Session Dates 2000

Summer Session: 8 December 1999 - 13 February 2000

Lectures Commence 8 December - 19 December
Christmas Recess 20 December - 2 January
Lectures Recommence 4 January - 6 February
Examinations 7 February - 13 February

Autumn Session: 21 February - 9 July 2000

Orientation Week 21 February - 27 February
Lectures Commence 28 February - 20 April
Easter Recess 21 April - 30 April
Lectures Recommence 1 May - 4 June
Study Recess 5 June - 11 June
Examinations 12 June - 25 June
Mid Year Recess 26 June - 9 July

Spring Session: 10 July - 5 December 2000

Lectures Commence 10 July - 8 September
Recess 9 September - 8 October
Lectures Recommence 9 October - 3 November
Study Recess 4 November - 12 November
Examinations 13 November - 24 November

Important Dates

- Last day for re-enrolments (WEB) 21 Jan
- Enrolment of new undergraduates 25 Jan - 31 Jan
- Last Day for late re-enrolments 18 Feb
- Last day for payment of compulsory enrolling and charges of re-enrolling students 25 Feb
- HECS Census Date 31 Mar (Autumn Session)
- International Student Audit Date 31 Aug (Spring Session)

Last Day to Withdraw (without academic penalty) from:

- Summer session subjects 7 Jan
- Autumn session subjects 21 Apr
- Spring session subjects 1 Sept
- Annual session subjects 21 July
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<td>Code B: double session subject offered in spring session and the following summer session.</td>
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**Note:** Separate withdrawal dates apply for The Business School subjects which do not operate in the standard sessions.
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 FEES**

In 2000 all students will be required to pay the following charges. For some full fee paying students these charges are included in the course fee:

**Entrance Charges at First Enrolment:**
- Wollongong UniCentre: $35
- Recreation & Aquatic Centre: $25
- Students' Representative Council: $6

**Annual Subscriptions**:  
- Wollongong UniCentre: $177.00
- Recreation & Aquatic Centre: $91.00
- Students' Representative Council: $41.00

* Plus GST (5% in 2000)

The annual subscription at other Centres is $41.00 (+GST)

**Exemptions**

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

i. Exemption from payment of fees for the Wollongong UniCentre will be granted to life members of the UniCentre and to permanent full-time and limited term staff of the University.

ii. Exemption from payment of fees for the Recreation and Sports Association will be granted to life members of the Recreation and Sports Association and to permanent, full-time and limited term staff of the University.

iii. Students who have paid fees for six or more years are eligible to apply for life membership of the UniCentre and/or the Recreation and Sports Association.

iv. Students enrolled at other Universities undertaking cross institutional study at University of Wollongong that are covered by exemption arrangements.

**CHARGES FOR OFF-CAMPUS STUDENTS**

Students studying for specified University of Wollongong courses which are offered in an off-campus mode shall be required to pay the Student Association 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

- Late payment of Student Body Fee $60
- Reinstatement charge (following termination of enrolment) $100
- Failure to re-enrol by the prescribed date $100
- Application fee to amend academic record (where a student error) $80
- Replacement Testamur $50
- Transcripts (2 copies) $20

Parking Charges (per annum)
- Guaranteed Places $483
- Category 1 Places (red zone) $161
- Category 2 Places (blue zone) $94
- Motorcycle parking $26
- Disabled parking No Charge

Note: Payment of charges subsequent to the second week of the relevant session will only be accepted with the express approval of the Vice-Principal (Administration) or the Academic Registrar.

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

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 Autumn session a refund of all charges paid will be made.

3. On notice of withdrawal, on or after the first day of autumn session and prior to the end of the fourth week of Autumn 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. If a student's initial enrolment in any year is made at the commencement of Spring session for Spring session only and the student gives notice of withdrawal prior to the end of the fourth week of Spring session, a full refund of compulsory service fees, other than entrance charges, will be made but thereafter no refund will be made.

5. Late charges are not refundable.

6. Payments towards the Higher Education Contribution Scheme (HECS) will only be refunded where a student withdraws prior to the appropriate census date.

7. International students are bound by the terms of the University policy on fee refunds for International Students (see below).

EXTENSION OF TIME

Extensions of time to pay compulsory service fees are not permitted

FAILURE TO PAY CHARGES

See section 5 under following chapter - Course Fees.

PAYMENT OF CHARGES

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

COURSE FEE POLICY

The University of Wollongong fees policy applies to both commencing and re-enrolling students.

1. COURSE FEES

1.1. 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.
1.2. 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.

1.3. Tuition fees must be paid each session before enrolment can be completed for that session.

1.4. 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 $80 per session) is due before enrolment can be completed for that session, with two instalments of 25% of the tuition fee due during the session. For International students an instalment plan may be available to re-enrolling 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 AND DEFERMENTS

2.1. Students who transfer from one course to another are liable to pay the fee prescribed for the new course for that year.

2.2. 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

3.1. 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.

3.2. A total refund will be made before the commencement of study when:

3.2.1. 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.)

3.2.2. 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.

3.2.3. 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.

3.2.4. The applicant is unable to obtain a visa from an Australian Diplomatic Post.

3.3. 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.

3.3.1. Partial refunds for applications received before the commencement of a session will be 80% of the tuition fee.

3.3.2. 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.

3.4. International students who withdraw from subjects prior to the international students' census date will have their tuition fee credited to the next session.

3.5. 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)

4.1. A total refund of fees will be payable if the student has

4.1.1. 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

4.1.2. Satisfied Section 41 of the Higher Education Funding Act 1988, that is, has completed a HECS Payment Options Form by the census date.

4.2. Permanent resident status is recognised from the date stamped on the student’s passport.

5. PENALTIES FOR NON PAYMENT AND REINSTATEMENT FEE

5.1. 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.

5.2. 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.

5.3. In order for an enrolment to be reinstated a student must pay all outstanding amounts, including late fees, plus a Reinstatement Fee of $100.
6. TRANSFER OF INTERNATIONAL STUDENTS TO OTHER INSTITUTIONS

6.1. 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

7.1. 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.

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 enrols.

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 2000’ booklet available from the Academic Registrar’s Division or phone Liz Cuthbert on (02) 4221 4601.
PREAMBLE - GENERAL RULES

001. Preliminary

(1) These Rules may be cited as the Course Rules.

(2) The General 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 an appropriate Part of the Rules.

(3) Rules for undergraduate courses are provided in:

- Part 1 Bachelor Degree Rules

(4) Rules for postgraduate courses are provided in:

- Part 2 Graduate Certificate Rules
- Part 3 Graduate Diploma Rules
- Part 4 Masters Degree Rules
- Part 5 Honours Masters Degree Rules
- Part 6 Doctoral Degree (by thesis) Rules
- Part 7 Doctoral Degree (by publication) Rules
- Part 8 Higher Doctoral Degree Rules

002. Commencement

These Rules became operative on 1 January 1998.

003. 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:

(i) 'Council' is the Council of the University of Wollongong;

(ii) 'approved' or 'approval' means approval by Council or under authority delegated by Council;

(iii) 'candidate' is a person registered for a course;

(iv) 'undergraduate' refers to candidates or courses for bachelor degrees;

(v) 'postgraduate' refers to candidates or courses for graduate certificates, graduate diplomas, masters degrees, honours masters degrees and doctoral degrees;

(vi) 'course' is the subject or combination of subjects which a candidate takes for a certificate or a diploma or a degree;

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

(viii) '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;

(ix) 'part time candidate' is a candidate who is not a full time candidate;

(x) 'external candidate' is a part time candidate registered for a course which has been approved for offer in an external mode;

(xi) 'program' is the combination of subjects in which a candidate is enrolled in any one session or year;

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

(xiii) 'schedule' refers to all subjects approved for inclusion in a course leading to an award;

(ix) 'session' is one of the three periods, autumn session, spring session, summer session, in which subjects are offered each year;
'year' or 'academic year' or 'annual' refers to the period comprising autumn session, the following spring session and the following summer session;

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

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

'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;

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

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

'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;

'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;

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

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

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

'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;

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

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

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

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

'800 and 900 level subjects' are subjects or research subjects at postgraduate level;

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

'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;

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

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

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

'major study' in a course for a bachelor degree, is an approved combination of subjects with a minimum value of 48 credit points offered by one or more academic units, and including 300 level subjects with a value of at least 24 credit points which must be completed satisfactorily at Pass grade or better;

'specialisation' refers to the subject matter which is studied in the major study of a 144 credit point course or as a major strand in other courses;

'advanced standing' is credit or exemption granted to a candidate;

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

'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;

'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;

'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

X L_ (xxxx) 'leave of absence' is a period of leave from the University for which prior approval has been obtained.

004. Admission and Registration Requirements

(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 004(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 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, excluded 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 Attachment A following these Rules.

(11) A candidate who changes registration from one type of candidature referred to in Rule 004(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 Attachment A following these Rules and for whom continuance of registration has not been approved shall not be permitted to register again for that course.

005. Enrolment Requirements

(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 may not enrol in the same, or substantially the same, subject more than twice.

(4) 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.

(5) 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:
   - (A) 48 credit points for the autumn session and the spring session combined;
   - (B) 24 credit points for autumn session;
   - (C) 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) (A) 52 credit points for the autumn session and the spring session combined;
     (B) 30 credit points for autumn session;
     (C) 30 credit points for spring session;
     (D) 14 credit points for summer session; or
   - (ii) a prescribed program for:
     (A) a year by more than 4 credit points;
     (B) autumn session by more than 6 credit points;
     (C) spring session by more than 6 credit points;
     (D) 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:
   - (A) 32 credit points for any autumn or spring session;
   - (B) 14 credit points for summer session;

(d) in any session of registration for a postgraduate course either:
   - has a value that exceeds:
     - (A) 54 credit points for the autumn session and the spring session combined;
     - (B) 30 credit points for autumn session;
     - (C) 30 credit points for spring session;
     - (D) 14 credit points for summer session; or
   - exceeds a prescribed program for:
     - (A) a year by more than 4 credit points;
     - (B) autumn session by more than 6 credit points;
     - (C) spring session by more than 6 credit points;
     - (D) summer session by more than 2 credit points;

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

(6) For the purposes of Rule 005(5), 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.
(7) 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.

(8) 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.

(9) A candidate who is refused continuation of registration, through suspension, exclusion or expulsion as prescribed in Attachment B following these Rules, may not enrol in any subject.

006. Course Structures and Schedules of Subjects

Subjects approved for courses referred to in Rule 001(3) and (4) are listed in the Faculty Schedules and relevant course structures for each degree.

007. Variation of Registration

(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 005 and 008.

(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 these Rules or for an honours bachelor degree may apply to change candidate 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, Rule 011(2)(b) will apply immediately upon change of registration should there be no provisions to the contrary.

008. Variation of Enrolment for 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 Rule 008 (3) 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 Rule 008(1) 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 Rule 008(1) 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 Rules 005(3) and 011(2) to (4) 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 005 and 008(6) and (7).

(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.

009. Requirements for Theses and Minor Theses

(1) A candidate enrolled for a research subject shall carry out work for the thesis or minor thesis under supervision as set out in Attachment C1 following these Rules.

(2) The requirements for research subjects are set out in Attachment C2 following these Rules.

(3) The requirements for preparation and submission of theses and minor theses are set out in Attachment C3 following these Rules.

(4) The examination of theses and minor theses shall be conducted according to the requirements set out in Attachment C4 following these Rules.

010. Assessment

(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 Attachment C4 and C5 following these Rules.

(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 Attachment D following these Rules, 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.

011. Minimum Rate of Progress

(1) A candidate may enrol in a program in accordance with provisions of Rule 005 provided that the rate of progress is at least the minimum specified by the relevant Rule 011(2), (3) or (4).

(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) A candidate whose rate of progress is less than the minimum specified in the relevant Rule 011(2), (3) or (4), may be refused registration subject to provisions set out in Attachment B following these Rules.

(b) Unless exceptional circumstances apply, a candidate whose rate of progress is less than that specified in Rule 011(4)(b) may not continue registration in that degree; a candidate not meeting this requirement may be permitted to register for a course under Part 5 of these Rules, subject to satisfying Rule 011(4)(a).

(6) A candidate who is subject to Rule 011(5) and is not refused registration may continue registration after consultation with an Academic Adviser to determine a suitable program.

012. Advanced Standing

(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 provided in Attachment E following these Rules.

(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.

013. Leave of Absence

(1) A candidate for one of the courses listed in Rule 102(a), 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.
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.

014. Conferral of Awards

(1) A course award may be conferred upon a candidate who has complied with relevant parts of these Rules, satisfied any requirement set out in Attachment F following these Rules 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 Rule 014(3), and excepting for those course awards set out in Attachment G following these Rules, 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.

015. Ownership of Work and 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 Attachment C3 following these Rules.

016. General Saving Clause

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

017. 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.

018. 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 018(1).

(3) An appeal shall conform with approved guidelines.

PART 1 - BACHELOR DEGREE RULES

101. Preliminary

Part 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 (clauses 001 to 018 above) and Attachments A, B, D1, E, E1, E2, F, G, and Z following these Rules.

102. Bachelor Degrees and the Abbreviations

Part 1 of these Rules controls undergraduate courses, including approved prescribed double degree courses listed in Rule 111, 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
103. Admission and Registration Requirements

(1) An applicant shall comply with relevant provisions of Rules 004 and 103(2) to (8).

(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 016 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**

A candidate shall comply with the relevant provisions of Rule 005, 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.
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. 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.

107. 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.

108. 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.

109. 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 and the Science 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.

(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 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 enrol for CSCI111 Computer Science 1A in Spring session.

110. 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 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 Physical Science;
Bachelor of Psychology; or
Bachelor of Teaching

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

111. 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 Education;
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;
Bachelor of Science - Bachelor of Arts;
Bachelor of Science - Bachelor of Commerce; or
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.

112. Course Requirements for Honours Bachelor Degrees in Arts, Commerce, Computer Science, Creative Arts, Mathematics, Nursing and 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; or
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.

113. Conferral of Awards

(1) Awards shall be conferred in accordance with the relevant provisions of Rules 014 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; or 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 Attachment H.

(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 Physical Science; or 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 Attachment D1(3) following these Rules, 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 Attachment D1(2) and (3) following these Rules.
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 and Attachments A, B, D1, D2, E3, F1, and Z, following these Rules.

202. Graduate Certificates and the Abbreviations

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

- Graduate Certificate in Adult Career Development: GCertCareerDev
- Graduate Certificate in Applied Economics: GCertApplEcon
- Graduate Certificate in Banking and Finance: GCertBankFin
- Graduate Certificate in Business Administration: GCertBA
- Graduate Certificate in Industrial Relations: GCertIR
- Graduate Certificate in Information Systems: GCertIS
- Graduate Certificate in Cognitive Neuroscience: GCertCogNeuro
- Graduate Certificate in Computer-based Learning: GCertCompBasedLearn
- Graduate Certificate in Educational Leadership: CCertEng
- Graduate Certificate in Engineering: GCertEng
- Graduate Certificate in Environmental Education: GCertEnvEd
- Graduate Certificate in Forest Conservation and Management: GCertForestCons&Mgmt
- Graduate Certificate in Gifted Education: GCertGiftedEd
- Graduate Certificate in Health Policy and Management: GCertHP&M
- Graduate Certificate in Higher Education: GCertHigherEd
- Graduate Certificate in History Education: GCertHistEd
- Graduate Certificate in Indigenous Health Studies: GCertIndHealth
- Graduate Certificate in Information & Communication Technology: GCertInfoTech
- Graduate Certificate in Literacy: GCertLit
- Graduate Certificate in Maintenance Management: GCertMaintMgmt
- Graduate Certificate in Management: GCertMgmt
- Graduate Certificate in Mental Health: GCertMigrDev
- Graduate Certificate in Multicultural Journalism: GCertMultiJour
- Graduate Certificate in Nursing: GCertNurs
- Graduate Certificate in Nutrition Management: CCertN
- Graduate Certificate in Outdoor Education: GCertPubHlthResMth
- Graduate Certificate in Public Health Research Methods: GCertSpecialEd
- Graduate Certificate in Social Change and Development: GCertSCD
- Graduate Certificate in TESOL: GCertTESOL
- Graduate Certificate in Textual Studies, Media and Linguistics: GCertTextStudMedLing
- Graduate Certificate in Quality Management: GCertQM

203. 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 and Attachments A, B, D1, D2, E3, F1, and Z, following these Rules.

302. Graduate Diplomas and the Abbreviations

Part 3 of these Rules controls postgraduate courses leading to the graduate diplomas:

- Graduate Diploma in Adult Education and Training (GDipAdultEd)
- Graduate Diploma in Arts (GDipArts)
- Graduate Diploma in Business Administration (GDipBA)
- Graduate Diploma in Commerce (GDipCom)
- Graduate Diploma in Education (GDipEd)
- Graduate Diploma in Engineering (GDipEng)
- Graduate Diploma in Indigenous Health Studies (GDiplndHealth)
- Graduate Diploma in Information Systems (GDipIS)
- Graduate Diploma in Law (GDipLaw)
- Graduate Diploma in Legal Practice (GDipLegPrac)
- Graduate Diploma in Materials Welding and Joining (GDipMWJ)
- Graduate Diploma in Maintenance Management (GDipMteceMgt)
- Graduate Diploma in Natural Resources Law (GDipNatResLaw)
- Graduate Diploma in Nursing (GDipNursing)
- Graduate Diploma in Public Health (GDipPH)
- Graduate Diploma in Science (GDipSc)
- Graduate Diploma in Statistics (GDipStat)
- Graduate Diploma in TESOL (GDipTESOL)
- Graduate Diploma in Total Quality Management (GDipTQM)

303. Admission and Registration Requirements

(1) A candidate shall comply with the relevant provisions of Rules 004 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.
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 and Attachments A, B, D1, D2, E3, F1, and Z, following these Rules.

402. Masters Degrees and the Abbreviations

Part 4 of these Rules controls postgraduate courses leading to the masters degrees:

- Master of Arts (MA)
- Master of Banking (MBank)
- Master of Business Administration (MBA)
- Master of Clinical Psychology (MClinPsyc)
- 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 (MEngPrac)
- Master of Engineering Studies (MEngStud)
- Master of Health Management (MHM)
- Master of Indigenous Health Studies (MIndHealth)
- Master of Information and Communication Technology (MInfoTech)
- Master of Information Systems (MIS)
- Master of Information Technology (MITM)
- Management
- Master of International Business (MIB)
- Master of Journalism (MJ)
- Master of Laws (LLM)
- Master of Laws International (LLLIntl)
- Master of Logistics and Operations Management (MLogOpMgmt)
- Master of Mathematics (MMath)
- Master of Natural Resources Law (MNatResLaw)
- Master of Nursing (MNursing)
- Master of Nutrition
- Master of Policy (MPol)
- Master of Public Health (MPH)
- Master of Quality Management (MQM)
- Master of Science (MSc)
- Master of Social Change and Development (MSCD)
- Master of Statistics (MStat)

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 work equivalent to a relevant major study, either as part of a completed bachelor degree or in addition to a completed bachelor degree, 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 014, 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.

PART 5 - HONOURS MASTERS DEGREE RULES

501. Preliminary

Part 5 of these Rules applies to candidates registered for an honours masters degree and is to be read in conjunction with relevant provisions of the General Rules (clauses 001 to 018 above), and Attachments A, B, C, D1, D2, E, and Z, following these Rules.

502. Honours Masters Degrees and the Abbreviations

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

<table>
<thead>
<tr>
<th>Honours Master of Arts</th>
<th>MA(Hons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honours Master of Arts (Journalism) by Research</td>
<td>MA(Hons)Jour</td>
</tr>
<tr>
<td>Honours Master of Commerce</td>
<td>MCom(Hons)</td>
</tr>
<tr>
<td>Honours Master of Court Management</td>
<td>MCourtMgmt(Hons)</td>
</tr>
<tr>
<td>Honours Master of Education</td>
<td>MEd(Hons)</td>
</tr>
<tr>
<td>Honours Master of Engineering</td>
<td>ME(Hons)</td>
</tr>
<tr>
<td>Honours Master of Environmental Science</td>
<td>MEnvSc(Hons)</td>
</tr>
<tr>
<td>Honours Master of Information &amp; Communication Technology</td>
<td>MInfoTech (Hons)</td>
</tr>
<tr>
<td>Honours Master of Information Systems</td>
<td>MIS(Hons)</td>
</tr>
<tr>
<td>Honours Master of Journalism</td>
<td>MJ(Hons)</td>
</tr>
<tr>
<td>Honours Master of Laws</td>
<td>LLM(Hons)</td>
</tr>
<tr>
<td>Honours Master of Natural Resources Law</td>
<td>MNatResLaw(Hons)</td>
</tr>
<tr>
<td>Honours Master of Nursing</td>
<td>MNursing (Hons)</td>
</tr>
<tr>
<td>Honours Master of Science</td>
<td>MSc(Hons)</td>
</tr>
<tr>
<td>Honours Master of Social Change and Development</td>
<td>MSCD(Hons)</td>
</tr>
<tr>
<td>Honours Master of Total Quality Management</td>
<td>MTQM(Hons)</td>
</tr>
</tbody>
</table>

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 014 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 (clauses 001 to 018 above) and Attachments A, B, C, and Z following these Rules.

602. Doctoral Degrees and the Abbreviations

Part 6 of these Rules controls 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 and Registration Requirements

(1) An applicant shall comply with the provisions of Rules 004 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 of Education or Doctor of Public Health 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 judgement 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 (clauses 001 to 018 above) and Attachments B, C, and Z following these Rules.

702. Doctoral Degree and the Abbreviation

Part 7 of these Rules controls 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:

(a) (i) 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, 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 Attachment C1 following these Rules.

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 Attachment C4 following these Rules.

(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 Attachment C5 following these Rules.
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 (clauses 001 to 018 above) and Attachments B, C, and Z following these Rules.

802. Higher Doctoral Degrees and the Abbreviations

Part 8 of these Rules controls postgraduate courses leading to the higher doctoral degrees:

<table>
<thead>
<tr>
<th>Degree of Laws</th>
<th>LLD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Degree of Letters</td>
<td>DLitt</td>
</tr>
<tr>
<td>Degree of Science</td>
<td>DSc</td>
</tr>
</tbody>
</table>

803. Requirements for Doctor of Laws, Doctor of Letters and 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. (i) 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 Attachment C4 following these Rules.

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 Attachment C5 following these Rules.

ATTACHMENTS REFERRED TO IN THE COURSE RULES

A. Time Limits for Course Completion

1. The minimum and maximum time limits for completion of courses listed in Attachment A(2) to (8) 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 these 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:

c) (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 Attachment A(8)(a) or (b).

B. Refusal of Registration

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

Any record of performance issued by this University in respect of a person refused registration as prescribed in Attachment B(l), shall include detail of such suspension, exclusion or expulsion.

C1. Supervision for Theses and Minor Theses

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 Attachment C1(1).

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.

C2. Requirements for Research Subjects

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 Attachment C3 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.

C3. Procedures Governing the Preparation and Submission of Theses

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
following examination of the thesis, in accordance with the recommendations in Attachment C4 (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 Attachment C3 (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;

(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 Attachment C3 (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.

(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;

(iii) underneath the degree, the year of submission of the thesis; and

(iv) evenly spaced between the degree and the top, reading upwards, the name of the author, initials of given name or names first followed by family name;

(c) no other lettering or decoration is permitted on the spine or elsewhere on the binding;

(d) shall be printed single or double sided on the paper.

(8) A thesis submitted for a higher degree shall be retained in the Library for record purposes, within copyright privileges of the author, and shall be public property and accessible for consultation at the discretion of the Librarian in accordance with Attachment C3 (9).

(9) To stipulate the wishes of a candidate for a higher degree regarding utilisation of the contents of the thesis, the candidate is required to complete a “Thesis Declaration” available from the Director, Office of Research:

(a) Form 1 to permit the University Librarian to retain a copy of the thesis for record purposes and grant public access to it; or

(b) Form 2 to allow the University Librarian to retain a copy of the thesis for record purposes and under certain conditions restrict access (see Attachment 10.3 in Codes of Practice).

(10) The abstract submitted with a doctoral thesis shall be listed on the University’s WWW home page.
C4. Examination of Theses

(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 Attachment C2 (5); and
(b) whether, in the opinion of the supervisor, the thesis is presented in a form that complies with the requirements of Attachment C3 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
(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.

C5. Procedures for Examination of Work Submitted for Doctor of Philosophy by Publication and Higher Doctoral Degrees.

(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.

D1. Grades of Performance for Undergraduate Subjects Listed in the Schedules and 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 Attachment D1(2)) 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>Satisfactory, or</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unsatisfactory Completion:</td>
<td>Unsatisfactory.</td>
</tr>
</tbody>
</table>

Such subjects will not be included in the determination of classes of honours as prescribed in Attachment D1(3).

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:

$$\text{weighted average mark} = \frac{\sum m c}{n}$$

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

<table>
<thead>
<tr>
<th>Class</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honours Class I</td>
<td>77.5 - 100%</td>
</tr>
<tr>
<td>Honours Class II Division 1</td>
<td>72.5 - 77.5%</td>
</tr>
<tr>
<td>Honours Class II Division 2</td>
<td>67.5 - 72.5%</td>
</tr>
<tr>
<td>Honours Class III</td>
<td>62.5 - 67.5%</td>
</tr>
</tbody>
</table>

(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,

and

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

<table>
<thead>
<tr>
<th>Class</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honours Class I</td>
<td>77.5 - 100%</td>
</tr>
<tr>
<td>Honours Class II Division 1</td>
<td>72.5 - 77.5%</td>
</tr>
<tr>
<td>Honours Class II Division 2</td>
<td>67.5 - 72.5%</td>
</tr>
</tbody>
</table>

(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

<table>
<thead>
<tr>
<th>Class</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honours Class I</td>
<td>77.5 - 100%</td>
</tr>
<tr>
<td>Honours Class II Division 1</td>
<td>72.5 - 77.5%</td>
</tr>
<tr>
<td>Honours Class II Division 2</td>
<td>67.5 - 72.5%</td>
</tr>
</tbody>
</table>

(iv) For the honours degrees of

Bachelor of Environmental Science, and
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:

<table>
<thead>
<tr>
<th>Average mark range ( \leq ) Project mark range ( \aleq )</th>
<th>WAM (&lt;67.5)</th>
<th>WAM (&lt;72.5)</th>
<th>WAM (&lt;77.5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>85 - 100 Pass degree</td>
<td>Hons II - 2</td>
<td>Hons II - 1</td>
<td>Hons I</td>
</tr>
<tr>
<td>75 - 84 Pass degree</td>
<td>Hons II - 2</td>
<td>Hons II - 1</td>
<td>Hons II - 1</td>
</tr>
<tr>
<td>65 - 74 Pass degree</td>
<td>Hons II - 2</td>
<td>Hons II - 2</td>
<td>Hons II - 2</td>
</tr>
<tr>
<td>45 - 64 Pass degree</td>
<td>Pass degree</td>
<td>Pass degree</td>
<td>Pass degree</td>
</tr>
<tr>
<td>44 No degree</td>
<td>No degree</td>
<td>No degree</td>
<td>No degree</td>
</tr>
</tbody>
</table>

(c) 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.

(d) 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).

(e) For subjects recorded as Discontinued Technical Fail, the mark used in the determination in (b) is 0.

(f) Honours may be awarded only for those 4 year prescribed courses which contain 300 and 400 level subjects having a total value of at least 60 credit points, including at least 24 credit points at the 400 level, and at least 36 credit points at the 300 level taken by the candidate at this University and including a 400 level thesis or project subject with value of at least 12 credit points, except for the degree of:
Bachelor of Laws
for which course the award of honours has no such requirements.

D2. Grades of Performance for Postgraduate Subjects Listed in the Schedules and 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 Attachment C.

E. Advanced Standing

(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) Unspecified credit may be converted to specified credit at any level on the recommendation of the Head.

(4) Qualifications completed more than ten years prior to application may attract up to the maximum advanced standing available as:

(a) specified credit or exemption on the recommendation of the Head;

(b) unspecified credit determined on the basis of the activities of the applicant subsequent to obtaining the qualification.

(5) Notwithstanding the provisions of the Rules or any part of Attachment E, advanced standing additional to the maximum prescribed may be approved for a specific course to be undertaken at this University.

E1. Advanced Standing towards Pass Bachelor Degrees

(1) Subject to restrictions imposed by Rules 105 to 110, the maximum advanced standing allowable:

(a) for a completed bachelor degree, is one half the credit point equivalent of the completed degree or one half the credit point value of the degree for which the applicant is a candidate, whichever is least;

(b) (i) for a completed sub-degree tertiary qualification approved under the AQF guidelines established during 1995 is as follows:

Diploma (or equivalent) -
48 credit points, comprising 42 credit points unspecified at 100 level and 6 credit points unspecified at 200 level;

Advanced Diploma (or equivalent) -
48 credit points, comprising 36 credit points unspecified at 100 level and 12 credit points unspecified at 200 level;

(ii) for a completed sub-degree tertiary qualification approved under the National guidelines established prior to 1995 and with New South Wales Higher School Certificate (or equivalent) entry, is as follows:

Associate Diploma (or equivalent) -
48 credit points, comprising 42 credit points unspecified at 100 level and 6 credit points unspecified at 200 level;

Diploma (or equivalent) -
48 credit points, comprising 36 credit points unspecified at 100 level and 12 credit points unspecified at 200 level;

(iii) for a completed sub-degree tertiary qualification with entry at standard lower than New South Wales Higher School Certificate (or equivalent), is determined by the minimum number of years of equivalent full time post School Certificate study required to attain the qualification as follows:

2 years - 24 credit points unspecified at 100 level;

3 years - 36 credit points unspecified at 100 level;

(c) for a completed approved certificate of general or psychiatric nurse education commenced in or subsequent to 1972, is 24 credit points unspecified at 100 level;

(d) for more than one completed tertiary qualification, shall be that advanced standing allowable for one only completed tertiary qualification;

(e) for an incomplete undergraduate bachelor degree, other than a degree of this University, is two thirds of the minimum number of credit points required for the degree for which the applicant is registered; and

(f) for an incomplete diploma or advanced diploma, is proportional to the fraction of the diploma or advanced diploma completed satisfactorily.

(2) No credit granted at 300 level shall comprise part of a major study, except for credit granted on the basis of subjects previously completed at this University and not then included as part of a major study.

(3) Except for the exclusion provided in Attachment E1(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.

E2. 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.

E3. Advanced Standing towards Postgraduate Courses
The maximum advanced standing allowable towards courses listed under Parts, 2, 3, 4, and 5 of these Rules is 25% of the total credit point requirement for that course, except as provided in (2) below.

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).

F. Other Requirements

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

F1. 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.

F2. 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.

G. List of Double Award Courses

The following awards of this University may be awarded more than once to a candidate who qualifies more than once for the award.

Bachelor of Engineering

H. Bachelor of Commerce with Merit

(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 2(a) to (i).

Z. Schedules and Course Structures

All subjects approved for inclusion in a course leading to an award are listed in one or more of the Schedules of subjects and/or the Course Structures.

A candidate is strongly urged to read the details of each subject in which that candidate is interested. In particular, when selecting a program a candidate needs to ensure compliance with any special requirements for subjects the candidate may wish to take subsequently.
Information relating to 'pre-requisites' or 'co-requisites' specifies the minimum requirements to be satisfied for enrolment in the various subjects. A candidate who believes there are grounds for requesting waiver of a pre-requisite or a co-requisite requirement because of appropriate subjects completed satisfactorily, should present a case for waiver to the Head.

ASSESSMENT AND EXAMINATION RULES

EXAMINATIONS

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 1 - 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;
   (d) “examination question paper” means a paper incorporating questions prepared by the examiner for an examination;
   (e) “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;
   (g) “examiner” means a person or persons with responsibility for the assessment work in any subject;
   (h) “subject” is a self-contained unit of study identified by a unique number in a schedule;
   (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 2(a) 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 these 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 8(a) 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 010 (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 and Procedures for the Conduct of Examinations

16. (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 Vice-Principal (Administration). This statement, together with any supporting evidence, will be considered by 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

   (b) 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.

SPECIAL CONSIDERATION AND SUPPLEMENTARY EXAMINATIONS

1. Background

   These guidelines set down the current policy in relation to:

   • the handling of requests for special consideration; and
1. 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; may apply for special consideration, including supplementary assessment.

Special consideration may lead to the University requiring the student to submit additional work, or to sit for a supplementary examination, or both.

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 attendances;

(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
the Departmental Assessment Committee; or

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 lengthening 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 ORAL, 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.

PASS TERMINATING
The award of the grade of Pass Terminating will prohibit a student progressing to the next subject in a sequence for which the subject in which the Pass Terminating is awarded is a pre-requisite. However, students are not prevented from repeating a subject for which a Pass Terminating has been awarded.

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.

AMENDMENTS TO ACADEMIC RECORDS, REASSESSMENT OF GRADES
There are three ways in which you may apply to have your academic record amended.

1. 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.

2. 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.

3. 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.

CODES OF PRACTICE

The University has Codes of Practice which govern the conduct of its members, both staff and students.

The current Codes are:

1. Research
2. Students
3. Supervision
4. Teaching and Assessment

CODE OF PRACTICE - RESEARCH

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.

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).

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.

CODE OF CONDUCT FOR THE RESPONSIBLE PRACTICE OF RESEARCH

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.

• 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.

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.

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.

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.

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.

To this end students of the University have the responsibilities to:

(i) become familiar with the rules governing the degree in which they are enrolled;
(ii) check their enrolment status at audit dates in each session, and inform themselves of deadlines for withdrawal/addition of subjects;
(iii) 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;
(iv) take the initiative and consult with appropriate academic staff when problems arise (see below Reviewing Assessment Marks and Grades and Late Submission of Work);
(v) maintain satisfactory academic progress as set out in the degree rules;
(vi) meet deadlines for work to be submitted as set out in the subject outline;
(vii) 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 plagiarising 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.

Responsibilities of Students

Students of the University have the following responsibilities:

(i) to become familiar with the rules governing the degree in which they are enrolled;

(ii) to become aware of the policies and practices of the Faculty or of the Academic Unit from which they take subjects - these are set out in the information sheet handed out by the end of the first week of lectures for every subject;

(iii) to take the initiative and consult with appropriate academic staff when problems arise;

(iv) to maintain satisfactory progress in their degrees - required rates of progress are set out in the degree rules;

(v) to meet deadlines for work to be submitted - these are set out in the information sheet handed out by the end of the first week of lectures for every subject;

(vi) to apply themselves to their studies to the best of their abilities;

(vii) to conduct themselves in an orderly and proper manner and not be disorderly in any class or in the Library or in any other place where such activity will adversely affect the working environment of others;

(viii) to attend all lectures, tutorials, seminars and practical work required for each subject in which they are enrolled; and

(ix) to submit original work for assessment, without plagiarising or cheating.

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.

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.

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.

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.

Reviewing Assessment Marks and 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.

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.

CODE OF PRACTICE - SUPERVISION

1. HIGHER DEGREES

The following broad definitions apply to Doctoral degrees and to Masters degrees by research. Most elements will be applicable to other degrees with a significant research thesis component; some aspects of monitoring also apply to postgraduate course-work degrees.

1.1 Definitions

The desirable end-point for research degrees is sometimes difficult to judge, especially for a student. The decision of when to stop and to commence writing, will be facilitated for students of the University of Wollongong by the following definitions since they make clear the expectations of the University for particular research degrees.

These definitions make clear that research may not be "finished" within the time specified for a candidature, but that what is done must be good: it is possible to envisage, for example, that a degree could be awarded to a student whose work was impeccable but whose ambitious attempt to map in detail the coastline of New South Wales got no further north than Wollongong in the allotted time.

1.1.1 Masters by research

These degrees generally have the objective of training candidates in research methodology appropriate to their field of study, and in the application of such methodology by conducting a specified program of research under appropriate supervision.

Examiners of a Masters thesis should satisfy themselves that the candidate: has a thorough understanding of the relevant techniques in the field demonstrated both by their application and a thorough review of the literature; has managed to demonstrate competence in the chosen field through judicious selection and application of methodology to yield fruitful results; and has the capacity to present well written work.

1.1.2 Doctor of Philosophy

This degree provides training and higher education with the objective of producing graduates with the capacity to conduct research independently at the highest level of originality and quality. Students ought to be capable, by the end of their candidatures, of conceiving, designing and carrying to completion a research program without supervision. The PhD is thus largely scholarly in nature and should uncover new knowledge either by the discovery of new facts, the formulation of theories or the revision of old ideas.

Examiners will expect a thesis to be well written and to reveal clearly an independence of thought and approach and a deep knowledge of the field of study.

2. RESPONSIBILITIES

Research training at a University involves the active participation of both staff and candidates. The responsibility to ensure that it is conducted in the most efficient and effective manner is shared by all parties: the University, its Academic units and staff, and the candidates, all have obligations to each other.

The University will provide each candidate with a copy of the relevant policies at enrolment, including: a copy of this document; the information to be given to the candidate by the Academic unit; the Rules governing the appropriate degree; the Library rules; and the policy relating to intellectual property, as it affects candidates.

2.1 Responsibilities of the University

The University has the responsibility of establishing a policy framework within which Academic unit-specific policies can be developed. The University is responsible for general policies related to:

2.1.1 clearly specified minimum entry standards which apply regardless of discipline, and which are set to ensure that enrolling candidates are likely to have the capacity to succeed given adequate commitment;

2.1.2 access to space and resources which, while varying between different parts of the University, should be made clear to candidates at the outset;

2.1.3 the status of intellectual property arising from the work of candidates as part of their studies;

2.1.4 annual reporting requirements;
2.1.5 procedures by which either the candidate or the supervisor may make representations as appropriate should significant difficulties arise (grievance procedures);

2.1.6 a procedure which, while permitting inexperienced staff to supervise candidates, makes clear a process by which assistance may be sought should it be required;

2.1.7 clear guidelines for examiners outlining, in particular, the University’s expectations for the particular degree

2.2 Responsibility of the Academic unit

It is the responsibility of the Academic unit to ensure that:

2.2.1 the candidate meets the minimum requirements set down by the University for admission to candidature;

2.2.2 the proposed research project is appropriate for the degree;

2.2.3 the unit is the appropriate one for the research to be undertaken;

2.2.4 the proposed supervisor is sufficiently expert in the area of research and has the time to be able to offer the candidate proper supervision;

2.2.5 proper supervision can be provided and maintained throughout the research period;

2.2.6 appropriate opportunities are provided, by way of seminars and the like, for candidates to develop their presentational skills as well as facilitate their integration into a cohesive group.

2.3 Responsibilities of the Supervisor

The supervisor has responsibilities which include:

2.3.1 advising the candidate how to make the most effective use of research time; this will involve discussing the nature of research with the candidate and the standard expected of candidates enrolled in particular degrees, the choice of the research topic, the planning of the research program, the literature and sources and techniques;

2.3.2 identifying any shortcomings in a candidate’s background and directing appropriate remedial studies when required;

2.3.3 maintaining close and regular contact with the candidate and establishing at the beginning the basis on which contact will be made; this will facilitate the supervisor’s role in advising candidates on the rate of their progress, and ensuring that a reasonable timetable is set to permit the degree to be completed in the time limits set by the Rules;

2.3.4 requiring written work from the candidate on a pre-arranged and agreed schedule so that the development of the candidate can be assessed at regular intervals;

2.3.5 monitoring carefully the performance of the candidate relative to the standard required for the degree and ensuring that the candidate is made aware of inadequate progress or of work below the standard generally expected; supervisors should help with developing solutions to problems as they are identified;

2.3.6 using the annual reporting procedures established by the University as the minimum means by which any difficulties and problems discussed with the candidate during the year are noted; and supervisors should indicate the action taken or the advice given. If the problem is not resolved, the Head of the Academic unit, in the first instance, should be involved; the Head and the Chairperson of the Faculty Research Committee should be notified in writing of continuing problems between reporting periods;

2.3.7 commenting on the content and the drafts of the thesis and, at the time of submission, certify that the thesis is properly presented, conforms to the Rules and is, prima facie, worthy of examination;

2.3.8 advising the University Research Committee, through the Head, of the names and credentials of suitable examiners.

2.4 Responsibilities of the Candidate

The responsibilities of the candidate include:

2.4.1 becoming familiar with the University’s Rules governing the degree;

2.4.2 discussing with the supervisor the type of help considered most useful and keeping to an agreed schedule of meetings which will ensure regular contact;

2.4.3 undertaking appropriate remedial work identified by the supervisor;

2.4.4 taking the initiative in raising problems or difficulties and sharing responsibility for seeking solutions;
2.4.5 maintaining the progress of the work in accordance with the stages agreed with the supervisor, including in particular the presentation of any required written material in sufficient time to allow for comments and discussions before proceeding to the next stage;

2.4.6 providing annually a formal report to the University Research Committee through the Head and the Chairperson of the Faculty Postgraduate Studies Committee;

2.4.7 accepting the responsibility for the final copies of the thesis including the content and ensuring that it is in accord with the requirements for the preparation and submission of theses, including the standard of presentation.

3. ADMISSION

The policy of the University is to direct the majority of research students to work with academic staff who are part of the Research Programs that have been established in recent years. The aim of these Programs is to provide an environment, and infrastructure, for staff and students working in broadly related areas of research to work together as a means of using the University’s resources most effectively.

While the basic criteria for admission to a higher degree is the possession a bachelor's degree achieved at a suitable standard in an appropriate discipline, other criteria will also be taken into account in assessing the eligibility of an applicant for admission. Such criteria include: the feasibility and appropriateness of the proposed course of study in the Academic unit; and the availability of supervision, adequate infrastructure and other resources. The University also places emphasis on investigating candidates' interests and background and their match with resources and available expertise in assessing applications for admission.

Since part-time candidates often have other obligations, the criteria for these candidates will also include: availability for study and for interaction with the supervisor; level of motivation; evidence of maturity; and capacity to cope.

4. SUPERVISION

In general, all 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 will be permitted sole supervision 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.

Care should be exercised in the appointment of supervisors to ensure that the supervisor(s) 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. Potential supervisor(s) of a candidate are required to advise the Head of the unit of any such relationship.

The supervisor(s) will be responsible to the Head for the supervision of candidates in their charge.

4.1 Leave

4.1.1 Supervisors should ensure that candidates 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.

4.2 Co-supervision

4.2.1 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 from the University or from another institution or from industry.

4.2.2 Any co-supervisor should be involved as soon as practicable in the development of the candidate's research plan and should maintain a level of communication with the candidate and the supervisor to allow adequate supervision whenever necessary.

4.2.3 Where a co-supervisor(s) is appointed, the respective roles of the co-supervisor(s) and the place of primary responsibility will be clearly identified; the principal supervisor carries the responsibility of co-ordinating communication between the supervisors and the candidate.

4.3 Advisory Committee

4.3.1 In some cases, eg where the topic is multi-disciplinary or staff inexperienced, an advisory committee could be formed to advise the candidate; again, the place of primary responsibility must be made clear.

5. THE TOPIC

It is anticipated that in most instance, the candidate and the supervisor will reach an agreement on a research/thesis topic prior to enrolment.

If it is not possible to define a topic prior to enrolment, it should be defined and submitted to the University Research Committee no later than the end of the first session of enrolment; after the topic has been approved, it may not be changed without further approval of the University Research Committee.

Minor changes to the topic may be made at the time of drafting the final version of the thesis to reflect accurately the research.
6. REPORTS

Written annual reports from the candidate and the supervisor are an important and formal means by which any problems concerning the candidature can be identified. They also serve to keep the appropriate committees of the University, the Faculty Research Committee and the University Research Committee, informed.

Each report must be a frank appraisal of the candidate's progress by both the supervisor and the candidate. The annual report is the means by which the University assesses whether the candidature will continue into the following year.

6.1 Procedure

6.1.1 Report forms will be circulated to candidates in September each year to allow time for the supervisor, the Head of the Academic unit and the Chairperson of the Faculty Research Committee to view and comment on the report prior to the re-enrolment period for the following year; the supervisor will, before completing the report, discuss with the candidate the comments made by the candidate in the report and the comments that will be made by the supervisor.

6.1.2 The Chairperson will recommend to the University Research Committee on whether the candidate should be permitted to continue candidature in the following year.

6.1.3 A copy of the report will be forwarded to the candidate by the Chairperson after the supervisor, the Head and the Chairperson have added their comments to the report.

7. GRIEVANCE PROCEDURES

Any problems encountered during the candidature or any disagreements between the candidate and the supervisor in relation to the annual reporting process or to other matters during the candidature that can not be easily resolved between the candidate and the supervisor are to be referred, by either the candidate or the supervisor, to the Head, in the first instance.

If, after this process, the candidate is not satisfied with the outcome, the candidate may refer the matter, in writing:

(i) to the Chairperson of the Faculty Research Committee, who may refer the matter to the full Committee for consideration; and then, if necessary,

(ii) to the Dean of the Faculty;

Where the candidate is still not satisfied with the outcome, the candidate should present a case, in writing, to the Chairperson of the University Research Committee. If necessary, the Chairperson will refer the matter to the University Research Committee for consideration and determination.

8. EXAMINATION

The examination of theses submitted for higher degrees is undertaken, in the case of Doctoral candidates, by at least two examiners who are external to the University. For Masters candidates, at least two examiners are used, no more than one of whom is an internal examiner; the supervisor can not be an examiner.

Because of the special nature of research degrees, where the candidates could have uniquely expert understanding of the field, they will also have a special relationship with their examiners. The candidates are not examined only on the basis of their understanding of a body of existing knowledge. They are examined by individuals who must judge their approach to research, their construction of hypotheses, their arguments and their analyses and who will be their peers if the degree is awarded. The selection of examiners is therefore of critical importance.

8.1 Selection

8.1.1 Steps should be taken to ensure that the examiners are free from bias, either against the candidate or the supervisor; this will normally be assessed by a general discussion of possible examiners with the candidate and the supervisor(s).

8.1.2 Examiners should normally be still active in research/scholarship in the relevant area thus ensuring that their knowledge of the field remains current;

8.1.3 They should have empathy with the theoretical framework used by the candidate;

8.1.4 They should be known to be familiar with the supervision/ examination of research theses.

8.1.5 They should be made familiar with the requirements of the University and the essential parts of the Rules governing the particular degree.

8.1.6 Names of possible examiners and their credentials to examine the particular thesis should be submitted by the Head (who will normally have taken steps to guard against bias, etc.) to the University Research Committee for appointment.

Following approval by the University Research Committee, formal invitations to examine the thesis will be issued by the Research Office. Examiners are normally allowed eight weeks to examine the thesis and provide a report to the University Research Committee. The reports from the examiners are considered by the University Research Committee, after receiving the comments of the Head on the reports. The University Research Committee determines the outcome of the examination.
In most cases, the names of the examiners and copies of the examiners reports are made available to the candidate after the University Research Committee has made its determination. In some instances, a particular examiner may exercise the options given to all examiners and ask not to be identified to the candidate and/or request that all or part of the report not be made available to the candidate; these requests are respected by the University.

9. APPEALS

As a result of the complex and special relationship with examiners of research degrees, the University has established a procedure which gives candidates, in certain circumstances, the right of appeal against the examination and evaluation of their candidature. Appeals are permitted on procedural grounds only: appeals by disgruntled candidates simply rejecting the assessment of the merit of their work are not permitted. Further, these procedures do not permit an appeal on grounds of complaint about the inadequacy of supervisory or other arrangements during the period of study; the grievance procedures outlined above should be used at the appropriate time during the candidature for these matters.

9.1 Grounds for Appeal

9.1.1 The only grounds permitted for an appeal against a decision not to award a postgraduate research degree or not to allow re-submission of a thesis for re-examination, 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 candidate’s performance of which the examiners were not aware;

(iii) documentable evidence of prejudice or of bias on the part of one or more of the examiners.

9.2 Procedures

9.2.1 The appeal must be made by the candidate to the Vice-Chancellor, in writing, within one month of the decision of the University Research Committee being made known to the candidate; the candidate must set out fully the grounds for the appeal and provide documentary evidence in support of the appeal.

9.2.2 On receipt of the appeal, the Vice-Chancellor will, in the first instance, refer the matter to the University Research Committee for advice on the circumstances of the case and, if appropriate, for re-consideration of its decision in the light of any information provided by the candidate that was not known to the University Research Committee at the time it made its original decision.

9.2.3 On receipt of the advice from the University Research Committee, the Vice-Chancellor will decide whether a case exists, prima facie.

9.2.4 If the Vice-Chancellor determines that a case does exist, the appeal, together with the advice received from the University Research 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 candidate, the examiners’ reports will not normally be placed before the Committee.

9.2.5 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 University Research Committee, through the Vice-Chancellor, with a direction that the thesis be re-examined.

9.2.6 The Vice-Chancellor will advise the candidate of the outcome of the appeal.

10. INTELLECTUAL PROPERTY

The University’s Policy on Intellectual Property sets out, inter alia, the University’s position in relation to intellectual property and ownership of work developed by candidates in the course of their candidatures. The policy is available from the Research Office.

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

The University of Wollongong is committed to equitable treatment of all students because:

1 Guidelines for Effective University Teaching, The University Teacher and Effective Teaching Practice, Australian Vice-Chancellor’s Committee, April 1993, Canberra, p.2.
all university teachers have a professional responsibility to teaching their subjects in such a way that all students, regardless of their background or characteristics, have an equal opportunity to learn and to demonstrate that learning, in accordance with the aims of the subject. Good teaching practices will vary in relation to context, discipline and the diversity of the student body.

It follows, therefore, that:

The University of Wollongong aims to ensure congruence between the subject objectives, the content and the assessment methods.

Students at the University of Wollongong will receive adequate and prompt feedback on their assessed work as set out in Statement of Good Practice-Feedback on Assessment (Appendix 1).

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:

1.2.1 academic staff are familiar with relevant University policies, including this Code;
1.2.2 academic staff provide subject and course documentation which comply with University policy and provisions of this Code;
1.2.3 assessment methods and practices comply with University policies and provisions of this Code;
1.2.4 academic staff carry out all assessment fairly, objectively and consistently across the candidature for the subject;
1.2.5 group activities are assessed by means which will allow the real contribution of each member of the group to be determined (Appendix 2);
1.2.6 academic staff are available to students for consultation;
1.2.7 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
1.2.8 academic staff abide by Occupational Health & Safety regulations while conducting classes.

1.3 Staff
Academic staff carry out their teaching responsibilities under the authority of the Head. Staff have the following responsibilities:-

1.3.1 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);

1.3.2 to assess students' work fairly, objectively and consistently and to provide adequate feedback on performance (Appendix 1);
1.3.3 to prepare and present subject material at an appropriate standard and within the resources available;
1.3.4 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;
1.3.5 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);
1.3.6 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;
1.3.7 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

2 ibid, p.2.
1.3.8 to make reasonable accommodation within the established teaching environment for students with a disability;

1.3.9 to notify the Head of the academic unit or Dean as appropriate, of potential or actual conflicts of interest;

1.3.10 to maintain the principles set out in the University of Wollongong Privacy Policy, chiefly the confidentiality of personal information including marks;

1.3.11 to attend meetings of the Assessment Committee to advise the Head on marks and grades;

1.3.12 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 enquiries about the subject; and

1.3.13 to exercise their responsibilities under the Occupational Health & Safety legislation and Discrimination legislation.

1.3.14 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:

1.4.1 comply with the requirements of assessment;

1.4.2 comply with the document ‘Acknowledgement Practice’ (Appendix 4);

1.4.3 submit for assessment their own individual and unassisted work, except as otherwise permitted; and

1.4.4 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:-

2.1.1 to judge performance, to grade students and to determine whether and how well a particular student has attained the stated learning objectives, and

2.1.2 to determine whether a particular student is sufficiently well-prepared in a subject area to proceed to the next level of instruction;

2.1.3 to provide feedback to students which indicates levels of attainment, and to indicate and diagnose misunderstandings and learning difficulties, and

2.1.4 to provide feedback to teaching staff to indicate areas in which students are experiencing difficulties, and to identify and diagnose ineffective teaching; and

2.1.5 to promote learning.

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3 Senate Resolution (93/47) 21 July 1993.

4 Guidelines for Effective University Teaching, The University Teacher and Effective Teaching Practice, Australian Vice-Chancellor’s Committee, April 1993, Canberra, p.3.
2.2 Good Practice in Assessment

2.2.1 Assessment should promote learning and improve student performance.

2.2.2 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.

2.2.3 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.

2.2.4 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.

2.2.5 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.

2.2.6 Assessment should be based on more than one piece of work and should require demonstration of achievement in a range of objectives.

2.2.7 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.

2.2.8 No component of assessment should count for more than 70% of final mark, except in subjects designated research project.

2.2.9 Assessment methods should provide reasonable accommodation for students with disability.

2.3 Administration of Assessment

2.3.1 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.

2.3.2 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.

2.3.3 Documentation of Assignment Receipt and 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

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5 Course Rule 010. Assessment, 1996 General Information Calendar, p.57.
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 PLAGARISM
APPENDIX 5 REVIEWING ASSESSMENT MARKS & GRADES
APPENDIX 6 EXAMINATION PROCESS

IF YOU WISH TO REFER TO THESE APPENDICIES PLEASE CONTACT THE DEAN OF STUDENTS OFFICE ON 4221 4355.

UNIVERSITY POLICIES

The University has a number of Policies to give guidance to staff and students.

Policies exist on the following issues:

1. Acknowledgment Practice
2. Assignments Submitted by Facsimile (see page 7 in the Student Information section of this calendar)
3. Authorship
4. Grievance Resolution Procedures
5. Health and Safety
6. Intellectual Property
7. Non-Discriminatory Language Practice and Presentation
8. Principles Under Which Subject Material May Be Sold to Students by Academic Units
9. Privacy
10. Respect for Cultural Diversity
11. Students and Staff Working Alone on University Property
12. Children on Campus Policy

and a copy of all Policies can be obtained from the Worldwide Web address http://www.uow.edu.au/about/teaching/ or from the Secretariat Office in the Administration Building or by phoning (02) 4221 3866.
MEMBER UNITS

Communication and Cultural Studies
English Studies
History and Politics
Modern Languages
Philosophy
Science and Technology Studies
Sociology

The Faculty of Arts offers postgraduate qualifications in the following areas:

Communication and Cultural Studies
English Studies
History
International Relations
Maritime Policy
Modern Languages
Philosophy
Politics
Post-Colonial Literatures
Science and Technology Studies
Social Policy
Sociology
Women's Studies (there will be no intake into this course in 2000)

CAPSTRANS - Students of the Faculty may also enrol in courses administered by the Centre for Asia-Pacific Transformation Studies (CAPSTRANS).

COMMUNICATION AND CULTURAL STUDIES

COURSES OFFERED
The following postgraduate courses are available:

- Doctor of Philosophy
- Honours Master of Arts by Research
- Honours Master of Arts (Cultural Studies)
- Master of Arts (Cultural Studies)

Note: No new enrolments in 2000 in the Master of Arts or Honours MA in Cultural Studies.

CCS will continue to offer subjects at Postgraduate level for:
- students currently enrolled in the MA (Cultural Studies) by coursework;
- students enrolled in Honours MA (Cultural Studies);
- students enrolled in other MA courses for which the CCS subjects are recommended.

CURRENT RESEARCH AREAS
The following areas of research are available to candidates for the degrees of Honours Master of Arts and Doctor of Philosophy.

- Aboriginal writing and culture
- Alternative and community theatre/drama
- American cinema history
- American studies
- Australian literary culture
- Australian screen studies
Canon formation and literary history  
Censorship  
Cinema studies  
Colonialism and Colonial cultures  
Communication studies  
Critical and Cultural theories  
Cross-cultural and inter-ethnic studies  
Cultural differences  
Cultural Policy Studies  
Decolonising theories  
Electronic cultures  
Fantasy and utopian writing  
Feminist critical theory  
Gender and genre  
Gender studies  
Globalisation  
Hypertexts and computer-produced multimedia  
Identity politics  
Indigenous film, television and theatre  
Law and media  
Law and Cultural Studies  
Media studies  
Multicultural critical studies  
New information technologies  
Popular culture  
Popular literature  
Pornography  
Post-colonial women's writing  
Publishing studies  
Race and ethnicity studies  
Radical, alternative and independent cinema  
Screen theory, practice and criticism  
Sexuality and representation  
Subjectivity and identity  
Television cultures  

**Doctor Of Philosophy**

**TIME LIMITS**
A full-time candidate shall complete the Doctoral Dissertation 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 Dissertation 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.

**Length of Dissertation**
The Doctoral Dissertation shall be a minimum of 80,000 words in length. 
Candidates for the PhD degree enrol in CCS999.

**Honours Master Of Arts By Research**

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 Masters Honours program.

**Qualification Requirements**
Students who do not have an Honours degree in an appropriate area may be admitted to the Masters Honours program by completing a 'Master of Arts (Preliminary)'.

**Master of Arts Preliminary**
Students enrolling in the Master of Arts (Preliminary) will normally be required to take six subjects chosen from the subjects on offer in CCS400 (Communication and Cultural Studies Honours) and Postgraduate coursework subjects. Students who do not have a background in critical and cultural theories should include CCS990 Critical and Cultural Theories in their programs.

**Time Limits**
A full-time candidate shall complete the Honours Masters Dissertation in not less than two consecutive sessions, not including Summer sessions, from the date of registration. A part-time candidate shall complete the Honours Masters Dissertation 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 Dissertation
The Honours Masters Dissertation shall be approximately 50,000 words in length. Candidates for the Master of Arts (Honours) degree enrol in CCS999.

Honours Master Of Arts In Cultural Studies

(Students please note: there will be no intake into this course in 2000)

The Masters courses in Cultural Studies (Master of Arts and Honours Master of Arts) involve interdisciplinary programs that bring together teaching and research from Communication and Cultural Studies, Sociology, English and Science and Technology Studies. They aim to provide graduates with knowledge and critical skills that will benefit them across a range of disciplines and professions. (Administered jointly by Communication and Cultural Studies and Sociology.)

The objectives of this program are to provide students with the appropriate analytical skills to enable them to:

comprehend and engage with the central critical and theoretical issues (both historical and contemporary) in the field of Cultural Studies;
stage critical readings of texts and cultural practices;
analyze the relations of power that structure culture and knowledge;
understand the critical re-evaluation of categories of value governing traditional hierarchies of knowledge structured by class, race, ethnicity, gender and sexuality;
appreciate the consequent reappraisal of minority cultures, the practices of everyday life and cultural artifacts traditionally placed outside the purview of scholarly study (for example, kitsch and cultural ephemera, shopping centres, graffiti, popular music, etc) as well as the more mainstream cultural formations.

The program also seeks to provide opportunities for applied cultural analysis in the above areas. Honours degree entry Honours graduates with a grade of at least Class II, Division 2 or its equivalent in an appropriate area (as assessed by a course panel) may enter this coursework MA with a notional accreditation of 48 credit points. Candidates will undertake each of the prescribed subjects and choose one of the Optional Subjects from the schedule above. (One year full-time, two years part-time.) Pass graduates or equivalent with a credit average or better may undertake a 96 credit point Honours MA coursework program. The initial 48 credit point part of the program will be considered a qualifying course, with subjects at the appropriate level being chosen from offerings in the CCS, English and Sociology programs in consultation with the course co-ordinator. The subsequent 48 credit points will be undertaken according to the rubric applying to the MA Honours course. (Two years full-time, three years part-time.)

Core:
CCS930
SOC990
CCS990
Critical and Cultural Theories
SOC947
Cultural Theory Electives:
CCS951
Regulating Culture: Policy, Language and Control
CCS966
Special Topic either Session 1 or 2
CCS975
Reading Cultural Differences
ENGL912
Representing India
SOC918
Advanced Sociology of Development
SOC921
Special Topic in Sociological Studies
SOC942
Advanced Race & Ethnic Studies
SOC946
Practical Communication and Communications Theory
SOC950
Advanced Studies of the Individual in Society
SOC959
Advanced Sociology of Gender Relations

# Subject to final approval.

Master Of Arts In Cultural Studies

Pass degree entry
Pass graduates or equivalent may undertake a 48 credit point Master of Arts course, choosing 6 subjects (which in normal circumstances will include the four prescribed subjects) from the following list, excluding the minor thesis. The degree will run over one year full-time or two years for part-time students.

Note: Students must check with the Head of each Program offering subjects as to their availability.
ENGLISH STUDIES

COURSES OFFERED
The following postgraduate courses are available:

Doctor of Philosophy
Honours Master of Arts by Research
Honours Master of Arts by Research (English Studies)
Honours Master of Arts by Coursework
Master of Arts by Coursework
Master of Arts by Coursework (English Studies)
Master of Arts Programs in Post-Colonial Literatures

CURRENT RESEARCH AREAS
The following areas of research are available to candidates for the degrees of Honours Master of Arts and Doctor of Philosophy. Alternative and community theatre/drama Aboriginal writing and culture African literatures and cultures Australian literature Australasian theatre Canadian literature and culture Caribbean literature and culture Cross cultural literature Early women writers Eighteenth-century literature and culture Electronic Cultures Electronic Texts and Electronic Publishing Elizabethan/Renaissance literature and culture Electronic Texts and Electronic Publishing Elizabethan/Renaissance literature and culture Fantasy Gender and genre studies The Gothic Identity Politics Indian writing in English Literature and cultural theory Middle English language and literature Modern European theatre Modern poetry and fiction Multicultural literatures New literatures in English (Commonwealth/Post-colonial literatures) New Zealand literature Nineteenth-century literature Nineteenth-century women's writing Nineteenth and twentieth century popular theatre Novel and film studies (adaptation theory) Pacific literature Popular literature Post-colonial literatures and theories Post-colonial women's writing 'Race' and ethnicity studies Sexuality and representation Shakespeare Text-to-performance studies in theatre Textual criticism and computer-generated editions Theories of the modern stage Victorian cultural studies Women's autobiography

Doctor Of Philosophy

TIME LIMITS
A full-time candidate shall complete the Doctoral thesis in not less than four consecutive sessions, not including Summer sessions and not more than eight 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 consecutive sessions, not including Summer sessions and not more than twelve consecutive sessions, not including Summer sessions, from the date of registration. Length of Thesis The Doctoral thesis shall be a minimum of 80,000 words in length. A PhD by thesis is available in any of the listed research areas, subject to staff availability. Students should enrol in the following subject:

ENGL999 Major thesis

Honours Master Of Arts By Research (English Studies)

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. Students who do not have an Honours degree in an appropriate area may be admitted to the Honours Master program by completing an 'Honours Master of Arts
(Preliminary). These students will normally be required to take six (6) subjects chosen from the subjects on offer in ENGL400 (English Honours) and postgraduate coursework subjects. Students who do not have a background in literary theory should consult with the Postgraduate Co-ordinator for advice on a suitable subject for inclusion in their program of study.

Time Limits
A full-time candidate shall complete the Honours Master thesis 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.

Students who are required to complete an Honours Master of Arts (Preliminary) will undertake two consecutive sessions of study if full-time, or four consecutive sessions if part-time, prior to commencing the Honours Master thesis.

Thesis Candidates for the Master of Arts (Honours) degree must complete a 50,000 word (48 cp) thesis (ENGL999) on a subject agreed on with a supervisor. This is a research only degree. Students holding an honours degree with Class II division ii honours or higher must enrol in the following subject.

ENGL999 Major thesis

Master Of Arts By Coursework (English Studies)

The field of English Studies has been revolutionised by a range of critical discourses - from post-colonial and post-structuralist to post-modernist and feminist theories - which have profoundly reshaped what it means to study in an English Program. The English Studies degree, therefore, has been designed to provide students with a rigorous understanding of these fundamental developments through a wide variety of subjects organized within a focused field of study. The degree provides a solid training in the discipline at an advanced level. Normal entry requires a pass degree with a major study in a relevant field. In special cases the Program Head may vary the entry requirements, if satisfied that an applicant's qualifications are adequate. The course will normally take two consecutive sessions (not including Summer session) for full-time students or four consecutive sessions (not including Summer session) for part-time students. Students must choose six subjects (48 credit points). Students may choose all six from the English Studies Program offerings (List i) or they may substitute up to two from approved subjects (List ii), offered outside the Program. English Program Subjects (List i)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>ENGL903</td>
<td>Post-colonial Literary Issues</td>
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<tr>
<td>ENGL906</td>
<td>Twentieth Century Post-colonial Poets</td>
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<tr>
<td>ENGL910</td>
<td>Twentieth Century Women Writers</td>
</tr>
<tr>
<td>ENGL912</td>
<td>Representing India</td>
</tr>
<tr>
<td>ENGL916</td>
<td>United States Literature of the 19th and Early 20th Centuries</td>
</tr>
<tr>
<td>ENGL918</td>
<td>Special Topic</td>
</tr>
<tr>
<td>ENGL921</td>
<td>Turning Points: Selected Post-colonial Fiction</td>
</tr>
<tr>
<td>ENGL922</td>
<td>Research Methods</td>
</tr>
<tr>
<td>ENGL923</td>
<td>Indigenous Literatures in Canada, New Zealand and Australia</td>
</tr>
<tr>
<td>ENGL929</td>
<td>Signs of the Times</td>
</tr>
<tr>
<td>ENGL930</td>
<td>History and Romance in Early Modern Britain</td>
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<tr>
<td>ENGL931</td>
<td>Contemporary Australian Drama</td>
</tr>
<tr>
<td>ENGL933</td>
<td>Early Women Writers</td>
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<tr>
<td>ENGL934</td>
<td>Africa and the New World</td>
</tr>
<tr>
<td>ENGL943</td>
<td>Decolonising Literatures</td>
</tr>
<tr>
<td>ENGL944</td>
<td>The Dominant Sound Other Approved Subjects</td>
</tr>
<tr>
<td>CCS951</td>
<td>Regulating Culture: Policy, Language &amp; Control</td>
</tr>
<tr>
<td>CCS975</td>
<td>Reading Cultural Differences</td>
</tr>
<tr>
<td>CCS977</td>
<td>Media Studies: Industries, Texts, Practices</td>
</tr>
<tr>
<td>CCS990</td>
<td>Critical and Cultural Theories</td>
</tr>
</tbody>
</table>

MASTER OF ARTS PROGRAMS IN 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 programs of study will consider those complex interactions of culture, politics and aesthetics common to the whole field and particular to each of its regions.
Honours Master Of Arts By Research (Post-Colonial Literatures)

(Post-colonial Literatures) BA (or equivalent) 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) dissertation (ENGL904) on a subject agreed on with a supervisor. The duration of the course will be two sessions (full-time) not including Summer Session, or four sessions for part-time students. NB: Students interested in Post-Colonial Literatures may undertake a research only program by enrolling in ENGL999 and completing an Honours Master of Arts. See the course requirements for Honours Master of Arts by Research (English Studies) for further details. Minor Thesis ENGL904 Dissertation (30,000 words) 32 cp Students must choose a further 2 subjects (16 credit points) from the list of Optional Subjects. Students interested in Post-Colonial Literatures may undertake a research only program by enrolling in ENGL999 and completing an Honours Master of Arts. See the course requirements for Honours Master of Arts by Research (English Studies) for further details. Optional Subjects:

ENGL903 Post-colonial Literary Issues
ENGL906 Twentieth Century Post-colonial Poets
ENGL910 Twentieth Century Women Writers
ENGL912 Representing India
ENGL916 United States Literature of the Nineteenth and Early Twentieth Centuries
ENGL918 Special Topic
ENGL921 Turning Points: Selected Post-colonial Fiction
ENGL922 Research Methods
ENGL923 Indigenous Literature in Canada, New Zealand and Australia
ENGL931 Contemporary Australian Drama
ENGL934 Africa and the New World
ENGL943 Decolonising Literatures
ENGL944 The Dominant Sound
HIST933 Culture and Politics in Indonesia, 1865-1988

Honours Master Of Arts By Coursework (Post-Colonial Literatures)

BA (or equivalent) Honours graduates with a grade of at least Class II, Division ii in an appropriate area will undertake a 48 credit point course. They will take three optional subjects (24 cp), and will complete a 20,000-word (24 cp) dissertation (ENGL902) on a topic agreed on with a supervisor. The duration of the course will be two sessions (full-time) not including Summer Session, or four sessions for part-time students. Minor Thesis ENGL902 Dissertation (20,000 words) 24 cp Students must choose a further 3 subjects (24 credit points) from the list of Optional Subjects. Optional Subjects:

ENGL903 Post-colonial Literary Issues
ENGL906 Twentieth Century Post-colonial Poets
ENGL910 Twentieth Century Women Writers
ENGL912 Representing India
ENGL916 United States Literature of the Nineteenth and Early Twentieth Centuries
ENGL918 Special Topic
ENGL921 Turning Points: Selected Post-colonial Fiction
ENGL922 Research Methods
ENGL923 Indigenous Literature in Canada, New Zealand and Australia
ENGL931 Contemporary Australian Drama
ENGL934 Africa and the New World
ENGL943 Decolonising Literatures
ENGL944 The Dominant Sound
HIST933 Culture and Politics in Indonesia, 1865-1988

Master Of Arts By Coursework (Post-Colonial Literatures)

(Post-colonial Literatures) Entry to the Master of Arts (Pass) by coursework will normally be from the BA or equivalent qualification. Students will undertake a 48 credit point Master of Arts course. They will take six optional subjects (48 cp) from the schedule above. There is no dissertation component in this course. The duration of the course will be two sessions (full-time) not including Summer Session, or four sessions for part-time students. Students must choose 6 subjects (48 credit points) from the list of Optional Subjects. Optional Subjects:

ENGL903 Post-colonial Literary Issues
ENGL906 Twentieth Century Post-colonial Poets
ENGL910 Twentieth Century Women Writers
ENGL912 Representing India
ENGL916 United States Literature of the Nineteenth and Early Twentieth Centuries
HISTORY

COURSES OFFERED
The following postgraduate courses are available:

Doctor of Philosophy
Honours Master of Arts
Master of Arts

CURRENT RESEARCH AREAS
Areas of research available to candidates undertaking the Honours Master of Arts degree by research and the Doctor of Philosophy degree include the following:
Australian history, with emphasis on labour, feminist, regional, military, social and political themes
Modern Southeast Asian history
19th and 20th century British social and political history, and relations with the USA
Historiography, including labour, Marxist and communist 20th Century Russian history
United States history
Military history
16th and 17th century Spanish and Portuguese history

Doctor Of Philosophy

The Doctoral Dissertation shall be not less than 80,000 words and not more than 100,000 words in length. For this degree, candidates enrol in the 48 credit point subject HIST973 Major Thesis.

Honours Master Of Arts In History

The Honours Master of Arts degree is offered either as a research degree, consisting of a major thesis, or as a research and coursework degree consisting of a minor thesis and coursework. The maximum length of a major thesis shall be 40,000 words and the minimum length of a minor thesis shall be 20,000 words. Students enrolling in the Honours Master of Arts by research will be BA Honours graduates with a grade of at least Class II, Division 2 or its equivalent in History, or those who have completed the MA coursework requirements at credit level or better. For this degree, candidates enrol in the 48 credit point subject HIST973. Those who enter the Honours Master with a BA (Hons) enter with a notional accreditation of 48 credit points. Those who have completed 48 credit points of a Pass Masters degree at credit level or better may proceed to an Honours Masters by coursework and minor thesis only. Their subsequent 48 credit points shall include 24 credit points of course work from the following lists (one of which shall be HIST951, Philosophy of History unless they have already undertaken HIST325, Theory and Method, at the undergraduate level) and the minor thesis, HIST975. In special cases the Program Head may vary the entry requirements, if satisfied that an applicant's qualifications have prepared him or her for advanced historical study.

Master Of Arts In History

Pass degree entry. Pass graduates or equivalent with a major in History may undertake a 48 credit point Master of Arts course, choosing subjects from the following list Number Subject Credit Points
INTERNATIONAL RELATIONS

COURSES OFFERED
The following postgraduate courses are available:

Doctor of Philosophy
Honours Master of Arts in International Relations
Master of Arts in International Relations

CURRENT RESEARCH AREAS
Research can be supervised in diverse aspects of International Relations, focussing primarily (but not exclusively) on the Asia-Pacific region.

Doctor Of Philosophy

Students who have qualified for admission to the degree of Doctor of Philosophy in International Relations should enrol in INTR970 Major Thesis. Minimum time for the Doctor of Philosophy is three years.

Honours Master Of Arts In International Relations

Students who have qualified for admission to the degree of Master of Arts with Honours in International Relations should enrol in INTR970 Major Thesis. Minimum time for the Master of Arts (Honours) is one year of fulltime study.

Master Of Arts In 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, focussing 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.

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 Subjects:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTR900</td>
<td>International Law and Diplomacy</td>
<td>8</td>
</tr>
<tr>
<td>INTR910</td>
<td>Politics of International Relations</td>
<td>8</td>
</tr>
<tr>
<td>INTR920</td>
<td>Advanced International Economic Relations</td>
<td>8</td>
</tr>
<tr>
<td>INTR930</td>
<td>Organisational behaviour</td>
<td>8</td>
</tr>
</tbody>
</table>

Elective Subjects:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTR901</td>
<td>Practical Diplomacy</td>
<td>8</td>
</tr>
<tr>
<td>INTR911</td>
<td>Politics in the South Pacific</td>
<td>8</td>
</tr>
<tr>
<td>INTR912</td>
<td>Pacific Rim and Pacific Basin</td>
<td>8</td>
</tr>
<tr>
<td>INTR921</td>
<td>Advanced International Economics</td>
<td>8</td>
</tr>
<tr>
<td>INTR922</td>
<td>Advanced Topics in Economics</td>
<td>8</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.

MARITIME POLICY

The postgraduate program in Maritime Policy is offered by the History and Politics Program. This program, the first of its kind in the Asia Pacific region, is intended to provide professionally relevant academic training for a variety of different policy analysts, including advisers in government, the private sector, and non-governmental organisations, in relation to a wide range of maritime issues.

Conducted in close co-operation with the Centre for Maritime Policy, the course is intended to provide opportunities for students of diverse professional and academic backgrounds to mix and exchange ideas relevant to policy making, analysis and implementation. Depending on each student's educational qualifications and work experience, students are required to complete at least 48 credit points in subjects, including the two core subjects, in the Maritime Policy schedule and other approved postgraduate subjects (or such greater number as may be required in individual cases).

COURSES OFFERED

The following postgraduate courses are available:

Doctor of Philosophy
Honours Master of Arts in Maritime Policy
Master of Arts in Maritime Policy

CURRENT RESEARCH AREAS

Research covers diverse aspects of maritime policy, focusing primarily, but not exclusively, on the Asia Pacific Region, and including national oceans policy, naval history, maritime regimes and regional maritime co-operation.

Doctor Of Philosophy

Students who have qualified for admission to the Doctor of Philosophy in Maritime Policy should enrol in MPOL970 Major Thesis in Maritime Policy. Minimum time for the Doctor of Philosophy is three years.

Honours Master Of Arts In Maritime Policy

Students who have qualified for admission to the Degree of Master of Arts with Honours in Maritime Policy should enrol in MPOL970 Major Thesis in Maritime Policy. Minimum time for the Master of Arts (Honours) is one year of fulltime study.

Master Of Arts In 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.

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.

In addition to formal course requirements, students take part in a variety of other professional activities, including specialist seminars.

Compulsory Core Subjects:
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.

MODERN LANGUAGES

The Modern Languages Program offers a range of postgraduate programs in French, Italian, Spanish and Japanese. The Program has a strong commitment to research.

COURSES OFFERED
The following postgraduate courses are available:

- Doctor of Philosophy
- Honours Master of Arts by Research
- Graduate Diploma in Arts (Japanese)
- Graduate Diploma in Arts (Modern Languages)

FACILITIES
The Program's teaching is supported by a computer laboratory, language laboratory and private study and by a range of audio-visual and multi-media equipment and materials. The Program has extensive collections of recorded audio and video materials in French, Italian, Spanish and Japanese.

CURRENT RESEARCH AREAS
The following areas of research are available to candidates undertaking the Honours Master of Arts degree by research and the Doctor of Philosophy degree:

- Occitania and French and European minorities
- Computer-aided language learning (French, Italian, Spanish, Japanese)
- Linguistics applied to the teaching of French, Italian, English and Japanese as a second language
- Intonation analysis
- Language teaching methodology and materials development at the secondary and tertiary levels
- Language contact involving immigrant languages
- Language, gender and ethnicity
- Language and social identity
- Applications of linguistics
- Language and education
- Language policy and planning in Australia
- Cross-cultural communication 2
- 0th Century Italian novel and society
- Private life in 13th and 14th century
- Italian novellistica
- Italo-Australian studies
- Italian lexicography
- Translation (English-Italian, Italian-English)
- Contrastive linguistics: English-Italian
- Systemic functional linguistics: Japanese
- Japanese language education
- Japanese theatre and literature
- Japanese economic and social issues
- English for Academic Purposes
- Language teaching methodology in Italian
- Theory and Practice of Translation
Doctor of Philosophy

Content and duration:
Students normally complete the course in a minimum of six sessions of full-time study (not including Summer Session) or part-time equivalent.

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.

Program of Study
The Doctoral Thesis must be a minimum of 80,000 words in length. The thesis will be on a topic to be decided by the student in consultation with a supervisor appointed by the Program.

Honours Master of Arts

Students entering the program with an Honours degree at a standard of at least Class II, Division 2 will be required to complete a major thesis.

FREN975  Major Thesis  48
or
ITAL975  Major Thesis  48
or
JAPA975  Major Thesis  48

Graduate Diploma in Arts (Japanese)

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. BA (Japanese) and BA/BCom (Japanese) graduates who qualify and are accepted for entry into the Graduate Diploma in Arts (Japanese) take the following subject:

JAPA550  Japanese Studies Abroad  48

This diploma is only available to graduates in Japanese studies from the University of Wollongong.

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 schedule under Languages. The remaining 20 credit points may be chosen from subjects listed under Modern Languages or other Programs in the Arts schedule.

These will be approved by the Head of Modern Languages Program.

PHILOSOPHY

COURSES OFFERED
The following postgraduate courses are available:

Doctor of Philosophy
Honours Master of Arts by Research
Master of Arts (Applied Ethics)
Graduate Diploma in Arts

CURRENT RESEARCH AREAS
The following areas of research are available to candidates undertaking the Honours Master of Arts degree by research and the Doctor of Philosophy degree:

Ethics
The theory of responsibility; moral absolutism; rights theory; virtues and vices; moral reasoning; consequentialism; autonomy; issues in moral psychology, eg weakness and strength of will, moral motivation; metaethics, eg truth, relativism and objectivity in ethics.
Applied Ethics Bioethics, including feminist bioethics; legal ethics; ethics in public policy; environmental ethics. Philosophy of Law Legal and political obligation; natural law theory; issues of criminal liability and responsibility. Political Philosophy Liberalism; theories of property; citizenship; privacy issues; consent theory; self-determination; theories of justice; issues in feminist political theory. Theory of Knowledge Knowledge and theories of justification; theories of perception; self-knowledge and first-person authority. Metaphysics Personal identity theory; identity; realism and irrealism; primary and secondary qualities; Kantian and neo-Kantian metaphysics. Philosophy of Language Theories of content, interpretation and communication; theories of truth; speech-act theory; theories of vagueness and ambiguity. Logic Logics of indeterminacy and indefiniteness; deviant logics. Philosophy of Mind and Action Theories of the mind; theories of intention and agency; accounts of motivation; issues in philosophical psychology, eg self-deception, propositional attitudes and akrasia, irrationality and the divided mind. Philosophy of Emotion The nature and epistemology of emotions; reason and passion; emotions and morality.

Doctor Of Philosophy

For this degree, candidates enrol in the subject PHIL999 Major Thesis.

Honours Master Of Arts By Research

The purpose of the Honours Master of Arts by research is to enable suitably qualified graduates to make a significant independent contribution to Philosophy. Graduates who hold an Honours Bachelor degree (with a minimum of Honours Class II, Division 2) or equivalent may, if recommended for candidature, undertake PHIL999 Major Thesis (48 credit points). All other candidates must, if recommended for admission, normally complete PHIL913 Advanced Philosophical Topics (48 credit points) with an average grade of distinction or better prior to enrolling in PHIL999.

Master Of Arts Applied Ethics

The Master of Arts (Applied Ethics) 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 recognize the factual and evaluative complexity of the issues, to recognize 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 (PHIL955 - 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.

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. 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 PHIL206, or equivalent, are required to take one core subject PHIL955 and two electives. Candidates who have done the undergraduate subject PHIL251/301, or equivalent, are required to take one core subject PHIL935 and two electives.
Graduate Diploma In Arts

The purpose of the Graduate Diploma in Arts is to provide, in a recognised University course, a means for graduates with limited acquaintance with logic and philosophy to acquire competence in these subjects at a reasonably advanced level. The Graduate Diploma shall be subject to the University 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 General or the Arts Schedules under 'Philosophy'. Of these 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 courses and the program of study shall be approved by the Head of the Program. 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.

Admission to candidature for the Graduate Diploma is on the recommendation of the Head of the Philosophy Program who shall assess the applicant's aptitude for sustained philosophical study at a reasonably advanced level.

POLITICS

COURSSES OFFERED

The following postgraduate courses are available:

Doctor of Philosophy
Honours Master of Arts by Research
Master of Arts

CURRENT RESEARCH AREAS

Areas in which research can be supervised in 2000 include aspects of the following:

Australian politics, including public policy and foreign relations
Comparative politics International relations Politics of development/underdevelopment
Politics in state socialist societies
South Pacific politics
United States politics
Political theory
Mass media
Urban politics
Australian political thought

Doctor Of Philosophy
Candidates for this degree enrol in POL951 Major Thesis.

Honours Master Of Arts
Candidates for this degree enrol in POL951 Major Thesis.

Master Of Arts In Politics

The Master of Arts program is intended to enable graduates with suitable grounding in Politics and/or related disciplines (such as History, Philosophy, Sociology, Law, Economics) to undertake advanced studies in Politics, either for its own sake or as a relevant background to careers in social science teaching, public administration, journalism, and public affairs in government and the private sector.
Intending applicants should consult the Professor of Politics before enrolling in order to ascertain their eligibility as well as the subjects on offer each year. Course requirements are a minimum of 48 credit points of Politics subjects. Teaching will emphasise small-group discussions, flexibility and independence.

POL902  Advanced Topics in Australian Politics  8
POL903  Issues in Australian Public Policy  8
POL914  Power and the Modern State  8
POL922  Advanced International Relations  8
POL931  From Revolution to Reform in CIS, Eastern and Central Europe  8
POL932  Contemporary Chinese Politics  8
POL941  Government and Politics in the South Pacific Islands Region  8
POL984  Power and the Modern State: Advanced Topics  8

**SCIENCE, TECHNOLOGY AND SOCIETY**

**COURSES OFFERED**
The following postgraduate courses are available:

- Doctor of Philosophy
- Honours Master of Arts by Research
- Graduate Diploma in Arts

**CURRENT RESEARCH AREAS**
The following areas of research are available to candidates in the Honours Master of Arts degree (Research) and the Doctor of Philosophy programs. Some other areas can be accommodated under consultation with the Postgraduate Coordinator Sharon Beder.

- Environmental politics/economics/issues; engineering issues; scientific, environmental and technological controversies; corporate activism/public relations.
- Brian Martin: dissent; whistleblowing; nonviolence; roots of war; information issues; free speech; social action; social movement strategy; democracy; politics of technology; scientific controversies; politics of expertise.
- David Mercer: scientific controversies; science and law; history of science; sociology of scientific knowledge; science and technology policy; information technology.
- Glenn Mitchell: health and medicine; environmental issues.
- Rhonda Roberts: cross cultural studies; political economy of global technological change; science and technology policy; health and medicine.
- Stewart Russell: energy issues; political economy and sociology of technological change; science and technology policy; technology transfer; hazards, accidents and risk.

**Doctor Of Philosophy**

**CONTENT AND DURATION**
Candidates normally complete the course in three years of full-time study or part-time equivalent. Entry Requirements An Honours Bachelor degree in Arts (normally at Class II Division I, or higher), or an Honours Master of Arts with a strong performance in the minor or major thesis, or equivalent. Program of Study A Doctoral Thesis. Candidates for this degree enrol in STS924 Major Thesis.

**Honours Master Of Arts By Research**

**ENTRY REQUIREMENTS**
Entry to the degree is normally from the BA Honours. Students having a degree with at least Class II Division ii will be considered for the Masters Honours program. Content and Duration The course normally takes a minimum of one year of full-time study, or two years for part-time students. Program of Study Candidates for the degree enrol in the subject: STS924 Major Thesis (48 credit points).
Graduate Diploma In Arts

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. 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 Arts Schedule 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 Schedule 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 Head of Program; a full-time candidate shall normally complete the graduate diploma in one academic year, a part-time candidate in no less than two and no more than three academic years; admission to candidature for the Graduate Diploma is on the recommendation of the Head of the Science, Technology and Society Program.

SOCIOMETRY

COURSES OFFERED
The following postgraduate courses are available.

Doctor of Philosophy
Honours Master of Arts (Research)
Master of Arts (Coursework)
Master of Policy (Social Policy)
Graduate Diploma in Arts

CURRENT RESEARCH AREAS
The overall approach of Wollongong Sociology centres on the analysis and understanding of the social, political and cultural consequences of people's changing conditions of life. Critical and theoretical analysis underlie the Program's research and scholarship which concentrates on issues of multiculturalism, migration, Asian societies, indigenous people, gender, culture, crime and justice, power, social class, globalisation, communications, social change, social policy and the media.

Members of the Program are active in a number of Research Centres and Groups in the Faculty within the Institute of Social Change and Critical Inquiry. These structures enhance the Program's research activities as well as strengthening the development of our teaching in both undergraduate and postgraduate areas.

Doctor Of Philosophy
A student may enrol for a PhD in Sociology on successfully completing a BA(Hons) in Sociology or a congruent discipline at Class II, Division I or higher, on successfully completing an MA(Hons) in Sociology, or with approval of the Head of Program, after completing, at a high level, the Master of Arts Degree in Sociology. Normally, three years of full-time research is required to complete a PhD in Sociology. Part-time enrolment is available.

Honours Master Of Arts In Sociology By Research
This degree is available to graduates with an Honours or Masters degree in Sociology. Normally one year full-time research is required to complete an MA (Hons) in Sociology. Usually, this involves students successfully completing SOC910 while undertaking a supervised research project to be presented in a thesis of approximately 30,000 words to be completed before the end of their second session. Candidates enrol in SOC999. The course is available part time but must be completed in no fewer than three and no more than six sessions.

Master Of Arts In Sociology By Coursework
The purpose of the Master of Arts is to allow graduates to pursue studies of society, culture and knowledge within frameworks provided by sociological theory. Students are required to choose Sociology subjects worth a total of 48 credit points from the subjects listed below, with the following qualifications:

Students who have completed a major in Sociology at the undergraduate level shall not include in their program subjects which are substantially similar to those already completed;
Students shall discuss their overall program with the Head of Program or postgraduate co-ordinator prior to enrolment, at which time the most appropriate program will be decided;

Not all subjects will be offered in any one year or session;

The Master of Arts 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**

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<th>Code</th>
<th>Title</th>
<th>Credit</th>
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<tbody>
<tr>
<td>SOC933</td>
<td>Research Techniques</td>
<td>8</td>
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Plus five of the following:

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credit</th>
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<tbody>
<tr>
<td>SOC904</td>
<td>An Introduction to Policy and Program Evaluation</td>
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<tr>
<td>SOC908</td>
<td>Social Policy and Cultural Identity in a Multicultural Society</td>
<td>8</td>
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<tr>
<td>SOC918</td>
<td>Advanced Sociology of Development</td>
<td>8</td>
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<tr>
<td>SOC921</td>
<td>Special Topic in Sociological Studies</td>
<td>8</td>
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<tr>
<td>SOC924</td>
<td>Advanced Studies in Time, Work &amp; Leisure</td>
<td>8</td>
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<tr>
<td>SOC940</td>
<td>Contemporary Social Policy Theory and Practice</td>
<td>8</td>
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<tr>
<td>SOC942</td>
<td>Advanced Race and Ethnic Studies</td>
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<tr>
<td>SOC943</td>
<td>Advanced Urban Society</td>
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<tr>
<td>SOC946</td>
<td>Practical Communication and Communication Theory</td>
<td>8</td>
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<tr>
<td>SOC947</td>
<td>Cultural Theory</td>
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</tr>
<tr>
<td>SOC949</td>
<td>Advanced Social Regulation: Policies and Issues</td>
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<tr>
<td>SOC950</td>
<td>Advanced Studies of the Individual in Society</td>
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<tr>
<td>SOC959</td>
<td>Advanced Sociology of Gender Relations</td>
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<tr>
<td>SOC962</td>
<td>Nationalism and Minorities in the Asia-Pacific Region</td>
<td>8</td>
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<tr>
<td>SOC970</td>
<td>Advanced Social Movements</td>
<td>8</td>
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**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.

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**

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<tr>
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<tbody>
<tr>
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<td>An Introduction to Policy and Program Evaluation</td>
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<tr>
<td>SOC933</td>
<td>Research Techniques</td>
<td>8</td>
</tr>
<tr>
<td>SOC940</td>
<td>Contemporary Social Policy Theory and Practice</td>
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</tr>
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**Electives:** at least three of the following:

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<thead>
<tr>
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<tbody>
<tr>
<td>SOC905</td>
<td>Social Policy Research Project</td>
<td>8</td>
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<tr>
<td>SOC908</td>
<td>Social Policy and Cultural Identity in a Multicultural Society</td>
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<tr>
<td>SOC943</td>
<td>Advanced Urban Society</td>
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<td>SOC949</td>
<td>Advanced Social Regulation, Policies and Issues</td>
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<td>SOC959</td>
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<td>SOC970</td>
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<td>8</td>
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<tr>
<td>LAW960</td>
<td>Law for Professionals</td>
<td>8</td>
</tr>
</tbody>
</table>

**Graduate Diploma In Arts**
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. 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 Arts Schedule under 'Sociology'. Of these, 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;
- 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;
- admission to candidature for the Graduate Diploma is on recommendation of the Head of the Sociology Program who shall assess the applicant's aptitude for sustained sociological study at a reasonably advanced level.

WOMEN'S STUDIES

(Note: there will be no intake into this course in 2000)

Master Of Arts In Women's Studies

The Master of Arts in Women's Studies is both interdisciplinary and multidisciplinary. The structure of the degree is built on the disciplinary base of the students' undergraduate degrees. All students are expected to complete work for this award in more than one discipline. The common core provides an introduction to the concepts and debates that constitute Women's Studies as an academic field.

Following a successful completion of the MA (Women's Studies), students with appropriate academic backgrounds may be accepted as candidates for research degrees in one of the Programs of the Faculty of Arts which offer subjects in this degree.

Pass degree entry

Pass graduates or equivalent may undertake a 48 credit point Master of Arts course, (which in normal circumstances will include the two prescribed subjects). (Students shall undertake any additional work required by Programs or Faculties as a prerequisite for subjects included in the Schedule of Graduate Subjects.

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 Arts (Women's Studies) prior to enrolment.

The Master of Arts (Women's Studies) shall be available as a part-time and a 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>Subject Code</th>
<th>Subject Title</th>
<th>Credit Points</th>
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<tbody>
<tr>
<td>WMST901</td>
<td>Feminist Issues and Debates</td>
<td>8</td>
</tr>
<tr>
<td>WMST902</td>
<td>Feminist Theory</td>
<td>8</td>
</tr>
<tr>
<td>CCS951</td>
<td>Regulating Culture: Policy, Language &amp; Control</td>
<td>8</td>
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<tr>
<td>EDGA923</td>
<td>Sport, Culture and Education</td>
<td>8</td>
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<tr>
<td>EDGW901</td>
<td>Gender and Citizenship</td>
<td>8</td>
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<tr>
<td>ENGL910</td>
<td>Twentieth Century Women Writers</td>
<td>8</td>
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<tr>
<td>ENGL929</td>
<td>Signs of the Times: Victorian Literature and Culture</td>
<td>8</td>
</tr>
<tr>
<td>ENGL933</td>
<td>Early Women Writers</td>
<td>8</td>
</tr>
<tr>
<td>HIST913</td>
<td>The Making of the Modern Australian Woman</td>
<td>12</td>
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<tr>
<td>PHIL965</td>
<td>Bioethics</td>
<td>8</td>
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<tr>
<td>PHIL990</td>
<td>Contemporary Political Philosophy</td>
<td>8</td>
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<tr>
<td>SOC906</td>
<td>Sexuality, Health Issues and Social Policy</td>
<td>8</td>
</tr>
<tr>
<td>SOC942</td>
<td>Advanced Race and Ethnic Studies</td>
<td>8</td>
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<td>SOC949</td>
<td>Social Regulation: Policies and Issues</td>
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<td>SOC959</td>
<td>Advanced Sociology of Gender Relations</td>
<td>8</td>
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<tr>
<td>STS910</td>
<td>Gender and Body Politics</td>
<td>8</td>
</tr>
<tr>
<td>STS934</td>
<td>Genetics and Technological Innovation</td>
<td>12</td>
</tr>
<tr>
<td>STS936</td>
<td>Critical Studies in Medicine and Health Care</td>
<td>12</td>
</tr>
<tr>
<td>WMST903</td>
<td>Advanced Topics in Women's Studies</td>
<td>8</td>
</tr>
</tbody>
</table>
Please note: Not all subjects will be available each year. Please refer to the relevant Program and the Co-ordinator of Women's Studies before enrolling.

CENTRE FOR ASIA PACIFIC SOCIAL TRANSFORMATION STUDIES

CAPSTRANS is a Key Centre of teaching and research funded by the Australian Research Council and is a joint venture by the Universities of Wollongong and Newcastle, Australia. CAPSTRANS is made up of a team of around 35 researchers from the Faculties of Arts and Commerce at both host Universities.

CAPSTRANS has four research programs:

Migration and Multicultural Societies
Labour Relations, Regulation and Organisation
Human Resource Development
Managing the Production and Diffusion of Knowledge

CAPSTRANS plays a significant 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.

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.

CAPSTRANS COURSES OFFERED

Doctor of Philosophy
Honours Master of Social Change and Development by Research (48 credit point thesis)
Master of Social Change and Development (48 credit point by coursework)
Graduate Certificate in Social Change and Development (24 credit point by coursework)

All degrees are 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 courses combine theoretical perspectives with empirical studies, and policy-oriented perspectives.

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.

SUBJECTS OFFERED

Masters of Social Change and Development students will complete eight subjects -

Four core subjects:
Social Change and Development
Issues in Developing Economies
Social Program Evaluation & Planning
Social Science Research Methods

One of four specialisation subjects linked to our research programs:

Migration and Multicultural Societies
Labour Relations, Regulation and Organisation
Human Resources in Developing Countries
Managing the Production and Diffusion of Knowledge

Three electives from a wide range of special-interest subjects from both Universities.
COMMUNICATION AND CULTURAL STUDIES

CCS 966 Special Topic
Autumn/Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Assignments to be negotiated with Subject Co-ordinator in the first week of session. Contact Hours: 3hrs seminar pw
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.

CCS 975 Reading Cultural Differences
Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: seminar paper 30%, major essay 50%, oral presentation and participation 20%
Contact Hours: 3hrs S
Subject Description: This subject introduces students to the study of how cultural differences, race and ethnicity inform debates around postcolonialism, multiculturalism and identity politics. It examines the impact of theoretical, critical and minority cultural practices on questions of reading differences in Australian cultural and discursive formations. Major topics to be studied include the reception of texts by minority groups eg migrant hip hop; theories of ethnic spectatorship; nationalism, arts policy and the politics of indigenous writing.

CCS 990 Critical and Cultural Theories
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: major essay 50%, seminar paper 25%, textual analysis exercise 25%
Contact Hours: 3hrs S
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.

ENGL STUDIES

ENGL902 Dissertation
Annual Wollongong On Campus 24cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Supr Consultation
Subject Description: This subject provides an introduction to a range of contemporary critical and cultural theories which question fundamental assumptions about culture, knowledge and relations of power. This subject will examine how poststructuralist, decolonising and feminist theories have brought into focus questions concerning culturally situated modes of discourse and the production of embodied subjectivities, identities and knowledges. The assessment work is designed to establish connections between theories, methodologies and the student's own research work.

ENGL904 Dissertation
Annual Wollongong On Campus 32cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: SUPR MEETING
Subject Description: This subject involves the writing of a dissertation of 20,000 words on a research topic to be determined in consultation with the supervisor.

ENGL903 Post-Colonial Literary Issues
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 3HR SEMINAR
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.

ENGL906 Twentieth Century Post-colonial Poets
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions:
colonial 'tradition'.

between colonial experience and literary form and technique, and
corpus of post-colonial studies. It examines the interaction
nations and fiction that has become seminal in creating the literary
colonial writing in English, especially 'first' novels from emerging

Subject Description:

Contact Hours:

Assessment:

ENGL910 Twentieth Century Women Writers
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment:
Contact Hours: 1hr L; 2hr Seminar
Subject Description: This subject deals with the work of six modern women writers: Virginia Woolf, Katherine Mansfield, Sylvia Plath, Dorothy Hewett, Alice Walker and Jamaica Kincaid. Of particular concern are the cultural processes which so often lead to the mythologising of a woman writer's life, and the way this life/myth interacts with interpretations of that writer's work.
Additional Information: Co-ordinators: Dr Anne Collett

ENGL912 Representing India
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment:
Contact Hours: 3HR SEMINAR
Subject Description: A survey of the various kinds of texts concerned with representing India (travel writing, ethnography, colonial fiction, etc); analysis of the interaction of language and culture, literary conventions, modes of textual production, socio-cultural perceptions and critical reactions; theorising on constructions of culture as essence and interchange.
Additional Information: Co-Ordinator: Dr Paul Sharrad

ENGL918 Special Topic
Autumn/Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment:
Contact Hours: 3hr Seminar
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 English and approved by the Head of Program.
Additional Information: On offer either Autumn or Spring session - refer Head of Program

ENGL921 Turning Points: Selected Post-Colonial Fiction
Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites:
Exclusions: ENGL363 Restrictions:
Assessment:
Contact Hours: 3hr Seminar
Subject Description: A survey of major fiction texts of post-colonial writing in English, especially 'first' novels from emerging nations and fiction that has become seminal in creating the literary corpus of post-colonial studies. It examines the interaction between colonial experience and literary form and technique, and critical responses surveyed for various constructions of a post-colonial 'tradition'.
Additional Information: Co-ordinator: Dr Paul Sharrad

ENGL929 Signs of the Times: Victorian Literature and Culture
To be advised Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment:
Contact Hours: 2hr seminar
Subject Description: What were the 'signs of the times' in Britain when Victoria ascended the throne in 1837? Through a range of texts and ways of reading we will investigate the phenomenon of Victorianism. With case studies focussing on forms of political discourse, Victorian visual culture, and women's writing, this subject will examine nineteenth-century English culture and society.

ENGL931 Contemporary Australian Drama
To be advised Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment:
Contact Hours: 3HR SEMINAR
Subject Description: An examination of the theatrical, literary and social developments in Australian drama from 1970. Texts will include (when available) first and second drafts, manuscripts in pre-production preparation, rehearsal texts and published plays. New texts may be drawn from scripts workshopped at the annual National Playwrights' Conference or from dramaturgical departments allied with the State Theatre Companies.

ENGL933 Early Women Writers
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment:
Contact Hours: 3HR SEMINAR
Subject Description: This subject looks at the work of women writers from the mid-fifteenth century to the early eighteenth century. The texts represent different types of writing: fiction, poetry, diaries, letters and autobiographical writings. The subject will examine the establishment of the female writing self within the appropriate cultural structure and historical context, and the engagement of that self with the social and literary conventions of the time.
Additional Information: Subject co-ordinator: Dr Anne Lear

ENGL943 Studies in Decolonising Literatures
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites:
Exclusions: In 2000, not to count with ENGL358. May count with ENGL336 and ENGL354.
Restrictions:
Assessment:
Contact Hours: One 2-hr seminar
Subject Description: This subject examines literatures which have grown out of Pacific, South-east Asian and African colonies of the former British Empire. In 2000 the focus will be on Pacific literatures. The subject considers how issues of nationalism, language, race, gender and cultural identity shape critical and creative practices and examines issues of minority writings within the nation and the implication of regional/national literatures in global systems.
Additional Information: Co-Ordinator: Dr Paul Sharrad

ENGL944 The Dominant Sound
Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Tutorial presentation (15%); 2,000 word assignment (35%); 3,000 word assignment (50%)
HIST904 Themes in Australian History
Autumn/Spring Wollongong On Campus 12cp
Pre-requisites: Exclusions: Restrictions:
Assessment: 2 essays, 1 research paper
Contact Hours: 1 hour per week
Subject Description: Examines the major forces determining the position of women in twentieth-century Australia. Topics include the domestic ideology, the demographic transition of the late nineteenth century, structural change in the economy, widening educational opportunities and the growth of tertiary sector employment for women. A major focus is the interaction of ethnicity, class and gender in constructing the diverse social category of womanhood.

HIST913 The Making of the Modern Australian Woman
Autumn Wollongong On Campus 12cp
Pre-requisites: Exclusions: Restrictions:
Assessment: 9,000 words in essays/tutorial papers
Contact Hours: 3 hours per week
Subject Description: Examines the major forces determining the position of women in twentieth-century Australia. Topics include the domestic ideology, the demographic transition of the late nineteenth century, structural change in the economy, widening educational opportunities and the growth of tertiary sector employment for women. A major focus is the interaction of ethnicity, class and gender in constructing the diverse social category of womanhood.

HIST933 Culture History and Politics in SE Asia: Indonesia & Other Case Stud
Autumn/Spring Wollongong On Campus 12cp
Pre-requisites: Exclusions: Restrictions:
Assessment: 9,000 words in essays and tutorial/papers.
Contact Hours: 3 hrs per week
Subject Description: Examines the politics of identity in Southeast Asia using a number of case studies, particularly from Indonesia. 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, the importance of Islam, and relationships between military rule and democracy.

HIST942 Themes in European History
Autumn/Spring Wollongong On Campus 12cp
Pre-requisites: Exclusions: Restrictions:
Assessment: Essay, research exercise and literature review.
Contact Hours: Min 1 hr per week
Subject Description: 

HIST943 Themes in United States History
Autumn/Spring Wollongong On Campus 12cp
Pre-requisites: Exclusions: Restrictions:
Assessment: Essay, research exercise, literature review
Contact Hours: Min 1 hour per week
Subject Description: Identifies the dominant forces at work in the United States since the Second World War. It is designed to enable students to examine these major themes in the recent history of the United States. Enrolment, selection of appropriate areas of specialisation and readings are subject to approval by the Head of Program.

HIST944 Southwest Asia's Economic Transformations
Autumn/Spring Wollongong On Campus 12cp
Pre-requisites: Exclusions: Restrictions:
Assessment: Essay, research exercise, literature review
Contact Hours: Min 1 hour per week
Subject Description: Examines the major features affecting the modern economic transformation of Southeast Asia, particularly Vietnam. Issues studied include the social economic changes wrought by colonialism, the impact of World War Two, post-war political upheavals and their effect on the societies and economies, international involvement in the region, and the booms of recent decades.

HIST951 Philosophy of History
Spring Wollongong On Campus 12cp
Pre-requisites: Exclusions: Restrictions:
Assessment: 9,000 words in essays/tutorials
Contact Hours: 2 hr seminar per wk
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?

HIST973 Major Thesis
Annual Wollongong On Campus 48cp
Pre-requisites: Exclusions: Restrictions:
Assessment: Contact Hours:
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.

HIST975 MA (Hon) Minor Thesis
Annual Wollongong On Campus 24cp

INTERNATIONAL RELATIONS

INTR900 International Law and Diplomacy
Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Class participation, research essay, examination. Contact Hours: 3 hrs per week
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 agreement; 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.

INTR901 Practical Diplomacy
Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: 7,500 words in essays and class papers Contact Hours: 3 hrs per week
Subject Description: Case-studies, simulations, workshops and interactions with practitioners. Study and use of diplomatic instruments. Negotiation and dispute resolution.

INTR910 Politics of International Relations
Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: 7,500 words of essays and tutorial papers. Contact Hours: 3 hours per week
Subject Description: Approaches to and methods of study, theories and concepts of international relations: idealist, legal, institutional, realist, Marxist, Neo-Marxist, globalist, feminist, systems, regimes, etc. The role of international law and diplomacy. Foreign policy making and implementation. Political order, multi-dimensional security, international order and the balance of power, both international and regional. The United Nations and other international organisations, including peacekeeping. Issues, blocs, and the politics of international economic, environmental and functional co-operation, including foreign aid.

INTR911 Politics in the South Pacific
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: 7,500 words of essays and tutorial papers. Contact Hours: 3 hours per week
Subject Description: Politics in and among South Pacific island countries. Regional and sub-regional co-operation. Relations with external actors, including governments, international organisations non-governmental organisations and multi-national corporations. Vulnerability and multi-dimensional security. The politics of race, ethnic and class relations. Class work and assignments provide occasions for detailed examination of particular case studies.

INTR912 Pacific Rim and Pacific Basin
Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: 7,500 words of essays and tutorial papers. Contact Hours: 3 hrs per week
Subject Description: The subject analyses aspects of relations between advanced, industrialising and less developed countries on the Pacific Rim and in the Pacific Basin. Particular attention is paid to relations, including co-operation, involving countries in Southeast Asia and the South Pacific. The subject addresses significant issues in defence, aid, trade, investment and other kinds of international inter-actions. Particular attention is paid to nuclear and environmental issues; security and vulnerability; colonialism and self-determination as well as Asia-Pacific and other forms of international economic co-operation.

INTR920 Advanced International Economic Relations B
Spring Dubai, Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.
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

INTR921 Advanced International Economics
Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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. Tariffs;
5. Foreign Exchange Market;
6. Internal and External Balance (the two-gap model).

INTR922 Advanced Topics in Economics
Autumn/Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 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.

INTR940 Case Study in International Politics A
Autumn Wollongong On Campus 8cp
Pre-requisites: Exclusions: Restrictions: Assessment: 7,500 words of research papers. Contact Hours: Min 1 hour per week 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. Enrolment requires the Co-ordinator's approval, and may be determined by the availability of suitably qualified staff.

INTR941 Case Study in International Politics B
Spring Wollongong On Campus 8cp
Pre-requisites: Exclusions: Restrictions: Assessment: 7,500 words of research papers. Contact Hours: Min 1 hour per week 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. Enrolment requires the Co-ordinator's approval, and may be determined by the availability of suitably qualified staff.

INTR950 Australia: Making of a Nation
Spring Wollongong On Campus 8cp
Pre-requisites: Exclusions: Restrictions: Assessment: 7,500 words of essays/seminar papers. Contact Hours: 3 hours per week Subject Description: This subject provides a detailed examination of twentieth century Australia, in the light of notions of dependency and autonomy, in order to assess the extent to which nationhood has been achieved. The subject begins with an analysis of concepts of the nation, nationalism, the state and cultural identity central to the Australian settlement. Economic processes, key industries and relations with the international economy are analysed. Issues discussed include the distinctive features of modern Australian political institutions, internal and external policies, cultural traditions, and social, racial and class differences.

INTR957 Post-War Economic and Social Development of East Asia
Autumn/Spring Wollongong On Campus 8cp
Pre-requisites: Exclusions: Restrictions: Assessment: 7,500 words in essays/seminar papers. Contact Hours: 3 hours per week Subject Description: This subject traces economic and social development in East Asia 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.

INTR958 Selected Topics on Post-War Developments in Southeast Asia
Spring Wollongong On Campus 8cp
Pre-requisites: Exclusions: Restrictions: Assessment: 7,500 words in essays/seminar papers. Contact Hours: 3 hours per week Subject Description: The subject examines the politics of identity in Southeast Asia using a number of case studies, particularly from Indonesia. 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, the importance of Islam and relationships between military rule and democracy.

INTR960 Research Project in International Relations
Autumn/Spring/Summer Wollongong On Campus 16cp
Pre-requisites: Exclusions: Restrictions: Assessment: 15,000 words research project Contact Hours: 1 hour per week 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.

INTR961 Research Project in International Relations
Annual Wollongong On Campus 16cp
Pre-requisites: Exclusions: Restrictions: Assessment: 15,000 words research project Contact Hours: 1 hour per week 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.

INTR970 Major Thesis in International Relations
Annual Wollongong On Campus 48cp
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: Exclusions: Restrictions: Assessment: Thesis only, following satisfactory completion of such pre-requisites as may be required. Contact Hours: Min 1 hour/2 weeks 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.

### MARITIME POLICY

<table>
<thead>
<tr>
<th>Code</th>
<th>Subject Description</th>
<th>Contact Hours</th>
<th>Pre-requisites</th>
<th>Co-requisites</th>
<th>Restrictions</th>
<th>Assessment</th>
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</thead>
<tbody>
<tr>
<td>MPOL901</td>
<td>National Dimensions of Maritime Policy</td>
<td>3 hours per week</td>
<td>Autumn Wollongong On Campus 8ep</td>
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<tr>
<td>MPOL902</td>
<td>International Issues in Maritime Policy</td>
<td>3 hours per week</td>
<td>Spring Wollongong On Campus 8ep</td>
<td></td>
<td></td>
<td>7,500 words in essays and seminar papers</td>
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<tr>
<td>MPOL903</td>
<td>Maritime Transport I: International Shipping</td>
<td>3 hours per week</td>
<td>Autumn Wollongong Modular 8ep</td>
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<td>7,500 words in essays and tutorial papers</td>
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<tr>
<td>MPOL911</td>
<td>Maritime Transport II: Port Development</td>
<td>3 hours per week</td>
<td>Spring Wollongong On Campus 8ep</td>
<td></td>
<td></td>
<td>7,500 words in essays and tutorial papers</td>
</tr>
<tr>
<td>MPOL932</td>
<td>The Law of the Sea</td>
<td>3 hours per week</td>
<td>Spring Wollongong Flexible Delivery 8ep</td>
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</tbody>
</table>

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.

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 controls 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 Description: This 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 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 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.

### Contact Hours:

- Autumn/Wollongong On Campus: 8 hours per week
- Spring/Wollongong Modular: 8 hours per week
- Spring/Wollongong Flexible Delivery: 8 hours per week
**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; enage 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.

**MPOL941 History and Politics of Sea Power**  
*Autumn* Wollongong On Campus  
*Autumn* Wollongong Modular  
Pre-requisites: Co-requisites: Exclusions: Restrictions:  
Assessment: 7,500 words in essays and seminar papers.  
Contact Hours:  
**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.

**MPOL951 Selected Topics in Maritime Policy (1)**  
*Autumn* Wollongong On Campus  
*Autumn* Wollongong Modular  
Pre-requisites: Co-requisites: Exclusions: Restrictions:  
Assessment: 7,500 words in essays and seminar papers.  
Contact Hours: 3 hours per week  
**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.

**MPOL952 Selected Topics in Maritime Policy (2)**  
*Spring* Wollongong On Campus  
*Spring* Wollongong Modular  
Pre-requisites: Co-requisites: Exclusions: Restrictions:  
Assessment: 7,500 words in essays and seminar papers.  
Contact Hours:  
**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).)

**MPOL960 Research Project in Maritime Policy**

### MODERN LANGUAGES

**FREN975 Major Thesis**  
*Annual* Wollongong On Campus  
Pre-requisites: Co-requisites: Exclusions: Restrictions:  
Assessment: 15,000 words research project  
Contact Hours:  
**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.  
**Additional Information:** Not to count with MPOL961.

**MPOL961 Research Project in Maritime Policy**  
*Annual* Wollongong On Campus  
Pre-requisites: Honours at a minimum level of II(ii) 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: Exclusions: Restrictions:  
Assessment: 15,000 words research project  
Contact Hours:  
**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 suitable sources and suitably qualified staff.  
**Additional Information:** Not to count with MPOL960.

**MPOL970 Major Thesis in Maritime Policy**  
*Annual* Wollongong On Campus  
48cp  
Pre-requisites: Honours at a minimum level of II(ii) 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: Exclusions: Restrictions:  
Assessment: Thesis only, following such pre-requisites as may be required.  
Contact Hours: 1 hour/2weeks  
**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 interdisciplinary. Students will be required to attend and present work-in-progress papers to a regular postgraduate seminar series.

**JAPA975 Major Thesis**  
*Annual* Wollongong On Campus  
48cp  
Pre-requisites: Co-requisites: Exclusions: Restrictions:  
Assessment:  
Contact Hours:  
**Subject Description:**
**PHILO903 Major Thesis**  
**Annual**  
**Wollongong On Campus**  
**48cp**  
**Pre-requisites:** Co-requisites:  
**Subject Description:**  
**Contact Hours:**  
**Assessment:**  
**Restrictions:**

**PHILO913 Advanced Philosophical Topics 913**  
**Annual**  
**Wollongong On Campus**  
**48cp**  
**Pre-requisites:** Entry is restricted to students seeking admission to the Honours Masters degree who do 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:**  
**Exclusions:**  
**Restrictions:**  
**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.  
**Contact Hours:**  
**Assessment:** Essays and written examinations  
**Restrictions:**

**PHILO923 Minor Thesis**  
**Annual**  
**Wollongong On Campus**  
**24cp**  
**Pre-requisites:** Co-requisites:  
**Exclusions:**  
**Restrictions:**  
**Assessment:** Major research assignment, seminar participation and 2 papers.  
**Contact Hours:** 3 hrs per week  
**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: Discrimination and Affirmative Action; Abortion; Sexual Issues; Warfare; Suicide and Death.  
**Contact Hours:**  
**Assessment:**  
**Restrictions:**

**PHILO935 Applied Ethics**  
**Autumn**  
**Wollongong On Campus**  
**8cp**  
**Pre-requisites:** Bachelor degree (pass of honours) in any field, or equivalent. Not to count with PHILO206.  
**Co-requisites:**  
**Exclusions:**  
**Restrictions:**  
**Assessment:** Major research assignment, seminar participation and 2 papers.  
**Contact Hours:** 3 hrs per week  
**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.  
**Contact Hours:**  
**Assessment:**  
**Restrictions:**

**PHILO955 Theoretical Ethics**  
**Spring**  
**Wollongong On Campus**  
**8cp**  
**Pre-requisites:** Bachelor or equivalent. Not to count with PHILO251 or PHILO301  
**Co-requisites:**  
**Exclusions:**  
**Restrictions:**  
**Assessment:** Major research assignment, seminar participation and 2 papers.  
**Contact Hours:** 3 hrs  
**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.  
**Contact Hours:**  
**Assessment:**  
**Restrictions:**

**PHILO965 Bioethics**  
**Spring**  
**Wollongong On Campus**  
**8cp**  
**Pre-requisites:** Bachelor degree or equivalent  
**Co-requisites:**  
**Exclusions:**  
**Restrictions:**  
**Assessment:** Major research assignment, seminars  
**Contact Hours:** 3hr lect/disc per wk

**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.  
**Contact Hours:**  
**Assessment:**  
**Restrictions:**

**PHILO976 Ethical Issues in Research**  
**Autumn**  
**Wollongong On Campus**  
**8cp**  
**Pre-requisites:** Bachelor degree (pass or honours) in any field, or equivalent  
**Co-requisites:**  
**Exclusions:**  
**Restrictions:**  
**Assessment:** Research project, 2 seminars  
**Contact Hours:** 3hr seminars per wk  
**Subject Description:** Examines areas of ethical concern in different kinds 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.  
**Contact Hours:**  
**Assessment:**  
**Restrictions:**

**PHILO986 Applied Ethics Topic**  
**Autumn**  
**Wollongong On Campus**  
**8cp**  
**Pre-requisites:** Bachelor degree or equivalent.  
**Co-requisites:**  
**Exclusions:**  
**Restrictions:**  
**Assessment:** Essays/seminars equivalent to 5,500 words.  
**Contact Hours:** 3 hrs per week  
**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.  
**Contact Hours:**  
**Assessment:**  
**Restrictions:**

**PHILO990 Contemporary Political Philosophy**  
**Autumn**  
**Wollongong On Campus**  
**8cp**  
**Pre-requisites:** Bachelor degree or equivalent  
**Co-requisites:**  
**Exclusions:**  
**Restrictions:**  
**Assessment:** Essays equivalent to 5,500 words; seminar  
**Contact Hours:** 3 hrs lect/sem pr wk  
**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.  
**Contact Hours:**  
**Assessment:**  
**Restrictions:**

**PHILO995 Environmental Ethics**  
**Spring**  
**Wollongong On Campus**  
**8cp**  
**Pre-requisites:** Bachelor degree or equivalent. Not to count with PHILO256  
**Co-requisites:**  
**Exclusions:**  
**Restrictions:**  
**Assessment:** Major research assignment, seminar participation and 2 papers.  
**Contact Hours:** 3 hrs per week
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.

### POLITICS

<table>
<thead>
<tr>
<th>Subject Code</th>
<th>Subject Title</th>
<th>Credit Points</th>
<th>Pre-requirements</th>
<th>Co-requisites</th>
<th>Exclusions</th>
<th>Restrictions</th>
<th>Assessment</th>
<th>Contact Hours</th>
<th>Subject Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POL 902</td>
<td>Advanced Topics in Australian Politics</td>
<td>12cp</td>
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<td></td>
<td>3 hours per week</td>
<td>Provides opportunities for detailed study at an advanced level of significant issues, institutions and processes affecting politics in Australia. The focus is on public policy and on the exploration of significant theoretical questions. Systematic comparisons are made with other advanced industrial countries. Students are helped and encouraged to undertake small-scale research projects of their own.</td>
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<tr>
<td>POL 903</td>
<td>Issues in Australian Public Policy</td>
<td>12cp</td>
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<td>4 hours per week</td>
<td>Examines, at an advanced level, the policy options for Australian Governments in the 1990s in the light of contemporary policy debates: the Industrial Relations reform, equal opportunities, tariff policy, privatisation, reducing the size of the government sector, deregulation and environmentally sustainable growth. Focuses on Government - industry relations and the options for politically achievable macro and micro reform. Consideration will be given to the limitations created by the structure of the international political system.</td>
</tr>
<tr>
<td>POL 914</td>
<td>Power and the Modern State</td>
<td>12cp</td>
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<td>3 hours per week</td>
<td>Examines the nature and exercise of power in the modern state. Surveys contemporary liberal, socialist and conservative writings on power and the state in modern advanced industrial countries including Australia and countries in Europe, East Asia and North America. Analyses concepts such as authority, processes such as legitimation, and relationships between classes, interest groups, social movements and the state. Students pay close attention to issues in which they have particular interest, experience and/or expertise.</td>
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<tr>
<td>POL 922</td>
<td>Advanced International Relations</td>
<td>12cp</td>
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<td>3 hours per week</td>
<td>This subject analyses theories, concepts and approaches to the advanced study of international relations, including globalism and feminist perspectives. Competing conceptions of and change in the international order are examined. Alliances, blocs and other forms of international co-operation are discussed. Issues studied include: security, diplomacy, foreign policy-making, human rights, the role of government in international economic relations, non-governmental organisations and multi-national corporations. The subject focuses on Australia and the Asia-Pacific region(s).</td>
</tr>
<tr>
<td>POL 931</td>
<td>From Revolution to Reform in CIS, Eastern and Central Europe</td>
<td>12cp</td>
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<td>3 hours per week</td>
<td>Examines the collapse of reforms in state socialist countries in the CIS, Eastern and Central Europe. Analyses reasons for the loss of legitimacy of Leninist political systems and the role of social movements in the crisis of state socialism. Examines the implications of changes in the domestic and foreign policies of the former nations of the USSR and Eastern and Central Europe for the 'Balance of Power' in International relations.</td>
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<tr>
<td>POL 941</td>
<td>Government and Politics in the South Pacific Islands</td>
<td>12cp</td>
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<td>3 hours per week</td>
<td>Analyses pre-colonial and colonial politics and government in the Pacific island countries. Particular attention is paid to nationalism, decolonisation, constitution-making, independence, and post-independence political arrangements, including challenges to the authority of successor states. The role and impact of external forces (aid donors, lenders, investors, etc) are discussed. Students are encouraged to undertake detailed case-studies of particular issues, institutions, countries or regions.</td>
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<tr>
<td>POL 951</td>
<td>Major Thesis</td>
<td>48cp</td>
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<td>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.</td>
</tr>
<tr>
<td>POL 984</td>
<td>Power and the Modern State: Advanced Topics</td>
<td>8cp</td>
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<td>3 hours per week</td>
<td>This subject analyses theories, concepts and approaches to the advanced study of international relations, including globalism and feminist perspectives. Competing conceptions of and change in the international order are examined. Alliances, blocs and other forms of international co-operation are discussed. Issues studied include: security, diplomacy, foreign policy-making, human rights, the role of government in international economic relations, non-governmental organisations and multi-national corporations. The subject focuses on Australia and the Asia-Pacific region(s).</td>
</tr>
</tbody>
</table>
Subject Description: Examines the nature and exercise of power in the modern state. Surveys contemporary liberal, socialist and conservative writings on power and the state in modern advanced industrial countries including Australia and countries in Europe, East Asia and North America. Analyses concepts such as authority, processes such as legitimation, and relationships between classes, interest groups, social movements and the state. Students pay close attention to issues in which they have particular interest, experience and/or expertise.

### SCIENCE, TECHNOLOGY AND SOCIETY

**STS 901 Theories and Methods of Science and Technology Studies**

- **Spring/Autumn**: Wollongong On Campus 12cp
- **Pre-requisites**: Approval of Head of Program
- **Co-requisites**: 
- **Exclusions**: Restrictions:
- **Assessment**: Essays, presentations and class participation
- **Contact Hours**: By arrangement
- **Subject Description**: Students will study topics appropriate to their field of special interest, subject to the approval of the Head of Program.

**STS 902 Advanced Topics in Science and Technology Studies**

- **Autumn/Spring**: Wollongong On Campus 12cp
- **Pre-requisites**: Approval of Head of Program
- **Co-requisites**: 
- **Exclusions**: Restrictions:
- **Assessment**: Essays, presentations and class participation
- **Contact Hours**: 3 hrs per week
- **Subject Description**: Students will study topics appropriate to their field of special interest, subject to the approval of the Head of Program.

**STS 903 Minor Thesis**

- **Autumn/Spring**: Wollongong On Campus 24cp
- **Pre-requisites**: Approval of Head of Program
- **Co-requisites**: 
- **Exclusions**: Restrictions:
- **Assessment**: Thesis
- **Contact Hours**: 3 hrs per week
- **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.

**STS 921 The Dynamics of Science and Technology**

- **Autumn/Spring**: Wollongong On Campus 12cp
- **Pre-requisites**: Approval of Head of Program
- **Co-requisites**: 
- **Exclusions**: Restrictions:
- **Assessment**: Essays, presentations and class participation
- **Contact Hours**: By arrangement
- **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.

**STS 924 Major Thesis**

- **Annual**: Wollongong On Campus 48cp
- **Pre-requisites**: Approval of Head of Program
- **Co-requisites**: 
- **Exclusions**: Restrictions:
- **Assessment**: Thesis
- **Contact Hours**: 2 hrs per week
- **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.

**STS 929 Studies in Resource and Environmental Policy**

- **Autumn**: Wollongong On Campus 8cp
- **Pre-requisites**: Approval of Head of Program or Subject Coordinator
- **Co-requisites**: 
- **Exclusions**: Restrictions:
- **Assessment**: Essays, presentations and class participation
- **Contact Hours**: 1 hr L 2 hrs T
- **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.

**STS 931 Risk Assessment Health and Safety**

- **Spring**: Wollongong On Campus 12cp
- **Pre-requisites**: Approval of Head of Program or Subject Coordinator
- **Co-requisites**: 
- **Exclusions**: Restrictions:
- **Assessment**: Essays, presentations and class participation
- **Contact Hours**: 1 hrs L 2 hrs T
- **Subject Description**: This subject examines hazards to human life and health associated with technologies - in the workplace and the wider environment. It focuses on the politics and economics of the generation and distribution of hazards; methods and problems in analysing and evaluating risks; discourses, debates and decision-making on hazards; and strategies for managing them. It compares different theoretical approaches for explaining these processes and debates, and for informing intervention in them.

**STS 934 Genetics and Technological Innovation**

- **Autumn**: Wollongong On Campus 12cp
- **Pre-requisites**: Approval of Head of Program or Subject Coordinator
- **Co-requisites**: 
- **Exclusions**: Restrictions:
- **Assessment**: Essays, presentations and class participation
- **Contact Hours**: 3 hrs per week
- **Subject Description**: This subject examines the development, impact and social context of molecular biology and genetic engineering. Topics may include: the development of a model for DNA; the development of recombinant DNA techniques; Asilomar and safety; corporate influence on molecular biology; ethical and political issues in genetic screening and genetic engineering; regulation of biotechnology and social control of research priorities; legal and moral issues in the patenting of life forms; the human genome project; the release of recombinant organisms; and biotechnology industry in Australia.

**STS 935 The Impact of Computers and Communication Technology**

- **Spring**: Wollongong On Campus 12cp
Pre-requisites: Approval of Head of Program or Subject Coordinator
Co-requisites: Exclusions: Restrictions: Assessment: Essays, presentations and class participation
Contact Hours: 3 hrs per week
Subject Description: Are we entering a qualitatively new 'information society' or is the basis of our social formation much as it was before even if information is becoming more important? This subject examines this question by drawing on a variety of forms of social, political and economic theory appropriate to different arenas and institutions in which information and communication are central - industrial and commercial organisations, the military, state agencies, markets, community groups and social movements.

STS 936 Critical Studies in Medicine and Health Care
Spring Wollongong On Campus 12cp
Pre-requisites: Approval of Head of Program or Subject Coordinator
Co-requisites: Exclusions: Restrictions: Assessment: Essays, presentations and class participation
Contact Hours: 3 hrs per week
Subject Description: This subject explores the social, economic and political dimensions of medicine and health care: the forces shaping them, their implications and their limitations. Themes and topics may include: the shaping of medical knowledge and discourses, and concepts of health and sickness; institutions and markets; evaluation of new remedies; technological innovation; health and medical policies; the politics of cancer; health in the workplace; ethical dilemmas; critiques of conventional medicine and health care; alternative health practices.

STS 947 Case Studies in Science and Technology Policy
Spring Wollongong On Campus 6cp
Pre-requisites: Approval of Head of Program
Co-requisites: Exclusions: Restrictions: Assessment: Essays, presentations and class participation
Contact Hours: By arrangement
Subject Description: This subject provides practical insights and experience in analysis, policy formulation, implementation and monitoring of scientific or technological changes and their impacts. A case study is chosen according to student interests and expertise, and staff availability. Issues might include: a hazard control policy; a set of national research priorities; a set of performance indicators for research or education funding; or negotiating the purchase and implementation of a major computing system.

SOCIOLOGY

SOC 904 An Introduction to Policy and Program Evaluation
Autumn/Spring Wollongong On Campus 8cp
Pre-requisites: Exclusions: Restrictions: Assessment: Four presentations from set exercises 20% each, short evaluation project.
Contact Hours: 2hrs seminar p/w
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.
Additional Information: SOC904 is a core subject for the Masters in Social Policy.

SOC 910 Postgraduate Sociology Seminar
Autumn/Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Small projects; Research proposal; Seminar presentations
Contact Hours: 2hrs seminar p/w
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. Collegial team work is also an important aspect of the work of the subject.

SOC 918 Sociology of Development
Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Seminar Paper 30% Minor Essay 30% Major Essay 40%
Contact Hours: 3hrs lect/sem pw
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.

SOC 921 Special Topic in Sociological Studies
Autumn/Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions:
Participation.

And structural dimensions of racial oppression and liberation Spring

In this subject, we analyse social regulation as a complex social process with the penal welfare and medical spheres comprising three major systems of social control in modern industrial/post-industrial societies. The first section of the course covers a detailed examination of the competing theories in the field and an investigation of the changes in modes of social control since the sixteenth century. This provides the basis for the second part of the course in which we investigate current issues and policies of social control with an emphasis of the specific populations regulated and controlled within the three spheres.

**SOC 933 Advanced Research Techniques**

**Spring Wollongong On Campus** 8cp

**Pre-requisites:**

**Exclusions:**

**Contact Hours:** 2 hrs seminar p/w

**Subject Description:** This subject will explore in depth and detail one issue (or a set of issues) 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 with in the Brisbane subject "Race" and racism, in relation to other dimensions of social structure, in particular class and gender relations. Within an analysis of the Australian context, the significance of culture and policies of social control with an emphasis of the specific populations regulated and controlled within the three spheres.

**Additional Information:** SOC933 is a core subject for the Masters in Social Policy.

**SOC 940 Contemporary Social Policy Theory and Practice**

**Autumn Wollongong On Campus** 8cp

**Pre-requisites:**

**Exclusions:**

**Contact Hours:** 3hrs lect/sem pw

**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 examination 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.

**Additional Information:** SOC940 is a core subject for the Masters in Social Policy.

**SOC 942 Advanced Race and Ethnic Studies**

**Autumn Wollongong On Campus** 8cp

**Pre-requisites:**

**Exclusions:**

**Contact Hours:** 3hrs lect/sem pw

**Subject Description:** Introduces students to theories of ethnicity, 'race' and racism, in relation to other dimensions of social structure, in particular class and gender relations. Within an analysis of the Australian context, the significance of culture and ideology is explored. This includes an analysis of the subjective and structural dimensions of racial oppression and liberation movements, as well as an analysis of the broader theoretical and substantive relationship between culture, identity and resistance. These theories and issues will relate to the situation of Aboriginal and ethnic minorities in Australia, and international and historical comparisons will be made.

**SOC 949 Advanced Social Regulation: Policies and Issues**

**Spring Wollongong On Campus** 8cp

**Pre-requisites:**

**Exclusions:**

**Contact Hours:** 3hrs lect/sem pw

**Subject Description:** This subject 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 with in the Brisbane subject "Race" and racism, in relation to other dimensions of social structure, in particular class and gender relations. Within an analysis of the Australian context, the significance of culture and policies of social control with an emphasis of the specific populations regulated and controlled within the three spheres.

**Additional Information:** SOC949 is a core subject for the Master of Social Policy.

**SOC 970 Advanced Social Movements**

**Spring Wollongong On Campus** 8cp

**Pre-requisites:**

**Exclusions:**

**Contact Hours:** 1L, 2S per week

**Subject Description:** This subject will examine, historically and sociologically, local and global power relations with particular reference to traditional channels of resistance and change. Firstly some of the traditional channels, such as trade unions, will be analysed as agents of change. Second new social movements including the women's movement, urban movements, environmental and minority liberation movements will be examined. We will also examine identity, community and information politics in relation to aspects of citizenship, democracy and social change.

**SOC 990 A Minor Thesis**

**Annual Wollongong On Campus** 24cp

**Pre-requisites:**

**Exclusions:**

**Assessment:**

**Subject Hours:**

**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 with 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.

SOC 999  Major Thesis

CENTRE FOR ASIA PACIFIC SOCIAL TRANSFORMATION STUDIES

CAPS901  Social Change and Development
Autumn  Wollongong Flexible Delivery  6cp
Pre-requisites: Co-requisites: Exclusions:
Restrictions: Possession of first degree in relevant discipline
Assessment: Continuous assessment 65% Project 35%
Contact Hours: 3
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
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;
2. Appreciate the linkages between different processes of social change in a way which transcends the more limited approaches of economic determinist development theory.

CAPS902  Issues in Developing Economies
Autumn  Wollongong Flexible Delivery  6cp
Pre-requisites: Co-requisites: Exclusions:
Restrictions: Possession of first degree in relevant discipline
Assessment: Continuous assessment 65% Project 35%
Contact Hours: 3
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 presented in other parts of the course and elsewhere;
2. Deploy enhanced skills in the analysis of statistical and other socio-economic data.

CAPS903  Migration and Multicultural Societies
Autumn  Wollongong Flexible Delivery  6cp
Pre-requisites: Co-requisites: Exclusions:
Restrictions: Possession of first degree in relevant discipline
Assessment: Continuous assessment 65% Project 35%

CAPS904  Social Program Evaluation and Planning
Autumn  Wollongong Flexible Delivery  6cp
Pre-requisites: Co-requisites: Exclusions:
Restrictions: Possession of first degree in relevant discipline
Assessment: Continuous assessment 65% Project 35%
Contact Hours: 3
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 transmigrasi 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

CAPS905  Labour Relations, Regulation and Organisation
Spring  Wollongong Flexible Delivery  6cp
Pre-requisites: Co-requisites: Exclusions:
Restrictions: Possession of first degree in relevant discipline
Assessment: Continuous assessment 65% Project 35%
Contact Hours: 3
Annual  Wollongong On Campus  48cp
Pre-requisites: Co-requisites: Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: Additional Information: Please contact the Postgraduate co-ordinator for information on the thesis and thesis requirements.

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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

CAPS906 Human Resources in Developing Countries
Autumn Wollongong Flexible Delivery 6cp
Pre-requisites: Co-requisites:
Exclusions:
Restrictions: Possession of first degree in relevant discipline
Assessment: Continuous assessment 65% Project 35%
Contact Hours: 3

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

CAPS907 Managing the Production and Diffusion of Knowledge
Spring Wollongong Flexible Delivery 6cp
Pre-requisites: Co-requisites:
Exclusions:
Restrictions: Possession of first degree in relevant discipline
Assessment: Continuous assessment 65% Project 35%
Contact Hours: 3

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

CAPS933 Social Science Research Methods
Spring Wollongong Flexible Delivery 6cp
Pre-requisites: Co-requisites:
Exclusions:
Restrictions: Possession of first degree in relevant discipline
Assessment: Continuous assessment 65% Project 35%
Contact Hours: 3

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. criticise in an informed manner the research methods and the interpretation of data found in their reading for other courses;
2. design research frameworks appropriate to the research tasks arising from other parts of the course;
3. utilise a statistical computer package;
4. manipulate basic statistical concepts in both descriptive and inferential modes.
MEMBER UNITS

Accounting and Finance
Economics
Information Systems
Management
Marketing
The Business School

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 and Finance
Master of Banking
Master of Commerce in Accountancy and Finance
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
Accounting and EDI Auditing
Controllership
Critical accounting theory
External financial reporting
Finance Government and not-for-profit accounting
History of accounting thought
International accounting & 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

(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)

This degree is primarily a research degree for those who have completed a bachelors honours at a standard of Class II, Division 2 or higher in 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.

(a) Candidates 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.

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)

This degree is primarily a research degree for those who have completed a bachelors honours at a standard of Class II, Division 2 or higher in 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.

(a) Candidates 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 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 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 will be accredited by the Australian Institute of Banking and Finance (ABIF) and will therefore be 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.
Candidates may qualify for the Master of Banking by completing the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACCY925</td>
<td>Banking Theory and Practice</td>
</tr>
<tr>
<td>ACCY955</td>
<td>International Banking</td>
</tr>
<tr>
<td>ACCY956</td>
<td>Banking, Lending and Securities</td>
</tr>
<tr>
<td>ACCY922</td>
<td>Investment Analysis</td>
</tr>
<tr>
<td>ACCY923</td>
<td>Investment Management</td>
</tr>
<tr>
<td>ACCY928</td>
<td>Multinational Financial Management</td>
</tr>
<tr>
<td>ACCY926</td>
<td>Studies in Business Finance</td>
</tr>
<tr>
<td>LAW970</td>
<td>Banking and Financial Institutions Law</td>
</tr>
</tbody>
</table>

**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 do not have a specialisation in Accountancy and wish to complete an accounting program may be permitted to study for the degree provided that they include the undergraduate accountancy subjects amounting to 24 credit points, recommended by the Head of the Department; thus the total credit points required for these candidates is 72. 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.

<table>
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<tr>
<td>ACCY903</td>
<td>Accounting Theory</td>
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<tr>
<td>ACCY904</td>
<td>Financial Accounting</td>
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<tr>
<td>ACCY905</td>
<td>International Accounting</td>
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<tr>
<td>ACCY913</td>
<td>Management Accounting</td>
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<tr>
<td>ACCY914</td>
<td>Management Planning and Control Systems</td>
</tr>
<tr>
<td>ACCY936</td>
<td>Management and Information Systems</td>
</tr>
<tr>
<td>ACCY968</td>
<td>Insolvencies</td>
</tr>
<tr>
<td>ACCY974</td>
<td>Accounting Regulation</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
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<th>Code</th>
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<tbody>
<tr>
<td>ACCY921</td>
<td>Managerial Finance*</td>
</tr>
<tr>
<td>ACCY922</td>
<td>Investment Analysis</td>
</tr>
<tr>
<td>ACCY923</td>
<td>Investment Management</td>
</tr>
<tr>
<td>ACCY924</td>
<td>Corporate Financial Information Analysis</td>
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<tr>
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<tr>
<td>ACCY928</td>
<td>Multinational Financial Management</td>
</tr>
<tr>
<td>ACCY929</td>
<td>Risk, Development and Venture Capital</td>
</tr>
</tbody>
</table>

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 ACCY987 Special Topic in Finance. Students who have completed a finance specialisation undergraduate degree are recommended to not include ACCY922 Investment Analysis in their program.
Graduate Diploma In Commerce

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.

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

ACCY925 Banking Theory and Practice
ACCY955 International Banking
ACCY956 Banking, Lending and Securities

Electives
ACCY922 Investment Analysis
or
LAW970 Banking and Financial Institutions Law

OTHER POSTGRADUATE SUBJECTS

ACCY850 Public Sector Financial Management and Controls
ACCY901 Accounting for Managers
ACCY906 Issues in Financial Accounting
ACCY908 Applied Financial Accounting
ACCY909 Comparative Accounting Systems
ACCY910 Issues in International Accounting
ACCY916 Studies in Controllship
ACCY918 Applied Management Accounting
ACCY931 Advanced Decision Support Systems
ACCY933 Studies in Information Systems in Accounting
ACCY944 Issues in Auditing
ACCY955 International Banking
ACCY956 Banking, Lending and Securities
ACCY961 Professional Practice - Accounting
ACCY962 Professional Practice - Auditing & EDP
ACCY963 Professional Practice - Taxation
ACCY969 Financial Management for Health Services
ACCY983 Studies in Government Accounting
ACCY985 Special Topic in Accounting - A
ACCY986 Special Topic in Accounting - B
ACCY987 Special Topic in Finance

94
ECONOMICS

COURSES OFFERED

Doctor of Philosophy
Honours Master of Commerce by Coursework and/or Research
Honours Master of Arts by Coursework and/or Research
Master of Commerce by Coursework
Graduate Diploma in Commerce (Economics)
Graduate Certificate in Applied Economics

CURRENT RESEARCH AREAS
The Department's main research concentrations are:
Labour and Human Resources
International Trade and Investment
Economic Growth and Development
Current and recent projects include:
Advertising rivalry in the banking
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

Doctor Of Philosophy
For the degree of Doctor of Philosophy, candidates enrol in the subject ECON993 Thesis. Additional subjects may be required.

Honours Master Of Commerce (Economics)
Honours Master Of Arts (Economics)
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 with a specialisation in Economics or an equivalent degree. The Course Rules governing the Honours Masters degree will apply. The degree of 96 credit points can be studied full-time over two years, or may be studied part-time. Students who have completed the Bachelor of Commerce(Honours) in Economics or the Bachelor of Arts (Honours) in Economics, or an equivalent degree, and who have graduated in Honours with a standard of Class II, Division 2 or higher may be given advanced standing or exemption up to a maximum of 48 credit points of the required 96 credit points. 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 Research Report 24
ECON993 T Thesis 1 48 1 Only for candidates who have successfully completed ECON996 and ECON997 or their equivalents.
Plus 36 to 60 credit points from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
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<tbody>
<tr>
<td>ECON901</td>
<td>Monetary Economics</td>
<td>6</td>
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<tr>
<td>ECON902</td>
<td>Advanced International Monetary Economics</td>
<td>6</td>
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<tr>
<td>ECON903</td>
<td>Public Finance</td>
<td>6</td>
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<tr>
<td>ECON904</td>
<td>Trade, Growth and Development</td>
<td>6</td>
</tr>
<tr>
<td>ECON905</td>
<td>History of Economic Thought</td>
<td>6</td>
</tr>
<tr>
<td>ECON907</td>
<td>Cost-Benefit Analysis</td>
<td>6</td>
</tr>
<tr>
<td>ECON908</td>
<td>Advanced Topics in the Economics of Development</td>
<td>6</td>
</tr>
<tr>
<td>ECON909</td>
<td>Econometric Theory</td>
<td>6</td>
</tr>
<tr>
<td>ECON911</td>
<td>Advanced International Economics</td>
<td>6</td>
</tr>
<tr>
<td>ECON912</td>
<td>Labour Economics</td>
<td>6</td>
</tr>
<tr>
<td>ECON913</td>
<td>Industrial Organisation</td>
<td>6</td>
</tr>
<tr>
<td>ECON915</td>
<td>Electronic Commerce and the Economics of Information</td>
<td>6</td>
</tr>
<tr>
<td>ECON916</td>
<td>Economics of Education, Health and Welfare</td>
<td>6</td>
</tr>
<tr>
<td>ECON918</td>
<td>Economics of Health Care</td>
<td>6</td>
</tr>
<tr>
<td>ECON921</td>
<td>Econometric Models</td>
<td>6</td>
</tr>
<tr>
<td>ECON933</td>
<td>Conflict and Co-operation</td>
<td>6</td>
</tr>
<tr>
<td>ECON935</td>
<td>Advanced Managerial Economics and Operations Research</td>
<td>6</td>
</tr>
<tr>
<td>ECON936</td>
<td>Graduate Macroeconomics</td>
<td>6</td>
</tr>
<tr>
<td>ECON937</td>
<td>Graduate Microeconomics</td>
<td>6</td>
</tr>
<tr>
<td>ECON938</td>
<td>Environmental Economics</td>
<td>6</td>
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<tr>
<td>ECON939</td>
<td>Quantitative Economic Analysis</td>
<td>6</td>
</tr>
<tr>
<td>ECON941</td>
<td>Advanced Topics in Economics - A</td>
<td>6</td>
</tr>
<tr>
<td>ECON942</td>
<td>Advanced Topics in Economics - B</td>
<td>6</td>
</tr>
<tr>
<td>ECON943</td>
<td>Advanced Topics in Economics - C</td>
<td>8</td>
</tr>
<tr>
<td>ECON957</td>
<td>Productivity and Labour</td>
<td>8</td>
</tr>
<tr>
<td>ECON978</td>
<td>Advanced Topics in Industrial Relations - C</td>
<td>6</td>
</tr>
<tr>
<td>ECON982</td>
<td>International Economic Relations</td>
<td>6</td>
</tr>
<tr>
<td>ECON983</td>
<td>Trade and Industry in East Asia</td>
<td>6</td>
</tr>
<tr>
<td>ECON984</td>
<td>Financial Economics</td>
<td>6</td>
</tr>
<tr>
<td>ECON991</td>
<td>Project</td>
<td>16</td>
</tr>
</tbody>
</table>

Master Of Commerce

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. The degree of 48 credit points may be studied full-time over one year, or may be studied part-time.

PROGRAM OF STUDY

For the Master of Commerce degree, normally students must complete 48 credit points at 900-level according to the following:

Compulsory subjects:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON936</td>
<td>Graduate Macroeconomics</td>
<td>6</td>
</tr>
<tr>
<td>ECON937</td>
<td>Graduate Microeconomics</td>
<td>6</td>
</tr>
<tr>
<td>ECON939</td>
<td>Quantitative Economic Analysis</td>
<td>6</td>
</tr>
</tbody>
</table>

Plus 30 credit points from one of the following areas of study:

International Business Economics
Eighteen 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>ECON902</td>
<td>Advanced International Monetary Economics</td>
<td>6</td>
</tr>
<tr>
<td>ECON913</td>
<td>Industrial Organisation</td>
<td>6</td>
</tr>
<tr>
<td>ECON982</td>
<td>International Economic Relations</td>
<td>6</td>
</tr>
<tr>
<td>ECON984</td>
<td>Financial Economics</td>
<td>6</td>
</tr>
</tbody>
</table>

96
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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON904</td>
<td>Trade, Growth and Development</td>
<td>6</td>
</tr>
<tr>
<td>ECON908</td>
<td>Advanced Topics in the Economics of Development</td>
<td>6</td>
</tr>
<tr>
<td>ECON982</td>
<td>International Economic Relations</td>
<td>6</td>
</tr>
<tr>
<td>ECON983</td>
<td>Trade and Industry in East Asia</td>
<td>6</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON901</td>
<td>Monetary Economics</td>
<td>6</td>
</tr>
<tr>
<td>ECON902</td>
<td>Advanced International Monetary Economics</td>
<td>6</td>
</tr>
<tr>
<td>ECON984</td>
<td>Financial Economics</td>
<td>6</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON912</td>
<td>Labour Economics</td>
<td>6</td>
</tr>
<tr>
<td>ECON916</td>
<td>Economics of Education, Health and Welfare</td>
<td>6</td>
</tr>
<tr>
<td>ECON918</td>
<td>Economics of Health Care</td>
<td>6</td>
</tr>
<tr>
<td>ECON983</td>
<td>Trade and Industry in East Asia</td>
<td>6</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON205</td>
<td>Macroeconomic Theory and Policy</td>
<td>8</td>
</tr>
<tr>
<td>ECON215</td>
<td>Microeconomic Theory and Policy</td>
<td>8</td>
</tr>
</tbody>
</table>

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.
Doctor of Philosophy
Honours Master of Commerce by Coursework and/or Research
Honours Master of Arts by Coursework and/or Research
Master of Commerce 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
Analysis of employee rights
Children's work Gender and work Employee participation, innovation and economic growth
Integration of market economies and the rights of labour
International migration and labour regulation
Labour and industrial relations history
New technologies and industrial relations
The employment relationship in Australia.

Doctor Of Philosophy

For the degree of Doctor of Philosophy, candidates enrol in the subject ECON993 Thesis. 2.

Honours Master Of Commerce (Industrial Relations)/Honours Master Of Arts (Industrial Relations)

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 or BA degree with a specialisation in Industrial Relations or an equivalent degree. The Course Rules governing the Honours Masters degree will apply. The degree of 96 credit points can be studied full-time over two years, or may be studied part-time.

Students who have completed the Bachelor of Commerce(Honours) or Bachelor of Arts(Honours) in Industrial Relations, or an equivalent degree, and who have graduated in Honours with a standard of Class II, Division 2 or higher may be given advanced standing or exemption up to a maximum of 48 credit points of the required 96 credit points.

PROGRAM OF STUDY

For the Honours Master Degree students must, subject to the advanced standing or exemption clauses, complete 96 credit points comprising: Either ECON992 Research Report 24 or ECON933 Thesis 48.

Plus 24 credit points from the following
ECON950 Gender and Work 8
ECON952 Workplace and Enterprise Industrial Relations 8
ECON953 Political Economy of Australian Wage Determination 8
ECON958 Industrial Relations and Management of Thought 8

Plus 24-48 credit points from the following
ECON912 Labour Economics 6
ECON913 Industrial Organisations 6
ECON948 Employers and Industrial Relations 8
ECON955 Comparative Studies in Industrial Relations 8
ECON956 Advanced Industrial Relations Processes 8
ECON957 Productivity and Labour 8
ECON973 Employers and Industrial Relations - A 8
ECON976 Advanced Topics in Industrial Relations - A 8
ECON977 Advanced Topics in Industrial Relations - B 8
ECON978 Advanced Topics in Industrial Relations - C 6
ECON991 Project 16
ECON992 Research Report 24
MGMT953 Human Resource Management 6
LAW966 Studies in Industrial Law 6
LAW969 Occupational Health and Safety Law 6

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
ECON950 Gender and Work
ECON952 Workplace and Enterprise Industrial Relations 8
ECON953 Political Economy of Australian Wage Determination 8
ECON958 Industrial Relations and Management of Thought 8

Plus 24 credit points from the following
ECON912 Labour Economics 6
ECON913 Industrial Organisations 6
ECON948 Employers and Industrial Relations 8
ECON955 Comparative Studies in Industrial Relations 8
ECON956 Advanced Industrial Relations Processes 8
ECON957 Productivity and Labour 8
ECON973 Employers and Industrial Relations - A 8
ECON976 Advanced Topics in Industrial Relations - A 8
ECON977 Advanced Topics in Industrial Relations - B 8
ECON978 Advanced Topics in Industrial Relations - C 6
ECON991 Project 16
ECON992 Research Report 24
MGMT953 Human Resource Management 6
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 in Australia 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.

INFORMATION SYSTEMS

COURSES OFFERED
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

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.

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>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSS981</td>
<td>Advanced Information Systems Topic A</td>
<td>6</td>
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<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 some 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>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSS945</td>
<td>Information Systems Project</td>
<td>12</td>
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<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>Credit Points</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.

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.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUSS211</td>
<td>Business Systems Development A</td>
<td>6</td>
</tr>
<tr>
<td>BUSS212</td>
<td>Business Systems Development B</td>
<td>6</td>
</tr>
<tr>
<td>BUSS214</td>
<td>Commercial Programming I</td>
<td>6</td>
</tr>
</tbody>
</table>
BUSS215 Commercial Programming II 6
BUSS311 Database Management Systems 6
BUSS312 Distributed Information Systems 6
BUSS316 Information Systems Prototyping 6
BUSS317 Advanced Business Programming 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 Business Systems Development A 6 cp
BUSS212 Business Systems Development B 6 cp
BUSS311 Database Management Systems 6 cp
BUSS316 Information Systems Prototyping 6 cp

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)

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

(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:

- MGMT986 Special Topic A 12
- MGMT987 Special Topic B 12
- MGMT988 Special Topic C 12
- MGMT989 Special Topic D 12 plus
- MGMT991 Major Thesis 48

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:

- MGMT990 Minor Thesis 24

**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.

- MGMT986 Special Topic A 12
- MGMT987 Special Topic B 12
- MGMT988 Special Topic C 12
- MGMT989 Special Topic D 12 plus
- MGMT991 Major Thesis 48

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 Management and the following:

- MGMT990 Minor Thesis 24

**Master Of Commerce (Management)**

The purpose of this pass 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, from a recognised 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. Candidates may take one of the following specialisations: - Human Resource Management - Operations Management - Public Sector
Management - Organisational Behaviour

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 are required to obtain an approved program of study in conjunction with the Master of Commerce Specialisation Director.

Master Of Commerce - Human Resource Management Specialisation

<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</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>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>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>MGMT953</td>
<td>Human Resource Management</td>
<td>6</td>
</tr>
<tr>
<td>MGMT963</td>
<td>Management of Occupational Health and Safety</td>
<td>6</td>
</tr>
</tbody>
</table>

Plus an approved 900-level Industrial Relations subject or 900-level subject offered by the Department of Management. Any variation to this program must be approved by the Master of Commerce(Management) specialisation Director.

Master Of Commerce - Operations Management Specialisation

<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT910</td>
<td>Strategic Technology Management</td>
<td>6</td>
</tr>
<tr>
<td>MGMT911</td>
<td>Organisational Behaviour</td>
<td>6</td>
</tr>
<tr>
<td>MGMT933</td>
<td>Management of Process Innovation 1 and/or</td>
<td>6</td>
</tr>
<tr>
<td>MGMT947</td>
<td>Quality Management</td>
<td>6</td>
</tr>
<tr>
<td>MGMT952</td>
<td>Production and Operations Management</td>
<td>6</td>
</tr>
<tr>
<td>MGMT953</td>
<td>Human Resource Management</td>
<td>6</td>
</tr>
<tr>
<td>WBS+902</td>
<td>Statistics for Decision Making</td>
<td>6</td>
</tr>
</tbody>
</table>

and two approved 900-level subjects offered by the Department of Management. Any variation to this program must be approved by the Master of Commerce(Management) specialisation Director.

MANAGEMENT 900-LEVEL SUBJECTS

<table>
<thead>
<tr>
<th>Code</th>
<th>Subject</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGMT908</td>
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</tr>
<tr>
<td>MGMT910</td>
<td>Strategic Technology Management</td>
<td>6</td>
</tr>
<tr>
<td>MGMT911</td>
<td>Business Management I</td>
<td>6</td>
</tr>
<tr>
<td>MGMT947</td>
<td>Quality Management</td>
<td>6</td>
</tr>
<tr>
<td>MGMT952</td>
<td>Production and Operations Management</td>
<td>6</td>
</tr>
<tr>
<td>MGMT953</td>
<td>Human Resource Management</td>
<td>6</td>
</tr>
<tr>
<td>MGMT963</td>
<td>Management of Occupational Health and Safety</td>
<td>6</td>
</tr>
<tr>
<td>MGMT978</td>
<td>Cross Cultural Management</td>
<td>6</td>
</tr>
</tbody>
</table>

A range of other subjects may be offered, subject to demand. Prospective students should contact the Department's Professional Officer for further information.

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
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:-

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
MARK957 International Marketing Strategy 6
MARK959 Sales Management 6
MARK970 Contemporary Issues in Services Quality 6
MARK977 Research for Marketing Decisions 6
MARK997 Retail Marketing Management 6

Graduate Diploma Of Commerce (Marketing)

Entrants to this degree should hold a three-year degree in a discipline other than Commerce, and/or a minimum of three years work experience in a Management/Marketing environment.

On successful completion of this Graduate Diploma, students will be eligible to apply for the Master of Commerce (Marketing) degree or the Master of Business Administration (MBA) degree.

PROGRAM OF STUDY
Subjects totaling 48 credit points to be taken from the following list after discussion and approval from the Marketing Postgraduate Director. -

MARK217 Consumer Behaviour 6
MARK239  Analysis for Marketing Decisions  6
MARK319  Marketing Research  6
MARK333  Marketing Communication  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 Certificate In Marketing

Like the Graduate Diploma, this course is designed for graduates from disciplines other than Commerce, or candidates with relevant work experience in a management/marketing environment, to enable students to gain a qualification in Marketing.

On successful completion of this Graduate Certificate, students will be eligible to apply for the Graduate Diploma program, the Master of Quality Management (MQM), Master of International Business (MIB) 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;

MARK922  Marketing Management  6
and also including at least one additional 900-level subject.
MARK217  Consumer Behaviour  6
MARK239  Analysis for Marketing Decisions  6
MARK319  Marketing Research  6
MARK333  Marketing Communication  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

THE BUSINESS SCHOOL
The Business School 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, Logistics, Operations and Supply Chain Management and Quality Management. The Business School 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 & Behavioural Sciences, Informatics, Engineering and Education to deliver a range of cross faculty degree programs (for details on these programs please refer to the relevant Faculty entry). The Business School has two key operational units, the University of Wollongong - Business School 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 Hong Kong.

**MODE OFFERED**

Programs offered through the University of Wollongong - Business School can be undertaken on a full-time or part-time basis. Programs offered through the Sydney Business School are undertaken on a part-time basis, with the exception of the Master of International Business, which can also be undertaken full-time. Subjects are offered in modular, flexible delivery mode in Wollongong and Sydney. The Business School also provides the focus for the University's integrated distance education graduate business programs, with courses offered off-campus and off-shore for specific clients in Australia and overseas. The School has offered specific tailored courses leading to Masters degrees for corporate clients.

**POSTGRADUATE COURSES AVAILABLE IN 2000:**

- Master of Business Administration
- Master of Business Administration (Health Management)
- Master of International Business
- Master of Logistics and Operations Management
- Master of Quality Management
- Graduate Diploma in Business Administration
- Graduate Certificate in Business Administration
- Graduate Certificate in Quality Management

**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
- Public Sector Marketing
- Customer Satisfaction
- EEO & Diversity Management
- Negotiation & Conflict Resolution
- Employment Law

**Post Graduate Qualifying Program**

The Postgraduate Qualifying Program (PQP) is a one-year qualifying program consisting of 48 credit points completed full time. The primary purpose of this qualification is to provide an entry pathway for applicants from countries where an undergraduate degree may only be two years in length. Candidates may apply to progress from the PQP to the Master of Business Administration, Master of International Business, Master of Logistics & Operations Management or Master of Quality Management.

Advice on subject selection should be obtained from the Deputy Director of the Business School.

Note: This program is available for Autumn session intake only.

**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.

Through the University of Wollongong - Business School, the Master of Business Administration (MBA) is a 12 to 18 month full-time or 24 to 36 month part-time course and is offered on a flexible, modular basis.

Through the Sydney Business School, the Master of Business Administration (MBA) is a 24 to 36 month part-time course 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 Friday/Saturday sessions and distance education. The Business School 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

- 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

### Core Units

- WBS907: Financial Strategy
- WBS908: Supply Chain Management Strategy
- WBS920: International Business Environment and Strategy
- WBS921: Strategic Decision Making

Elective Units: Four subjects selected from other 900 level Business School or Faculty of Commerce subjects or any other 900 level subject, as approved by the MBA Course Co-ordinator or Deputy-Director of the Business School.

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 who hold a recognised two-year degree from the Indian sub-continent (or equivalent) with a minimum of two years work experience are required to undertake, and successfully complete a one-year Postgraduate Qualifying Program (eight subjects, as specified by the Deputy Director).

Applicants must meet the University's English Language requirements.

### COURSE APPROVAL:

The Program of Study for each candidate must be approved by the MBA Course Co-ordinator.

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.

Master Of Business Administration (Health Management)
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 eight subjects of advanced standing. MHM 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. (Refer to the Faculty of Health &amp; Behavioural Sciences for details on the MHM).

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 months full-time or 24 to 36 months part-time course, at both Wollongong and Sydney and is offered on a flexible, modular basis. The program comprises five compulsory subjects, plus three 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. Candidates are required to complete 8 subjects at 900 level, according to the sequence of study listed below.

Compulsory Subjects
WBS980 International Financial Analysis and Decision Making
WBS981 Employment Relations in an International Context
WBS982 Advertising and Marketing in a Global Economy
WBS983 International Economic Environment for Business
WBS984 International Business Strategy

plus 3 elective subjects at 900 level to be approved by the Course Co-ordinator.

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 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 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 a one-year qualifying program.

In the case of candidates from the Peoples Republic of China, in addition to the entry requirements listed above, 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.

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
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 - Business School, 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.

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 or Deputy Director following successful completion of a one-year qualifying program. 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 Business School.

Master Of Quality Management (MQM)

COURSE DESCRIPTION
This degree is designed to equip decision-makers and managers with the tools necessary to implement and manage Quality systems within organisations. Candidates are required to complete eight subjects at 900 level as the course schedule is currently under review; students should seek the advice of the Course Co-ordinator prior to subject selection.
Through the University of Wollongong - Business School, the Master of Quality Management may be completed over 12 to 18 months of full-time study or 24 to 36 months part-time study and is offered on a flexible, modular basis.

Through the Sydney Business School, the Master of Quality Management program may be completed over 24 to 36 months of part-time study and is offered on a flexible modular basis.

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:
For admission to the program, candidates are required to have an undergraduate degree from a recognised university or institution of equivalent standing. In special circumstances, applicants holding other post-secondary qualifications and with a minimum of five years full-time work experience, of which at least two years is in the Quality Management area, may be granted admission to the program by the 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 a one-year qualifying program. 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.

COURSE APPROVAL:
The program of study for each student must be approved by the Course Co-ordinator. Students who have substantially covered the content of any of the compulsory subjects may be exempted by the relevant Departmental Head from any such subjects, but will be required to substitute another subject nominated by the Course Co-ordinator for each subject for which exemption is granted.

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 - Business School, 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 Environment and 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 - Business School, 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.

EXTERNAL COURSES
Two graduate programs in the area of management and business administration are available for study by distance education. The Graduate Diploma in Business Administration and the Graduate Certificate in Business Administration are available in distance education mode through the Professional and Graduate Education Consortium (PAGE) which has recently been taken over by Open Learning Australia (OLA). Details of the programs of study for these courses are available in the OLA Prospectus.

Graduate Certificate In Quality Management

COURSE DESCRIPTION:
Candidates who wish to undertake a Quality Management course of shorter duration than the Master of Quality Management may enrol in the Graduate Certificate in Quality Management. The Graduate Certificate is awarded at Pass level only. The program is offered in Wollongong and Sydney; both locations deliver the program in a modularised format. Candidates are required to complete four subjects at 900 level as the course schedule is currently under review; students should seek the advice of the Course Co-ordinator prior to subject selection.

Through the University of Wollongong - Business School, the Graduate Certificate in Quality Management may be completed over six months of full-time study or twelve months of part-time study.

Through the Sydney Business School, the Graduate Certificate in Quality Management may be completed over twelve months of part-time study.

This program is also available by distance education.

ENTRY REQUIREMENTS:
As for the Master of Quality Management.

EXTERNAL COURSES
The Graduate Certificate in Quality Management is available in distance education mode through the Professional and Graduate Education Consortium (PAGE) which has recently been taken over by Open Learning Australia (OLA). Details of the programs of study for these courses are available in the OLA Prospectus.
ACCOUNTING AND FINANCE

ACCY901 Accounting for Managers
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: ACCY101, ACCY190 or ACCY100 and ACCY102
Restrictions:
Assessment: See Subject Program Contact Hours: 3 hours
Subject Description: The interpretation and utilisation of the major types of reports and analyses prepared by accountants for management decision making.

ACCY903 Accounting Theory
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.

ACCY904 Financial Accounting
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.

ACCY905 International Accounting
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Students of The Business School are not permitted to enrol in this subject.
Assessment: Contact Hours:

ACCY907 Empirical Research Methods in Accounting
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: The subject provides an overview of the ways accounting and finance researchers identify, formulate and investigate empirical questions in accounting and finance. Subjects include the criteria adopted to select research projects, issues of experimental design, validity threats, measurement problems and statistical analysis. Selected published accounting and finance research will be used to illustrate established methods of empirical research.

ACCY913 Management Accounting
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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 systems theories, activity based accounting and critical accounting approaches.

ACCY914 Management Planning and Control Systems
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: An in-depth analysis of selected aspects of the design and evaluation of management accounting, planning and control systems.

ACCY921 Managerial Finance
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: An examination of the sources and uses of corporate finance, and the identification of relevant costs for decision making. Specific topics may include financial decision and corporate strategy, valuation, receivables, capital investment, risk and uncertainty, required rates of return, dividend policy, leasing, mergers and acquisitions.

ACCY922 Investment Analysis
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.

ACCY923 Investment Management
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.

ACCY924 Corporate Financial Information Analysis
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.

ACCY925 Banking Theory and Practice
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Subject Description: This subject focuses on accounting aspects of the practices and operations of banks and other financial institutions. Topics include the regulatory structure of financial institutions; the cheque clearing system; float management; and electronic banking. Additionally, the subject should enable the student to understand balance sheet planning and capital adequacy analysis as used in financial institutions.

ACCY926 Studies in Business Finance
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Subject Description: Contemporary business finance theory, including option pricing theory, arbitrage pricing model, bond swapping and bond immunisation.

ACCY927 Small Business Finance
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Subject Program Contact Hours: Subject Description: Two major problems account for the majority of small business failures. These are managerial problems and financial limitations. Both are intertwined. The material in this subject covers the sources, uses and management of funds from pre-purchase to public listing. For example, common errors in the financial management of small firms include a lack of adequate control systems for cash and inventory management, accounts receivable and payable, credit management etc. Financial decisions involve complex issues that have both theoretical and applied components that will be discussed in some detail.

Subject Objectives: Small Business Finance is not designed to train students in the management of small businesses. Instead, it is intended to enlighten potential advisors about the problems small business owners/managers face. By the end of the subject, successful students should be able to assess the reasons for client's difficulties and should be able to suggest and explain methods the client would be able to apply to overcome those difficulties. Therefore, the subject requires the development of both analytical skills and an ability to communicate both orally and in writing.

ACCY928 Multinational Financial Management
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 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.

ACCY929 Risk, Development and Venture Capital
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 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.

ACCY936 Management and Information Systems
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 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.

ACCY955 International Banking
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 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.

ACCY956 Banking, Lending and Securities
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Subject Description: The material covered includes the foundations and development of the risk capital industry, management 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 social, 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.

ACCY968 Insolvencies
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Subject Description: The material covered includes the foundations and development of the risk capital industry, management 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 social, 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.
Subject Description: Accounting and legal aspects of corporate and non-corporate insolvencies including bankruptcies, liquidations, receivership; alteration of capital, reconstruction, amalgamation and takeovers.

ACCY969 Financial Management for Health Services
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.

ACCY974 Accounting Regulation
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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 arrangements for setting standards, the impact of accounting theory on standard setting, and a historical review of accounting regulation.

ACCY985 Special Topic in Accounting-A
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.

ACCY985 Special Topic in Accounting-A
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.

ACCY996 Thesis
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: Information may be obtained from the Head of Department regarding ACCY985, ACCY986, ACCY987, ACCY993, ACCY994, ACCY995 and ACCY996.

ECONOMICS

ECON901 Monetary Economics
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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, Keynesian, 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.

**ECON902 Advanced International Monetary Economics**

**Spring Wollongong On Campus** 6cp

**Pre-requisites:**

**Co-requisites:**

**Exclusions:**

**Restrictions:**

**Assessment:**

**Contact Hours:**

**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, evaluate and analyse the problems in these areas.

**ECON904 Trade, Growth and Development**

**Autumn Wollongong On Campus** 6cp

**Pre-requisites:**

**Co-requisites:**

**Exclusions:**

**Restrictions:**

**Assessment:**

**Contact Hours:**

**Subject Description:** The following topics will be covered: The WTO as an international organisation; capital-skill complementarity; new investment and technical progress; concerns about the role of multinational corporations in trade and technology progress; the role of multinational corporations in trade and technology transfers; human development, economic democracy and shared growth; international economic institutions (IBRD, IMF, WTO) and the national economies. Examples will be cited from developing and developed countries but recent Australian and Asian experience will be emphasized.

**Subject Objectives:** On completion of this subject, participants will be able to: understand the emerging international trade rules under WTO; understand interactions between human capital, new investments and technical progress; appreciate evaluate drivers of productivity growth and its benefit sharing; view economic development strategy is constrained by freedom of choices.

**ECON906 History of Economic Thought**

**Autumn Wollongong On Campus** 6cp

**Pre-requisites:**

**Co-requisites:**

**Exclusions:**

**Restrictions:**

**Assessment:**

**Contact Hours:**

**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 analysis different schools and contextualise the different schools to contemporary economic and business issues.

**ECON907 Cost-Benefit Analysis**

**Spring Wollongong On Campus** 8cp

**Pre-requisites:**

**Co-requisites:**

**Exclusions:**

**Restrictions:**

**Assessment:**

**Contact Hours:**

**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 products and factor markets; unpriced goods and services; multiple objective planning; and the incorporation of risk and uncertainty.

**Subject Objectives:** 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; the theory underlying cost-benefit analysis; the application of CBA in a mixed-market economy; the identification and valuation of project benefits and costs; shadow pricing - concepts and measurement; social time preference and 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.

**ECON908 Advanced Topics in the Economics of Development**

**Autumn Wollongong On Campus** 6cp

**Pre-requisites:**

**Co-requisites:**

**Exclusions:**

**Restrictions:**

**Assessment:**

**Contact Hours:**

**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; 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.

**ECON909 Econometric Theory**

**Autumn Wollongong On Campus** 6cp

**Pre-requisites:**

**Co-requisites:**

**Exclusions:**

**Restrictions:**

**Assessment:**

**Contact Hours:**

**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.

**ECON911 Advanced International Economics**

**Spring Wollongong On Campus** 6cp

**Pre-requisites:**

**Co-requisites:**

**Exclusions:**

**Restrictions:**

**Assessment:**

**Contact Hours:**

**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 the 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.

ECON912 Labour Economics

Autumn Wollongong On Campus 6cp

Pre-requisites: Co-requisites:

Assessment: Contact Hours:

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:

1. 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.

ECON913 Industrial Organisation

Autumn/Summer Wollongong On Campus 6cp

Pre-requisites: Co-requisites:

Exclusions: Restrictions:

Assessment: Contact Hours:

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:

1. 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

Autumn Wollongong On Campus 6cp

Pre-requisites: Co-requisites:

Exclusions: Restrictions:

Assessment: Contact Hours:

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 how electronic commerce affects the pricing decision of firms,
4. understand the impact of electronic commerce on small and medium sized firms and their ability to penetrate international markets,
5. appreciate the impact of electronic commerce is having on household decision making, working conditions and industrial relations,
6. understand the role of information technology in promoting the dramatic increase in electronic commerce,
7. estimate the value of information, the costs of obtaining information and the benefits of information to the organisation,
8. understand the concepts and theories of asymmetrical information, the efficient market hypothesis and adverse selection and to identify the problems and opportunities they generate.

ECON918 Economics of Health Care

Autumn Wollongong On Campus 6cp

Pre-requisites: Co-requisites:

Exclusions: Restrictions:

Assessment: Contact Hours:

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:

1. understand the role of information technology in promoting the dramatic increase in electronic commerce,
2. estimate the value of information, the costs of obtaining information and the benefits of information to the organisation,
3. understand the concepts and theories of asymmetrical information, the efficient market hypothesis and adverse selection and to identify the problems and opportunities they generate.

ECON921 Econometric Models

Autumn Wollongong On Campus 6cp

Pre-requisites: Co-requisites:

Exclusions: Restrictions:

Assessment: Contact Hours:

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.

ECON933 Conflict and Cooperation

Spring Wollongong On Campus 6cp

Pre-requisites: ECON111 and ECON122

Co-requisites:
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 incomplete information and strategic situations where the assumptions of competitive markets do not apply. The emphasis is on theoretical developments and the application of the central tools of game theory to real world problems of business and economics involving strategic interactions between parties.

ECON935 Advanced Managerial Economics an Operations Research
Spring/Summer Wollongong On Campus 6cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
Subject Description: A study of advanced quantitative techniques applicable to economic and managerial decision-making. This subject covers a wide range of quantitative analyses such as forecasting techniques, Bayesian analysis, Markov process models, PERT, CPM and specialised network algorithms, risk preference analysis, transportation and assignment models and quadratic and nonlinear programming.
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.

ECON936 Graduate Macroeconomics
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
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, 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.

ECON938 Environmental Economics
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
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 macroeconomic policies may improve economic performance. In doing so the course examines the major determinants of aggregate demand equilibrium, namely consumption and investment demands, international factors, money and interest. Monetary and fiscal policies are examined using this analytic structure to determine the effectiveness of these policies. 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.

ECON939 Quantitative Economic Analysis
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
Subject Description: This subject will provide a comprehensive study of advanced quantitative 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, focussing 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.

ECON941 Advanced Topics in Economics - A
Autumn/Spring/Summer Wollongong On Campus 6cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: Topics for these subjects (A-F) 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: This course is about economics in which we will explain a few mathematical tools. More precisely, the aim of this subject is to provide some basic mathematical tools of wide utility in theoretical economic and indicate their application to archetypical economic problems. The explicit use of mathematics does not mean that all verbal analysis should be discarded. On the contrary, the verbal interpretation of the various mathematical formalisms is of paramount importance.

ECON942 Advanced Topics in Economics-B
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: Topics for these subjects (A-F) 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: 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.

ECON943 Advanced Topics in Economics - C
Autumn/Spring/Summer Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: Topics for these subjects (A-F) 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: On successfully completing this subject students will be:
1. familiar with advanced analyses of the economics of natural resources;
2. familiar with the fundamental rules of efficient management and utilisation of renewable and exhaustible natural resources under various market structures;
3. familiar with the optimal control method and inter-temporal optimisation analysis;
4. able to evaluate the actual management and utilisation of natural resources.

ECON944 Advanced Topics in Industrial Relations - A
Autumn/Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: Topics for these subjects (A-F) 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: This subject studies the growth of the major economies in East Asia. It examines Japan, South Korea, China, Taiwan and Hong Kong. The topic discussed in this subject include: Studies of the major economies in East Asia, Brief history of industrialisation in the post-war period, Industrial structure, Macroeconomic trends and policies, Trade pattern and trade policy, strategic trade, Comparison of growth paths, and the role of government, Analysis of Trade & Investment flows in the Asian-Pacific region, Implications for Australia and the Asia-Pacific Region.

ECON946 Advanced Topics in Industrial Relations C
Autumn/Spring/Summer Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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 e+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.

ECON948 Employers and Industrial Relations
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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 e+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.

ECON950 Gender and Work
Autumn Wollongong On Campus 8cp
Pre-requisites: Undergraduate Degree Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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 student's 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.
ECON953 Political Economy of Australian Wage Determination
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

ECON955 Comparative Studies in Industrial Relations
Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

ECON956 Advanced Industrial Relations Processes
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

ECON958 Industrial Relations and Management
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

ECON973 Employers and Industrial Relations _ A
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

ECON975 Advanced Industrial Relations Processes
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

ECON982 International Economic Relations
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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 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.

ECON983 Trade and Industry in East Asia
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: This subject studies the growth of the major economies 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: Studies of the major economies in East Asia, Brief history of industrialisation in the post-war period Industrial structure, Macroeconomic trends and policies, Trade pattern and trade policy, strategic trade, Comparison of growth paths, and the role of government, Analysis of Trade & Investment flows in the Asian-Pacific region, Implications for Australia and the Asia-Pacific Region

ECON984 Financial Economics
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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 producers' activity sets will be analysed within a mean-variance expected utility maximisation framework.

Subject Objectives: At the end of this semester, students who complete this subject successfully will be:
1. familiar with the no-arbitrage rules of efficient saving, borrowing and investing in production capital;
2. familiar with the no-arbitrate rules for managing renewable and exhaustible natural assets;
3. familiar with theories and applications of efficient selection of asset portfolio and production-activity set;
4. familiar with economic and financial causes of insolvency and bankruptcy and with external-debt problems;
5. familiar with static and inter-temporal optimisation methods and their applications in saving, investment, resource utilisation, and portfolio analysis.

ECON991 Project
Autumn Wollongong On Campus 12cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description:

ECON992 Research Report
Autumn/Winter Wollongong On Campus 24cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description:

ECON993 Thesis
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: This subject establishes a basis for understanding the role of information systems in organisations

INFORMATION SYSTEMS

BUSS906 Strategic Information in Organisations
Autumn/Winter Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Essays, and case study. Contact Hours: 6
Subject Description: This subject establishes a basis for understanding the role of information systems in organisations and how such systems relate to organisational objectives, structures and procedures. Using systems theory plus other social theories including activity theory, the topics covered will include: the system concept in an organisation, information flows and decision processes, techniques and skills in representing system structures and integration of information systems into the organisational structure.

ECON996 Advanced Macroeconomic Theory
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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 macroeconomic adjustment 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 dynamics and speeds of adjustments and finally, the difficulty of formulating and implementing consistent, optimal 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 organising.

ECON997 Advanced Microeconomic Theory
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: The objective of this subject is to provide a balanced and comprehensive coverage of the core topics in theoretical microeconomics, with particular attention to welfare economics, the economics of production, and contestable markets.

Subject Objectives: This course aims to extend student understanding of the theory of microeconomics, particularly in an analytical direction, so that they will have a better opportunity to review and critically analyse the literature in both micro and macro economics. This course will also provide for students an extremely solid building block for higher educational (including doctoral) pursuits in this area. On successful completion of the course, students will have an understanding and appreciation of neoclassical microeconomics and its strengths and weaknesses; they will have the foundations to formulate problems on their own, as well as the microeconomic context to follow more structured procedures for solving those problems. They will also have added a new dimension to their capacity to conduct research by being equipped with reasonably contemporary and extremely invaluable analytical tools of microeconomics, including game theory and social choice.
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.

BUSS907 Electronic Commerce
Autumn/Spring: Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Nil
Exclusions: Restrictions: Nil
Assessment: Assignments and final examination.

Contact Hours:
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.

BUSS909 Office Automation and Intranets
Autumn/Spring: Wollongong On Campus 6cp
Pre-requisites: Nil Co-requisites: Nil
Exclusions: Restrictions: Nil

Contact Hours:
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 intranet systems 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.

BUSS910 Qualitative Analysis of Systems
Autumn/Spring: Wollongong On Campus 6cp
Pre-requisites: Nil. Co-requisites: Nil
Exclusions: Restrictions: Nil
Assessment: Continuous assessment; 3 assignments.
Contact Hours: 6

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 the 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.

BUSS911 Intelligent Systems
Autumn/Spring: Wollongong On Campus 6cp
Pre-requisites: BUSS910 Qualitative Analysis of Systems Co-requisites: Nil
Exclusions: Restrictions: Nil
Assessment: Project; assignments and final examination.

Contact Hours: 6
Subject Description: This subject considers the theory and practice of intelligent information systems development. It introduces the core principles of knowledge representation and reasoning, as well as techniques involved in knowledge acquisition, machine learning, planning and search. It then examines how these techniques are deployed in practical settings by considering applications such as expert systems, constraint programming, multi-agent systems, data mining and web information retrieval.

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 would also gain hands on experience with intelligent systems tools and development environments.

BUSS924 Systems Modelling and Simulation
Autumn: Wollongong On Campus 6cp
Pre-requisites: Nil. Co-requisites: Nil
Exclusions: Restrictions: Nil
Assessment: Weekly assignment; term project; and final examination.

Contact Hours:
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 methodologies in systems modelling; understand the nature of systems simulations; know the requirements for conducting successful system simulations.

Additional Information: 6 credit points.
BUSS926 Decision Support Systems
Autumn Wollongong On Campus 6cp
Pre-requisites: Nil. Co-requisites: Nil.
Exclusions: Restrictions: Assessment: Project, essay and final examination.
Contact Hours:
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.
BUSS927 Human Computer Interaction
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Assignments and final examination.
Contact Hours:
Subject Description: The aim of this subject is to make students aware of the multidisciplinary nature of the domain of Human Computer Interaction. It aims to provide students with the knowledge and skills required to make sound judgements about the design of a business computer system in terms of its suitability for achieving the particular goals required by its users, to evaluate how well software systems fulfil the needs of their users and to contribute to the design of user-centred systems in which users and task needs are given major consideration.
Subject Objectives: On successful completion of this subject students will be able to: understand and apply a variety of input, output and communication styles, devices and dialogue used in computer interfaces; understand and apply aspects of Activity Theory, Cognitive Psychology and Ergonomics to interface design; assess critically a number of interface design methodologies and interface design guidelines; demonstrate an ability to apply structured design principles to interface design; understand and apply a variety of currently available technologies supporting concepts such as prototyping, windowing, object-oriented design and user interface management; evaluate aspects of a human-computer interface and understand methods of usability testing; discuss the impact of computer systems on the people and groups that use them and the role of computers as a participant in organised human activity.
BUSS929 Information Systems Research Methods
Spring Wollongong On Campus 6cp
Pre-requisites: Nil. Co-requisites: Nil.
Exclusions: Restrictions: 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.
Contact Hours:
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.
BUSS945 Information Systems Project Annual Wollongong On Campus 12cp
Pre-requisites: Nil. Co-requisites: Restrictions: Assessment: Final detailed report plus any other relevant materials related to the project topic. Contact Hours:
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.
BUSS946 Information Systems Project Part 1 Spring Wollongong On Campus 6cp
Pre-requisites: Nil. Co-requisites: Restrictions: 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). Contact Hours:
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 BUSS945.
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.
BUSS947 Information Systems Project Part 2 Autumn Wollongong On Campus 6cp
Pre-requisites: Nil. Co-requisites: Restrictions: 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). Contact Hours:

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Subject Description: This subject is specifically for those who commenced their project in the previous Spring Session in BUS986.

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.

BUSS950 Systems Development Methodologies
Autumn Wollongong On Campus 6cp

Contact Hours:

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 basic tools and techniques employed across a range of system 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 synthesise and present, both verbally and in writing, a logical and cogent argument covered with questions on certain methodologies, tools, techniques, frameworks or methodological issues.

BUSS951 Critical Issues in Systems Development
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Assignments, final examination.

Contact Hours:

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 insourcing and outsourcing approaches; understand the essential elements of a Request for Proposal (RFP) and methods for evaluating RFP's.

BUSS952 Information Systems Management
Autumn Wollongong On Campus 6cp

Contact Hours:

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.
BUSS983 Advanced Information Systems-Topic C
Annual Wollongong On Campus 12cp
Pre-requisites: Nil. Co-requisites: Nil.
Exclusions: Restrictions: Assessment: Reports; assignments. Contact Hours:
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.

BUSS984 Advanced Information Systems-Topic D
Annual/Autumn/Spring Wollongong On Campus 12cp
Pre-requisites: Nil. Co-requisites: Nil.
Exclusions: Restrictions: Assessment: Reports; assignments. Contact Hours:
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.

BUSS986 Research Report
Annual/Autumn/Spring Wollongong On Campus 24cp
Pre-requisites: Nil. Co-requisites: Nil.
Exclusions: Restrictions: Assessment: Final written report and progress reports. Contact Hours:
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 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.

BUSS987 Master Thesis
Annual Wollongong On Campus 48cp
Pre-requisites: Nil. Co-requisites: Nil.
Exclusions: Restrictions: Assessment: Research thesis to be examined in accordance with University rules and regulations. Contact Hours:
Subject Description: This subject is specifically for students undertaking the Honours Master of Information Systems program by research. The subject requires individual, supervised research on an advanced information systems topic, culminating 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.

BUSS991 Research Report - Part 1
Spring Wollongong On Campus 12cp
Pre-requisites: Nil. Co-requisites: Nil.
Exclusions: Restrictions: Assessment: Work completed in this subject together with that completed in BUSS992 will be assessed as described for BUSS986. Contact Hours:
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: 12 credit points.

BUSS992 Research Report - Part 2
Annual Wollongong On Campus 12cp
Pre-requisites: Nil. Co-requisites: Nil.
Exclusions: Restrictions: Assessment: Work completed in BUSS992 together with that completed in BUSS991 will be assessed as described for BUSS986. Contact Hours:
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.

BUSS999 Doctoral Thesis
Annual Wollongong On Campus 48cp
Pre-requisites: Nil. Co-requisites: Nil.
Exclusions: Restrictions: Assessment: Research thesis to be examined in accordance with University rules and regulations. Contact Hours:
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, culminating in the submission of a thesis which demonstrates an original contribution to the field of study.
Additional Information: 48 credit points.

COMM980 Business Research Methods
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
Subject Description: 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.

MGMT907 Managerial Skills Workshop  
**Autumn**  
6cp  
**Pre-requisites:**  
**Exclusions:**  
**Assessment:**  
Contact Hours:  
Subject Description: 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.

MGMT908 Human Resources Development and the Learning Organisation  
**Spring**  
6cp  
**Pre-requisites:**  
**Exclusions:**  
**Assessment:**  
Contact Hours:  
Subject Description: This subject provides an advanced perspective on the use of Human Resource Development (HRD) in enhancing the Competitive Advantage of Organisations, by building up the Intellectual and Learning System capacities of the Organisation to cope with a rapid change, customer focused environment. The concept of the Learning Organisation will be developed through the perspective of the HRD policies and actions required to develop and change organisations through their human capital and capabilities.

MGMT910 Strategic Technology Management  
**Spring**  
6cp  
**Pre-requisites:**  
**Exclusions:**  
**Assessment:**  
Contact Hours:  
Subject Description: This subject introduces students to concepts and practical issues concerned with the strategic management of technology at both the firm and national level. Topics examined include technological change and long-term economic change; internal and external sourcing of new technologies; technology viewed as a stock and a flow of knowledge; and private and public-sector technology policies in Australia and overseas.

MGMT911 Organisational Behaviour  
**Autumn**  
6cp  
**Pre-requisites:**  
**Exclusions:**  
**Assessment:**  
Contact Hours:  
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.

MGMT915 Management of Change  
**Spring**  
6cp  
**Pre-requisites:**  
**Exclusions:**  
**Assessment:**  
Contact Hours:  
Subject Description: This subject examines the process 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; intervention strategies; planning and monitoring change; sustaining change.

MGMT916 Management and Employment Relations  
**Autumn**  
6cp  
**Pre-requisites:**  
**Exclusions:**  
**Assessment:**  
Contact Hours:  
Subject Description: The subject analyses the management of employment relationships using a number of social theories and utilising the perspectives of individuals, unions, employers and government. The impact of technical/administrative skills, political skills and culture creation on the management of work and employment relationships is assessed. These theoretical frameworks are applied to recruitment and selection, training, labour markets, job and organisational design and pay and performance policies.

MGMT920 Organisational Analysis  
**Spring**  
6cp  
**Pre-requisites:**  
**Exclusions:**  
**Assessment:**  
Contact Hours:  
Subject Description: This subject examines organisations and the development of organisation design, structure and control. Topics will include: major components of structure, determinants of strategy and organisational design. Application of theory in the areas of job design, the management of change, manage-ment of conflict, new technology, organisation-culture, and organisation-environ-ment relations will also be considered.

MGMT925 Selected Topic A  
**Autumn/Spring**  
6cp  
**Pre-requisites:**  
**Exclusions:**  
**Assessment:**  
Contact Hours:  
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.

MGMT926 Selected Topic B  
**Autumn/Spring**  
6cp  
**Pre-requisites:**  
**Exclusions:**  
**Assessment:**  
Contact Hours:  
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.

MGMT933 Management of Process Innovation 1  
**Autumn**  
6cp  
**Pre-requisites:**  
**Exclusions:**  
**Assessment:**  
Contact Hours:  
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.

MGMT940 Innovation and Entrepreneurship  
**Spring**  
6cp  
**Pre-requisites:**  
**Exclusions:**  
**Assessment:**  
Contact Hours:  
126
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.

MGMT941 Small Business Management I
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

MGMT947 Quality Management
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Business School students are not permitted to enrol in this subject
Assessment: Contact Hours:
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.

MGMT952 Production and Operations Management
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Business School students are not permitted to enrol in this subject
Assessment: Contact Hours:
Subject Description: 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.

MGMT953 Human Resource Management
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

MGMT955 Special Topic in Management
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

MGMT960 Case Study
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: An in depth analysis of a particular managerial problem encountered in a specific company or industry situation.

MGMT963 Management of Occupational Health and Safety
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: This subject examines issues associated with the establishment of programs for the effective management of Occupational Health and Safety and Rehabilitation. 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.

MGMT978 Cross Cultural Management
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: 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.

MGMT981 Research Project
Annual Wollongong On Campus 24cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description:

MGMT982 Project
Autumn/Spring Wollongong On Campus 18cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
MARKETING

MARK901 Marketing on the Internet
Spring/Summer Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.

MARK917 Business to Business Marketing
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.

MARK922 Marketing Management
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.
Additional Information: Business School students are not
permitted to enrol in this subject, without approval of the Director
of the Business School.

MARK935 Marketing Strategy
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: With the use of case studies, this subject
will examine the development and implementation of marketing
plans and strategies at the organisational level. Key issues may
include: marketing's strategic role in the organisation, marketing
strategy and competitive advantage, including marketing mix
strategies, marketing strategy formulation, implementation and
control.

MARK936 Consumer Behaviour
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.

MARK937 Relationship Marketing
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions: Assessment: Contact Hours:
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.

MARK938 Managing Services Marketing
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

MARK939 Contemporary Issues in International Marketing
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: This subject will provide both a theoretical and practical perspective to 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.

MARK940 Advertising and Promotion Strategy
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

MARK956 New Product Marketing
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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 that status of "new products executives", i.e. capable of managing the new product process from new products strategy to successful launch.

MARK957 International Marketing Strategy
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

MARK959 Sales Management
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

MARK960 Case Study
Autumn/Spring/Summer Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

MARK970 Contemporary Issues in Services Quality
Spring Wollongong On Campus 6cp
Summer Singapore Modular
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

MARK977 Research For Marketing Decisions
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: This subject is concerned with examining the techniques and principles for systematically collecting, recording, analysing 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, analysing and interpreting statistical research results.

MARK989 Special Topic b
Autumn/Spring/Summer Wollongong On Campus 12cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours: 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.

MARK990 Minor Thesis
Autumn/Spring Wollongong On Campus 24cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours: Subject Description: Additional Information: Students cannot enrol in this subject without the approval of the MQM Coordinator.

THE BUSINESS SCHOOL

TQM 913 Thesis in Quality Management
Annual Wollongong On Campus 24cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours: Subject Description: Additional Information: Students cannot enrol in this subject without the approval of the MQM Coordinator.

TQM 924 Thesis in Quality Management - Part 2
Autumn Wollongong On Campus 12cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours: Subject Description:

WBS 899 Workbased Project
Autumn Wollongong Modular 6cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours: 36-40 hours Subject Description: Additional Information: No enrolments in this subject without the approval of the Deputy Director of The Business School.

WBS 901 Accounting for Managers
Autumn/Spring Wollongong Flexible Delivery 6cp
TBS SprIntakeC Wollongong Modular
TBS AutIntakeA Wollongong Modular
SBS AutIntakeA Fri/Sat Sydney Modular
Pre-requisites: ACCY901 Co-requisites: Restrictions: Assessment: Contact Hours: 36-40 hours 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 to 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 by Distance Education.

WBS 902 Statistics for Decision Making
Autumn/Spring Wollongong Flexible Delivery 6cp
TBS AutIntakeB Wollongong Modular
TBS SprIntakeC Wollongong Modular
SBS SprIntakeC Fri/Sat Sydney Modular
Summer Dubai, Sydney Modular
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours: 36-40 hours 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 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 situation.

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/Minitab/Excel.
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. This subject is also available via Distance Education.

WBS 903 Managing People in Organisations
ASIA1 Wollongong On Campus 6cp
Spring Wollongong Flexible Delivery
TBS SprIntakeD Wollongong Modular
Summer Dubai, Sydney Modular

Pre-requisites: Co-requisites: Exclusions: MGMT906, MGMT911
Assessment: Contact Hours: 6cp

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 organisation.
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. This subject is also available via Distance Education.

WBS 904 Marketing Management
Autumn/Spring Wollongong Flexible Delivery 6cp
TBS AutIntakeB Wollongong Modular
SBS AutIntakeB Fri/Sat Sydney Modular

Pre-requisites: Co-requisites: Exclusions: MARK922
Assessment: Contact Hours: 4L, 2T per week

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 own perspectives.
4. To capture the new trends and development of marketing theory and practice.
5. To help students obtain the skills necessary to make professional presentations.

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 by Distance Education.

WBS 905 Economic Analysis of the Business Environment in Australia and Asia
Autumn/Spring Wollongong Flexible Delivery 6cp
TBS AutIntakeA Wollongong Modular

Pre-requisites: Co-requisites: Exclusions: ECON932 Economic Analysis of the Business Environment
Assessment: Contact Hours: 4L, 2T per week

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.

WBS 906 Information Systems for Managers
Autumn/Spring Wollongong Flexible Delivery 6cp
TBS AutIntakeA Wollongong Modular
SBS SprIntakeD Fri/Sat Sydney Modular

Pre-requisites: Co-requisites: Exclusions: BUSS903
Assessment: Contact Hours: Nil - Dist Educ.

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.

WBS 907 Financial Strategy
Autumn/Spring  Wollongong Flexible Delivery  6cp
TBS SprIntakeC/Summer  Wollongong Modular
SBS SprIntakeC Fri/Sat Sydney Modular
Pre-requisites: WBS901: Accounting for Managers
Exclusions: ACCY921
Restrictions: Nil - Dist.Educ/36-40 hours
Assessment: Contact Hours: 36-40hrs over 9 days
Subject Description: The introduction to this unit will start with a review of corporate goals as they relate to financial strategy. This will be followed by an introduction to key financing decisions such as capital structure and re-structure, dividend policy, company valuation, and sourcing finance. The second half of this unit will comprise case-studies that stress key elements of financial strategy.

Additional Information: All Business School subjects do not run to the 'normal' University session dates. Please check the timetable carefully. This subject is available via Distance Education.

WBS 908 Supply Chain Management Strategy
Spring  Wollongong Flexible Delivery  6cp
TBS SprIntakeC/Summer  Wollongong Modular
SBS AutIntakeA Fri/Sat Sydney Modular
Pre-requisites: Co-requisites: Nil
Exclusions: Restrictions: Nil - Dist.Educ/36-40 hours
Assessment: Contact Hours: 36-40hrs over 9 days
Subject Description: This subject explores the formation of supply chain arrangements to increase channel competitiveness. To achieve a high degree of cooperative behaviour and to improve the efficiency of the overall logistical system is one of the primary objectives of this subject. The second major objective is to develop logistical models that will eliminate waste and duplication in the system. The sharing of information within and between organisations and the joint planning between strategic business units aimed at inventory minimisation in the system are central issues that will be examined.

Subject Objectives:
1. To understand the impact of supply chain management on the success and profitability of today's business organisation
2. To explain the influence of integrated supply chain management on major functional activities, including product design, information systems, manufacturing planning, forecasting, sales, quality management and marketing.
3. To explore the major challenges faced in implementing an integrated supply chain management strategy, as well as approaches for meeting these challenges.

Additional Information: All Business School subjects do not run to the 'normal' University session dates, please check the timetable carefully.

WBS 910 Economic Analysis of Health Care
Autumn  Wollongong On Campus  6cp
Autumn  Wollongong Flexible Delivery
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours: 2L,1T per week
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 for lecture/tutorial times. This subject is also offered via Distance Education.

WBS 911 Managerial Skills Workshop
Autumn  Wollongong On Campus  6cp
Pre-requisites: Co-requisites: Restrictions: Nil
Exclusions: MGMT907
Assessment: Contact Hours: 2L, 1T per week
Subject Description: Additional Information: Business School students are advised to enrol in WBS911, but attend the MGMT907 class.

WBS 920 International Business Strategy
Spring  Wollongong Flexible Delivery  6cp
TBS AutIntakeB Wollongong Modular
TBS SprIntakeD Wollongong Modular
SBS SprIntakeE Fri/Sat Sydney Modular
SBS AutIntakeE Fri/Sat Sydney Modular
Pre-requisites: Co-requisites: Restrictions: Nil
Exclusions: WBS984, MGMT961
Assessment: Contact Hours: 36 - 40 Hrs total
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 is discussed. 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, HRM, international finance, marketing and law. Ethical and political issues are given major attention. Predominant teaching methods are case and project.

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 sessions, please check the timetable carefully. This subject is also available via Distance Education.

WBS 921 Strategic Decision Making

Autumn/Spring Wollongong Flexible Delivery 6cp
TBS SprIntakeD Wollongong Modular
TBS AutIntakeB Wollongong Modular
SBS SprIntakeC Fri/Sat Sydney Modular

Pre-requisites: Co-requisites:
Exclusions: MGMT931
Restrictions:

Assessment:
Contact Hours: 4L, 2T per week

Subject Description: This capstone unit brings together much of what students have discussed in other units, including finance, marketing and HRM. An integrated approach is taken to developing 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.

WBS 924 Management Project

Autumn Wollongong On Campus 12cp
SBS SprIntakeD Fri/Sat Sydney Modular

Pre-requisites: Co-requisites:
Exclusions: Restrictions:

Assessment:
Contact Hours: 20hrs during session

Subject Description: Students are required to present a management report, to agreed guidelines and to a maximum length of 10,000 words. This project must relate to a student's chosen area of specialisation within the MBA.

Additional Information: No enrolments in this subject without the approval of the Deputy Director of The Business School.

WBS 925 Inventory Management

TBS SprIntakeD Wollongong Modular 6cp

Pre-requisites: Co-requisites: WBS930 Production and Operation Management
Exclusions: Restrictions:

Assessment:
Contact Hours: 4L, 2T per week

Subject Description: This subject aims to provide the student with state-of-the-art knowledge of inventory management theory and practice. Topics included will be as follows: materials management; management of storage and retrieval facilities; types of inventory problems; measuring inventory performance; inventory management systems for independent demand items; influence of forecasts and uncertainties of demand and lead time; dependent demand inventory systems; multi-echelon inventory management; decision models for inventory management; simulation models of inventory management systems; and case studies of world-class inventory management.

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 demand inventory; Explain how forecast errors and variability in demand and lead time create a need for safety stocks; Explain the management decisions 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.

WBS 926 Manufacturing Management

TBS SprIntakeD Wollongong Modular 6cp

Pre-requisites: Co-requisites:
Exclusions: Restrictions:

Assessment:
Contact Hours: 4L, 2T per week

Subject Description: Manufacturing industry dynamics and manufacturing strategy, value adding in manufacturing, materials flow, manufacturing planning and control including MRP II, ERP, JIT and OPT; Maintenance management, supply procurement, distribution quality control, assurance and improvement, manufacturing information technology, performance management, concept of lean and agile manufacturing. Students are expected to undertake a substantial mini-project that is usually case-based, preferably on an aspect of the student's work experience.

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.

WBS 928 Transport Logistics Management

Summer Wollongong On Campus 6cp
TBS SprIntakeC Wollongong Modular

Pre-requisites: Co-requisites:
Exclusions: Restrictions:

Assessment:
Contact Hours: 4L, 2T per week

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
Subject Description: Management is widespread. It falls not only on service firms but also on service wherever it may be found. Over the decades, the line that separates manufacturing and service has become more and more blurred. This subject will emphasise three themes. First, this subject is devoted to the management of service operations. Second, for services the process is the product and, therefore, marketing and strategic issues cannot be separated from operations, which in turn cannot ignore behavioural issues associated with customer contact. Finally, information technology is recognised as the enabler of continuous improvement in productivity and quality services.

Additional Information: All Business School subjects do not run to the "normal" University session dates, please check the timetable carefully.

WBS 933 Procurement Policy and Management
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions:
Assessment:
Contact Hours: 4L, 2T per week
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 responsibility 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.

Additional Information: All Business School subjects do not run to the 'normal' University session dates, please check the timetable carefully.

WBS 945 MBA Project
Autumn/Spring Wollongong On Campus 18cp
Pre-requisites: Co-requisites: Exclusions: Restrictions:
Assessment:
Contact Hours: To be advised.
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.

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.
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.

**WBS 953 Management of Service Quality**
- **TBS SprlnTakeC** Wollongong Modular 6cp
- **SBS SprlnTakeD Fri/Sat** Sydney Modular

**Pre-requisites:** WBS950: Quality Systems for Competitive Advantage

**Co-requisites:** WBS 950: Quality Systems for Competitive Advantage

**Exclusions:**

**Restrictions:**

**Assessment:**
**Contact Hours:** 42 hours

**Subject Description:** This course identifies and examines the framework of understanding from which the Management of Service Quality can be analysed and improved, as a contribution to the long term Competitive Advantage of Organisations in rapid change economies. 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.

**WBS 954 Quality Management and Design**
- **Autumn** Wollongong Flexible Delivery 6cp
- **SBS SprlnTakeD Fri/Sat** Wollongong Flexible Delivery
- **TBS SprlnTakeD** Wollongong Modular

**Pre-requisites:** WBS950: Quality Systems for Competitive Advantage

**Co-requisites:**

**Exclusions:**

**Restrictions:**

**Assessment:**
**Contact Hours:** 42 hours

**Subject Description:** This course emphasises the application of organisation level improvement techniques in the effective management of Learning Organisations in a post industrial rapid change economy. Issues covered emphasise Organisational Performance Measurement (OPM) and improvement, and develop intellectual frameworks for: the contribution of good design to

the effective management of quality systems in organisations; the establishment of new styles of competitive advantage through quality systems in Learning Organisations; using OPM to improve specific quality environments and the development of case studies for good organisational design; coverage of methodologies for designing and integrating quality into organisational systems, and a futures perspective 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.

**WBS 975 Thesis in Quality Management**
- **Annual** Wollongong On Campus 48cp

**Pre-requisites:**

**Co-requisites:**

**Exclusions:**

**Restrictions:**

**Assessment:**

**Contact Hours:** Refer to TBS

**Subject Description:**

**Additional Information:** No enrolments in this subject without the approval of the Deputy Director of The Business School.

**WBS 980 International Financial Analysis and Decision Making**
- **TBS AutlntakeA** Wollongong Modular 6cp
- **TBS SprlnTakeD** Wollongong Modular
- **SBS AutlntakeB Thurs** Sydney Modular
- **SBS AutlntakeB Fri/Sat** Sydney Modular

**Pre-requisites:**

**Co-requisites:**

**Exclusions:** ACCY905

**Restrictions:**

**Assessment:**

**Contact Hours:** 4L, 2T per week

**Subject Description:** This subject introduces students to financial management in an international context. In any one semester, 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 foreign direct investments; international working capital management; investment decision making in an international context, including country risk analysis; international aspects of controlling, reporting and performance analysis; effects of government regulation on management decision making.

**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.

**WBS 981 Employment Relations in an International Context**
- **TBS SprlnTakeC** Wollongong Modular 6cp
- **SBS AutlntakeA Fri/Sat** Sydney Modular
- **SBS SprlnTakeD Fri/Sat** Sydney Modular
- **SBS AutlntakeA Tue** Sydney Modular
- **SBS SprlnTakeD Tue** Sydney Modular
- **TBS AutlntakeA** Singapore On Campus

**Pre-requisites:**

**Co-requisites:**

**Exclusions:**

**Restrictions:**

**Assessment:** Refer to subject outline.

**Contact Hours:** 4L, 2T per week
Subject Description: This subject, while useful for all students, is particularly relevant for those working or seeking work in multinational corporations. It combines the literatures on comparative international industrial relations and human resource management in multinational corporations. It begins by examining the major structural and regulatory factors facing human resource managers of multinational corporations: labour markets, national and international regulatory frameworks, union movements and employer organisations. The rest of the subjects examines important areas of human resource management with a particular emphasis on cross-national and cross-cultural aspects.

Subject Objectives: On completion of this subject, the student should be able to:
1. Demonstrate a more sophisticated understanding of organisational analysis and the management function.
2. Demonstrate an understanding of key concepts and applications in selected topics of organisational behaviour - culture, leadership, motivation, groups and team processes.
3. Demonstrate an understanding of key concepts and applications in selected topics of human resource management - recruitment and selection, performance appraisal and management, and remuneration systems.

Additional Information: All Business School subjects do not run to the "normal" University session dates. Please check the timetable carefully.

WBS 982 Advertising and Marketing in a Global Economy
TBS AutIntakeB Wollongong Modular 6cp
SBS SprIntakeC Tue Sydney Modular
SBS SprIntakeC Fri/Sat Sydney Modular
Summer Singapore Modular

Exclusions: Co-requisites: Restricted: Assessment:
Contact Hours: 36 - 40 Hrs total
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 marketing information systems and research; market entry mode strategies; exporting, 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.
WBS 990  Special Topic in Business  
**Autumn/Spring/Summer Wollongong On Campus  6cp**

**Pre-requisites:**  
**Co-requisites:**  
**Exclusions:**  
**Restrictions:**  
**Assessment:**  
**Contact Hours:**  

**Subject Description:** Topic to be approved by the Director of the Business School.

**Additional Information:** Students are not permitted to enrol in this subject without the approval of the Director, Business School.

WBS 991  Management Project - Part 1  
**Autumn/Spring Wollongong On Campus  6cp**

**Pre-requisites:**  
**Co-requisites:**  
**Exclusions:**  
**Restrictions:**  
**Assessment:**  
**Contact Hours:**  

**Subject Description:**

WBS 992  Management Project - Part 2  
**Autumn/Spring/Summer Wollongong On Campus  6cp**

**Pre-requisites:**  
**Co-requisites:**  
**Exclusions:**  
**Restrictions:**  
**Assessment:**  
**Contact Hours:**  

**Subject Description:**
COURSES OFFERED

The Faculty of Creative Arts offers postgraduate courses in
Creative Writing,
Music,
Theatre,
Visual Arts,
Graphic Design
New Media and Journalism.

The following courses are available in
Creative Writing,
Music, Theatre,
Visual Arts,
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 2D and 3D Studio Practice 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 information can be viewed at the faculty's Web site.

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).

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.

**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 as previously listed. 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: development of practical work and its documentation; preparation of creative work; research and writing relevant to the student's work; and 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 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

POSTGRADUATE PROGRAM IN MUSIC COMPOSITION
MUS914 Major Presentation - Music Composition
MUS910 Minor Thesis Music
MUS915 Studies in Composition Technique

POSTGRADUATE PROGRAM IN MUSIC PERFORMANCE
MUS913 Major Presentation - Music Performance
MUS910 Minor Thesis Music
MUS912 Studies in Performance Technique

POSTGRADUATE PROGRAM IN THEATRE
THEA913 Major Presentation - Theatre
THEA910 Theatre Analysis
THEA911 Advanced Techniques in Theatre

POSTGRADUATE PROGRAM IN VISUAL ARTS
VIS913 Major Presentation - Visual Arts
VIS910 Visual Arts Theory
VIS911 Studies in Process and Analysis: Visual Arts

OTHER SUBJECTS
CREA950 Aesthetics: Design Application
CREA951 Aesthetics: Sound Application
GRADUATE SCHOOL OF JOURNALISM

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
1. 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. 2. To give journalists with professional experience an opportunity to acquire a postgraduate qualification and develop a specialist area of interest. 3. To stimulate research in the areas listed above.

FLEXIBLE DELIVERY
Distance education courses are offered by the Graduate School of Journalism through Wollongong OnLine (WOL). Both the Graduate Certificate in Multicultural Journalism and the Master of Journalism are available through WOL. The School also offers a flexible delivery approach to cater to different student needs. Students can study on campus, by distance education, via interactive learning or any combination of these methods.

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: uniadvice@uow.edu.au. Course details can be viewed at the Journalism web site: For specific information please contact the School on 02 42213190.

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 Centre for Continuing and Community Education CCCE - Room A0732 30 Good Shephard Street Ho Man Tin Kowloon Hong Kong Telephone: 2768 5914 or 2768 5911 Facsimile: 23818456 Email: cce@oliv1.ouhk.hk. For information about courses in other countries please contact the Head of the Graduate School of Journalism on 02 42213190.

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 CREA940 Doctoral Thesis Creative Arts. Comments and questions should be directed to Student Enquiries

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 I, or higher, or a Masters at Pass level either in journalism or in a related area, or possess equivalent qualifications. 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, or 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
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 given for completion of equivalent subjects in a comparable course. Exemption from core subjects may be granted by the Head on the basis of documented professional experience.

(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. 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 ELS subjects as part of their course.

Subjects Leading to the Master of Journalism.

**Compulsory Core Subjects:**
- JOUR901 News and Feature Writing*
- JOUR902 Journalistic Method and Practice*
- JOUR903 Ethics, Law and Standards*
- JOUR933 On-Line and Research Journalism*

**Elective Subjects:**
- JOUR905 Specialist Journalism 1
- JOUR906 Specialist Journalism 2
- JOUR931 Broadcasting Journalism*
- JOUR932 Television Journalism*
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;
(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.

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 through Wollongong OnLine (WOL).

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.
CREE920 Masters Thesis Creative Arts
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites: Exclusions: Restrictions:
Assessment: By two external assessors. Submission will be in the form of a scholarly thesis (100%) or scholarly thesis (50%) combined with creative work (50%).
Contact Hours: 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 WRT913 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.

CREE921 Preliminary Topics in Creative Arts
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites: Exclusions: Restrictions:
Assessment: By two internal assessors.
Contact Hours: 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).

CREE930 Doctoral Presentation Creative Arts
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites: Exclusions: Restrictions:
Assessment: By two external assessors.
Contact Hours: 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.

CREE940 Doctoral Thesis Creative Arts
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites: Exclusions: Restrictions:
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%).
Contact Hours:

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.

DES 910 Graphic Design and New Media Theory
Annual/Winter/Spring Wollongong On Campus 12cp
Pre-requisites: Co-requisites: Exclusions: Restrictions:
Assessment: By two internal assessors.
Contact Hours: 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.

DES 911 Minor Thesis Graphic Design and New Media
Annual/Winter/Spring Wollongong On Campus 12cp
Pre-requisites: Co-requisites: Exclusions: Restrictions:
Assessment: By two internal assessors.
Contact Hours: 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.

DES 913 Major Presentation - Graphic Design and New Media
Annual Wollongong On Campus 24cp
Pre-requisites: Co-requisite: DES910 and DES911
Assessment: By at least one internal and one external assessor.
Contact Hours: 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).

**MUS 910 Minor Thesis Music**  
*Annual/Autumn/Spring, Wollongong On Campus*  
**12cp**  
**Pre-requisites:** Co-requisites:  
**Exclusions:** Restrictions:  
**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.  
**Contact Hours:**  
**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.

**MUS 912 Studies in Performance Technique**  
*Annual/Autumn/Spring, Wollongong On Campus*  
**12cp**  
**Pre-requisites:** Co-requisites:  
**Exclusions:** Restrictions:  
**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.  
**Contact Hours:**  
**Subject Description:** Students will attend and participate in a performance seminar and will participate, where requested, in Faculty ensembles.

**MUS 913 Major Presentation - Music Performance**  
*Annual, Wollongong On Campus*  
**24cp**  
**Pre-requisites:** Pre or Co-requisite: MUS910 and MUS912  
**Co-requisites:** Pre or Co-requisite: MUS910 and MUS912  
**Exclusions:** Restrictions:  
**Assessment:** By at least one internal and one external assessor (1)  
**Contact Hours:**  
**Subject Description:** (1) A 50 minute recital of major works from the instrumental or vocal repertoire, given in Spring session of a student's 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 concerto 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.

**MUS 914 Major Presentation - Music Composition**  
*Annual, Wollongong On Campus*  
**24cp**  
**Pre-requisites:** Pre or Co-require: MUS910 and MUS915  
**Co-requisites:** Pre or Co-requisite: MUS910 and MUS915  
**Exclusions:** Restrictions:  
**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.  
**Contact Hours:**  
**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).

**MUS 915 Studies in Composition Technique**  
*Annual/Autumn/Spring, Wollongong On Campus*  
**12cp**  
**Pre-requisites:** Co-requisites:  
**Exclusions:** Restrictions:  
**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.  
**Contact Hours:**  
**Subject Description:** Students will participate in composition seminars and workshops, and in Faculty ensembles as requested.

**THEA910 Theatre Analysis**  
*Annual/Autumn/Spring, Wollongong On Campus*  
**12cp**  
**Pre-requisites:** Co-requisites:  
**Exclusions:** Restrictions:  
**Assessment:** By two internal assessors and will consist of a 10,000 word essay.  
**Contact Hours:**  
**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 theatrical based performance.

**THEA911 Advanced Techniques in Theatre**  
*Annual/Autumn/Spring, Wollongong On Campus*  
**12cp**  
**Pre-requisites:** Co-requisites:  
**Exclusions:** Restrictions:  
**Assessment:** By two internal assessors and will consist of a 10,000 word essay.  
**Contact Hours:**  
**Subject Description:** Using the resource obtained through THEA910, the student will evolve a thesis that directly relates the historical analysis and the development of experimental or new technologies and methodologies with the intention and process of the proposed major presentation. All work must be submitted by the last teaching week of session.

**THEA913 Major Presentation - Theatre**  
*Annual, Wollongong On Campus*  
**24cp**  
**Pre-requisites:** Pre or Co-require: THEATHEA910 and THEA911  
**Co-requisites:** Pre or Co-require: THEATHEA910 and THEA911  
**Exclusions:** Restrictions:  
**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.  
**Contact Hours:**
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).

VIS 910  Visual Arts Theory
Annual/Autumn/Spring  Wollongong On Campus  12cp
Pre-requisites:  Co-requisites:  Restrictions:  
Assessment:  By two internal assessors and will be by presentation of two essays of approximately 4,000 words each on topics related to the seminar series and after consultation with the lecturer.

Contact Hours:  
Subject Description: This subject aims to explore contemporary arts practice and theory in order that students may place their own work within the broader contexts of arts practices, and the debates and developments in the visual arts and cultural theory. The student's research will address theoretical issues related to their practice, and analyse the work of other relevant artists.

VIS 911  Studies in Process and Analysis
Annual/Autumn/Spring  Wollongong On Campus  12cp
Pre-requisites:  Co-requisites:  Restrictions:  
Assessment:  By two internal assessors

Contact Hours:  
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, may take the form of an exhibition catalogue. Students will present a seminar on visual processes in the context of their field. Students will be expected to work at an advanced level and with a high degree of independence in their chosen studio discipline. They will consult with their supervisor(s) on a regular basis.

VIS 913  Major Presentation - Visual Arts
Annual  Wollongong On Campus  24cp
Pre-requisites:  Pre or Co-Requisite: VIS910 and VIS911  Co-requisites:  Pre or Co-Requisite: VIS910 and VIS91
Exclusions:  Restrictions:  
Assessment:  By at least one internal and one external assessor.

Contact Hours:  
Subject Description: Students will present a substantial exhibition of work that reflects technical skill, knowledge and use of materials, and an ability to develop, sustain and execute original ideas in a cohesive and thematic way. Preparation of the major presentation should occupy students for at least four hours per day for the period of enrolment. As an example of content, painters should submit at least eight major pieces plus drawings and supporting material of 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).

WRIT910  Analysis of Text
Annual  Wollongong On Campus  12cp
Pre-requisites:  Co-requisites:  Exclusions:  Restrictions:  
Assessment:  By two internal assessors and will be by presentation of two essays of approximately 4,000 words each on topics related to the seminar series and after consultation with the lecturer.

Contact Hours:  
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. The subject aims to develop and refine the ability to trace in detail the relationship between the effects gained by a text and the techniques of writing used to achieve them. 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.

WRIT911  Literary Composition
Spring  Wollongong On Campus  12cp
Pre-requisites:  Co-requisites:  Exclusions:  Restrictions:  
Assessment:  By two internal assessors and will be by presentation of two essays of approximately 4,000 words each on topics related to the seminar series and after consultation with the lecturer.

Contact Hours:  
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 effects they were seeking in their writing and to describe and evaluate the techniques they have employed to achieve those effects.

WRIT913  Major Presentation - Creative Writing
Annual  Wollongong On Campus  24cp
Pre-requisites:  Pre or Co-Requisite: WRIT910 and WRIT911  Co-requisites:  Pre or Co-Requisite: WRIT910 and WRIT911
Exclusions:  Restrictions:  
Assessment:  By at least one internal and one external examiner.

Contact Hours:  
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).
JOUR901 News and Feature Writing
Autumn/Spring Wollongong On Campus 6cp
Annual Wollongong Flexible Delivery
Autumn Hong Kong Flexible Delivery
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment:
Contact Hours: 3 hrs 1 day per week
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.
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 MORE INFORMATION ABOUT JOURNALISM COURSES GO TO THE JOURNALISM WEB SITE: http://www.uow.edu.au/crearts/journalism/

JOUR902 Journalistic Method & Practice
Autumn Wollongong On Campus 6cp
Annual Wollongong Flexible Delivery
Autumn Hong Kong Flexible Delivery
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment:
Contact Hours: 3 hrs 1 day per week
Subject Description: This subject considers the basic attributes of news, the nature of news construction, theories of news making and the structure of news narratives. It takes students through the process of initiating to the completion of a news assignment. Practical areas of discussion are: the structure and conventions of a news round, use of recording devices, interview techniques, working with photographers and camera teams, packaging of news copy, news construction, follow-ups and news management.
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 MORE INFORMATION ABOUT JOURNALISM COURSES GO TO THE JOURNALISM WEB SITE: http://www.uow.edu.au/crearts/journalism/

JOUR903 Ethics, Law and Standards
Autumn Wollongong On Campus 6cp
Annual Wollongong Flexible Delivery
Spring Hong Kong Flexible Delivery
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment:
Contact Hours: 3 hrs 1 day per week
Subject Description: This subject examines the legal and ethical framework which governs the work of journalists. It considers the nature, efficacy and administration of ethical codes relevant to journalism, particularly the Media Entertainment and Arts Alliance (MEAA) Code of Ethics and the Australian Press Council's Statement of Principles. Other aspects of professional conduct and professional standards considered include guarding against defamation actions; libel laws; breach of privacy; confidentiality; protection of sources; standards of accuracy, fairness and subjectivity in journalism.

JOUR905 Specialist Journalism 1
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment:
Contact Hours: 3 hrs 1 day per week
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. NOTE: 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.
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.

JOUR906 Specialist Journalism 2
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment:
Contact Hours: 3 hrs 1 day per week
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.
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.

JOUR931 Broadcasting Journalism
Autumn/Spring Wollongong On Campus 6cp
Annual Wollongong Flexible Delivery
Spring Hong Kong Flexible Delivery
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment:
Contact Hours: 3 hrs 1 day per week
Subject Description: JOUR931 Broadcasting Journalism. This subject provides advanced skills in script writing, editing, producing and presenting radio news and current affairs programs. The course has a strong practical component and will involve access to and use of a radio studio.
Additional Information:
1. This is an elective subject for the Master of Journalism (MJ) and Graduate Certificate in Multicultural Journalism.
2. For the MJ both JOUR901 and JOUR933 MUST BE completed before commencing this subject.
3. For the GRAD CERT generally the core subjects should be completed first i.e. JOUR903, JOUR933 and JOUR949. FOR MORE INFORMATION ABOUT JOURNALISM COURSES GO TO THE JOURNALISM WEB SITE: http://www.uow.edu.au/crearts/journalism/

JOUR932 Television Journalism

Autumn/Spring Wollongong On Campus 6cp
Annual Wollongong Flexible Delivery
Spring Hong Kong Flexible Delivery

Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:

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.

Additional Information:
1. This is an elective subject for the Master of Journalism (MJ) and Graduate Certificate in Multicultural Journalism.
2. For the MJ both JOUR901 and JOUR933 MUST BE completed before commencing this subject.
3. NOTE: This subject provides the foundation for JOUR942 Current Affairs Journalism and must therefore be completed first.
4. For the GRAD CERT generally the core subjects should be completed first i.e. JOUR903, JOUR933 and JOUR949. FOR MORE INFORMATION ABOUT JOURNALISM COURSES GO TO THE JOURNALISM WEB SITE: http://www.uow.edu.au/crearts/journalism/

JOUR933 On-Line and Research Journalism

Autumn/Spring Wollongong On Campus 6cp
Annual Wollongong Flexible Delivery
Autumn Hong Kong Flexible Delivery

Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours: 3 hrs 1 day per week

Subject Description: JOUR933 OnLine & Research Journalism. This subject is designed to develop a range of research and journalism investigative methods. It will include the use of online data bases, the Internet, library and archive work and other sources of public information. The use of survey material in journalism will be studied, particularly the presentation of this data in a news format. The organisation of news investigation sources of public information. The use of survey material in journalism and 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.

Additional Information:
1. This is one of the four core subjects for the Master of Journalism (MJ) and Graduate Certificate in Multicultural Journalism. BOTH JOUR901 and JOUR933 MUST BE COMPLETED SUCCESSFULLY BEFORE COMMENCING ANY ELECTIVES.
2. For the Graduate Certificate in Multicultural Journalism this is one of three core subjects and generally should be completed before the one elective subject. FOR MORE INFORMATION ABOUT JOURNALISM COURSES GO TO THE JOURNALISM WEB SITE: http://www.uow.edu.au/crearts/journalism/

JOUR934 Print Production and Publication

Spring Wollongong On Campus 6cp
Annual Wollongong Flexible Delivery
Autumn Hong Kong Flexible Delivery

Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:

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.

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. FOR MORE INFORMATION ABOUT JOURNALISM COURSES GO TO THE JOURNALISM WEB SITE: http://www.uow.edu.au/crearts/journalism/

JOUR936 International Journalism

Spring Wollongong On Campus 6cp
Annual Wollongong Flexible Delivery
Spring Hong Kong Flexible Delivery

Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours: 3 hrs 1 day per week

Subject Description: JOUR936 International Journalism. 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 orientated journalism.

Additional Information:
1. This is an elective subject for the Master of Journalism (MJ) and Graduate Certificate in Multicultural Journalism.
2. For the MJ both JOUR901 and JOUR933 MUST BE completed before commencing this subject.
3. For the GRAD CERT generally the core subjects should be completed first i.e. JOUR903, JOUR933 and JOUR949. FOR MORE INFORMATION ABOUT JOURNALISM COURSES GO TO THE JOURNALISM WEB SITE: http://www.uow.edu.au/crearts/journalism/

JOUR942 Current Affairs Journalism

Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours: 3 hrs 1 day per week

Subject Description: JOUR942 Current Affairs Journalism. This subject provides practical instruction in the preparation of current affairs programs in radio, television and multi-media. A simulated producer journalist environment will provide opportunities for specialisation in one of the three media areas. NOTE: Students are advised to complete Television Journalism JOUR932 prior to commencing this subject.

Additional Information:
1. This is an elective subject for the Master of Journalism (MJ).
2. The core subjects JOUR901 and JOUR933 MUST BE completed before commencing this subject.
3. NOTE: JOUR932 Television Journalism provides the foundation for this subject and should be completed first.

JOUR943 Directed Readings in Journalism

Autumn/Spring/Summer Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours: Directed read's/tut.
Subject Description: JOUR943 Directed Readings in Journalism. 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.

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.

JOUR945 Advanced Journalism Project
Autumn/Spring/Summer Wollongong On Campus 6cp
Annual Wollongong Flexible Delivery
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment:
Contact Hours: Directed res./consul
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.

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.

JOUR949 Multicultural Journalism
Autumn/Spring Wollongong On Campus 6cp
Annual Wollongong Flexible Delivery
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment:
Contact Hours: 3 hrs 1 day per week
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.

Additional Information:
1. This is an elective subject for the Master of Journalism (MJ) both core subjects JOUR901 and JOUR933 MUST BE completed before commencing this subject.
2. For the Graduate Certificate in Multicultural Journalism this is one of three core subjects and generally should be completed before the one elective subject.

JOUR991 Major Journalism Project
Autumn/Spring/Summer Wollongong On Campus 12cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: JOUR991 Major Journalism Project. This subject is designed to give students the opportunity to undertake either a major research project or substantial supervised practical work. In particular, it allows students to complete an internship with a media organisation. Such placement should generally have a minimum duration of 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.

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.

JOUR992 Major Journalism Presentation
Autumn/Summer/Spring Wollongong On Campus 24cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

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.

JOUR999 Thesis
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.
FACULTY OF EDUCATION

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 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 Education
Doctor of Philosophy
Honours Master of Arts
Honours Master of Education
Master of Education
Master of Teaching Studies
Graduate Diploma in Adult Education and Training
Graduate Diploma in Education
Graduate Diploma in TESOL
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 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 2000 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 Any student who is unsure of their course progression should consult the Teaching Program Coordinator for their specialisation regarding their enrolment in 2000. 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

ADHD
Curriculum change and professional development in the Pacific Curriculum development and evaluation Educational information systems Educational policy and planning in Australia, the Asia-Pacific region and the
OECD countries Equity in education Gender, physical activity and physical education Information technology in education and training Interactive multimedia, design and evaluation Intercultural communication in education Literacy development in education including functional language studies Literacy education and teacher development Outdoor education Performance technology and adult learning Policies for health and physical education Professional development of teachers Social and cultural context of education Talented and gifted education Members of the Graduate School of Education undertake research either individually or under the auspices of one of the three research groups in the Faculty funded by the University's research development program.

Research students are encouraged to discuss their work with staff involved in similar research, and to participate in activities organised by the research groups. These are: the Research Program in Interactive Learning Environments (RILE) (Co-ordinator: Assoc Professor Barry Harper):

The Program focuses upon the design and development of motivating learning environments for effective performance, employing interactive multimedia and network-based learning. Members of the Program have wide ranging interests in the related policy and implementation issues within education and training contexts, nationally and internationally. It is a member Program of the Telecommunications and Information Technology Research Institute of the University. The Research Group, Social Literacy (Co-ordinators: Dr Bev Derewianka and Dr Wilma Vialle) The Social Literacy Research Group consists of members from the Departments of Education, English and Modern Languages. It is concerned with the study of how meaning is constructed at home, in schools, including classroom and curriculum studies, and in other social institutions. Its research areas include language and learning across the curriculum; literacy and first and second language education, in school and other social settings; studies in semiotics and discourse; computer based learning; and studies concerning access to educational and social opportunities for specific cultural groups. The Research Group, Learning and Teaching (Coordinator: Dr Christine Fox), focuses on enhancing research into contexts of learning and teaching from pre-school to higher education and adult education. Group members include researchers in the Faculties of Arts, Commerce, Education, Engineering, Health and Behavioural Sciences, Law and Science, and researchers in learner support areas including CEDIR, Student Support Services and the Library. Areas of interest include intercultural and international aspects of curriculum policy, programs and evaluation, communication, information literacies, innovative assessment, information technology and flexible delivery, computer based learning and problem-based learning in higher education.

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 2000 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 TEFL)

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 Bachelors 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.

COURSE CHARGES:

The EdD program is a HECS paying program for Australian citizens studying on campus. University HECS exemptions scholarships are available for Doctoral candidates who are within the permitted TIME LIMITS.

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 Head of the Graduate School of Education.
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.

PATTERN OF STUDY
The program for the degree will require successful completion of:

(1) at least 48 credit points of subjects including:

a) at least 24 credit points from one Program in line with the requirements for that Program.
b) 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.
c) 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 Program co-ordinator.

(ii) 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 Head of the Graduate School 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) 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 and 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:

- **EDGH911** Instructional Design for Adult Learning* 6
- **EDGH912** Project for Instructional design for Adult Learning 2
- **EDGH921** Evaluation and Assessment for Adult Learning 6
- **EDGH922** Project for Evaluation and Assessment for Adult Learning 2
- **EDGH923** Adult Learning Strategies and Communication 6
- **EDGH924** Project for Adult 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

*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:

- **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

(3) Information Technology in Education and Training

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
- **EDGI931** Interactive Multimedia Design 6
- **EDGI932** Project for EDGI931 2
- **EDGI933** Implementation and evaluation of technology-based learning 6
- **EDGI934** Project for EDGI933 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
EDGH931 Psychology of Adult Learning

(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
EDGL901 Foundations of Educational Leadership

(5) Physical and 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 &amp; 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
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#
EDGA978 Literacy practices for diverse needs#
EDGL901 Foundations of Educational leadership

# 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:

(i) 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:

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

* Compulsory subject for specialisation in TESOL
[#] Available by distance education only

(8) Research Methodology and 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 course work component of the EdD as explained above in the section Patterns of Study.

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.

Course Charges:
The PhD program is a HECS paying program for Australian citizens studying on campus. University HECS exemptions scholarships are available for Doctoral candidates who are within the permitted time limits. full-time study (3-4 years of full-time study).

Pattern of Study

Candidates for this degree enrol in a Doctoral Thesis, subject number EDGZ909. Interested candidates should contact the Head of the Graduate School of Education 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.

Honours Master Of Arts

Candidates for the degree who have completed a Bachelors 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 EDGZ905. Interested candidates should contact the Head of the Graduate School of Education.

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[Hons]) 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 CHARGES:
The MEd(Hons) program is a HECS paying program for Australian citizens studying on campus.

PATTERNS OF STUDY
Either
EDGZ905 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:
EDGZ905 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.

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 Head of the Graduate School of Education.

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.

COURSE CHARGES:
The MEd is a fee-paying program. Fees for on-campus programs in 2000 will be $138.54 per credit point. ($831.24 per 6cp subject).

The MEd is also available by distance education in the specialisations of Literacy, TESOL and Information Technology as a fee-paying program.

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 (Hons) 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. (e.g. 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 (Hons), provided they meet the program requirements for students who do not have a research component in the MEd (see MEd (Hons) 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.

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 Head of the Graduate School.

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 Head of the Graduate School.

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.
(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)
Session Five/Six
Part time Remaining coursework requirements

Specialisations are available in the areas of:
Program: Adult Education and Training

EDGH911 Instructional Design for Adult Learning* 6
EDGH912 Project for Instructional design for Adult Learning 2
EDGH921 Evaluation and Assessment for Adult Learning 6
EDGH922 Project for Evaluation and Assessment for Adult Learning 2
EDGH923 Adult Learning Strategies and Communication 6
EDGH924 Project for Adult 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

*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-Not available in 2000

EDGE910 Early Childhood Curriculum Theory and Practice*
EDGE911 Child Development*
EDGE913 Music Education in Early Childhood
EDGA970 Early language and literacy development
EDGA987 Children's literature
EDGA971 Assessment and evaluation of language and literacy
EDGS918 Approaches to reading difficulties: theories and strategies
EDGS924 Giftedness in special populations

* 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
Students should discuss their proposed course of study with the Program Co-ordinator Professor Michael Hough.

**Program: Information Technology in Education and Training**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDGI911</td>
<td>Information Technology in education and training*</td>
<td>6</td>
</tr>
<tr>
<td>EDGI912</td>
<td>Project for EDGI911</td>
<td>2</td>
</tr>
<tr>
<td>EDGI913</td>
<td>Instructional strategies and authoring#</td>
<td>6</td>
</tr>
<tr>
<td>EDGI914</td>
<td>Project for EDGI913</td>
<td>2</td>
</tr>
<tr>
<td>EDGI915</td>
<td>Network-Based Learning</td>
<td>6</td>
</tr>
<tr>
<td>EDGI916</td>
<td>Project for EDGI915</td>
<td>2</td>
</tr>
<tr>
<td>EDGI931</td>
<td>Interactive Multimedia Design</td>
<td>6</td>
</tr>
<tr>
<td>EDGI932</td>
<td>Project for EDGI931</td>
<td>2</td>
</tr>
<tr>
<td>EDGI933</td>
<td>Implementation and evaluation of technology-based learning</td>
<td>2</td>
</tr>
<tr>
<td>EDGI934</td>
<td>Project for EDGI933</td>
<td>2</td>
</tr>
<tr>
<td>EDGI951</td>
<td>Cognition and Interface Design</td>
<td>2</td>
</tr>
<tr>
<td>EDGI952</td>
<td>Project for EDGI952</td>
<td>2</td>
</tr>
<tr>
<td>EDGI953</td>
<td>Current Issues in Information Technology in Education and Training</td>
<td>2</td>
</tr>
<tr>
<td>EDGI954</td>
<td>Project for EDGI954</td>
<td>2</td>
</tr>
<tr>
<td>EDGI955</td>
<td>Research in Learning Environments</td>
<td>6</td>
</tr>
<tr>
<td>EDGI956</td>
<td>Project for EDGI956</td>
<td>2</td>
</tr>
<tr>
<td>EDGI957</td>
<td>(Un)Intelligent Computer Mediated Learning Systems</td>
<td>6</td>
</tr>
<tr>
<td>EDGI958</td>
<td>Project for EDGI957</td>
<td>2</td>
</tr>
</tbody>
</table>

*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**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDGA970</td>
<td>Language and literacy development [#]</td>
<td>8</td>
</tr>
<tr>
<td>EDGA971</td>
<td>Assessment and evaluation of language and literacy</td>
<td>8</td>
</tr>
<tr>
<td>EDGA976</td>
<td>Text and Context</td>
<td>8</td>
</tr>
<tr>
<td>EDGA977</td>
<td>Communication and learning</td>
<td>8</td>
</tr>
<tr>
<td>EDGA978</td>
<td>Literacy practices for diverse needs#</td>
<td>8</td>
</tr>
<tr>
<td>EDGA987</td>
<td>Children’s literature</td>
<td>8</td>
</tr>
<tr>
<td>EDGR911</td>
<td>Teaching Reading*</td>
<td>8</td>
</tr>
<tr>
<td>EDGR912</td>
<td>Teaching Writing*</td>
<td>8</td>
</tr>
</tbody>
</table>

*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 and Health Education**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDGA920</td>
<td>Curriculum Problems and Issues in Physical and Health Education</td>
<td>8</td>
</tr>
<tr>
<td>EDGA921</td>
<td>Studies in the Scientific Bases of Health Education and Health Promotion</td>
<td>8</td>
</tr>
<tr>
<td>EDGA923</td>
<td>Sport, Culture and Education</td>
<td>8</td>
</tr>
<tr>
<td>EDGA924</td>
<td>Adolescent Health Status and Behaviour</td>
<td>8</td>
</tr>
<tr>
<td>EDGP910</td>
<td>Theory &amp; Practice of Outdoor Education</td>
<td>6</td>
</tr>
<tr>
<td>EDGP911</td>
<td>Project for EDGP910</td>
<td>2</td>
</tr>
<tr>
<td>EDGP912</td>
<td>Facilitation Techniques in Outdoor Education</td>
<td>6</td>
</tr>
<tr>
<td>EDGP913</td>
<td>Project for EDGP912</td>
<td>2</td>
</tr>
<tr>
<td>EDGP930</td>
<td>Theoretical and Practical Bases of Coach Education</td>
<td>6</td>
</tr>
<tr>
<td>EDGP931</td>
<td>Project for EDGP930</td>
<td>2</td>
</tr>
<tr>
<td>EDGP932</td>
<td>Issues in Coach Education and Sport Management</td>
<td>6</td>
</tr>
<tr>
<td>EDGP933</td>
<td>Project for EDGP932</td>
<td>2</td>
</tr>
<tr>
<td>EDGP990</td>
<td>Practicum in a Learning Environment</td>
<td>6</td>
</tr>
<tr>
<td>EDGP991</td>
<td>Project for EDGP990</td>
<td>2</td>
</tr>
</tbody>
</table>

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 Program 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)

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

* 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.

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.

EDGA918 Environmental &amp; Curriculum Perspectives
EDGB901 Gender and Citizenship

Research Methodology and 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
- Educational Leadership, or
- ESL Basic Training K-12, or
- Faculty Leadership for Effective change (FLEC), or
- Frameworks: A Literacy &amp; Learning course*, or
- Frameworks: Assessment &amp; 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 Coordinator for details.

Specialisation requirements must still be met by the candidate, i.e., 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 postgraduate 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 GradDipEd 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.
EDGC912 Advanced Studies in a KLA.

Session 1: 16 credit points (+ Annual subjects)

EDGZ900 Introduction to Research Methods
plus
Any 900-level subject in a school-related area of study. For areas of choice see the elective areas listed.

Session 2: 8 credit points (+ Annual subjects)
A second 900-level subject.

Graduate Diploma In Adult Education And 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.

COURSE CHARGES:
The Graduate Diploma in Adult Education and Training is a fee-paying program. Fees for on-campus programs in 2000 will be $138.54 per credit point. ($831.24 per 6 subject).

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
EDGH923 Adult Learning strategies and communication 6
EDGA806 Practicum or Project 8

plus subjects chosen from the following to complete forty-eight credit points:

EDGH912 Project for Instructional design 2
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 GDipEd Director (Dr Michael Wilson) or the Professional Officer 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 COSTS:
The on-campus Graduate Diploma in Education program will remain a HECS paying program in 2000 for Australian citizens.

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>Subject Code</th>
<th>Subject Name</th>
<th>Credit Points</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 and 8 of Secondary Methods</td>
</tr>
</tbody>
</table>

For those students pursuing primary school methods:

<table>
<thead>
<tr>
<th>Subject Code</th>
<th>Subject Name</th>
<th>Credit Points</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 Professional Officer, 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 ESOL 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. Fees for on-campus programs in 2000 will be $138.54 per credit point. ($831.24 per 6 subject).
The GDipTESOL is also available by distance education as 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>Subject Code</th>
<th>Subject Title</th>
<th>Credit Points</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>DUL330</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>Subject Code</th>
<th>Subject Title</th>
<th>Credit Points</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>Subject Code</th>
<th>Subject Title</th>
<th>Credit Points</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>
</tbody>
</table>

Enquiries regarding this program should be directed to the TESOL Program Co-ordinator, Dr Bev Derewianka

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 2000 will be $950 per 8 subject. Off-shore students should contact the Faculty for fee information. Graduate Certificates are available in the areas of:

<table>
<thead>
<tr>
<th>Area</th>
<th>Type</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adult Career Development</td>
<td>Self-study, CD-ROM based</td>
<td>On-campus only</td>
</tr>
<tr>
<td>Educational Leadership</td>
<td>On-campus only</td>
<td></td>
</tr>
<tr>
<td>Computer-Based Learning</td>
<td>On-campus, distance education and Sydney Centre</td>
<td></td>
</tr>
<tr>
<td>Literacy</td>
<td>On-campus, distance education</td>
<td></td>
</tr>
<tr>
<td>Outdoor Education</td>
<td>On-campus, workshops</td>
<td></td>
</tr>
<tr>
<td>Special Education</td>
<td>On-campus only</td>
<td></td>
</tr>
<tr>
<td>Gifted Education</td>
<td>On-campus only</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 8s). The course is only offered by distance mode and with the exception of the Practicum is delivered on CD ROM.

The subjects are:

- EDGH940 Adult Career Development 6
- EDGH942 Career Development and the Organisation 6
- EDGH944 Career Development with Clients 6
- EDGH946 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 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:

- EDGI911 Information technology and and training 6
- EDGI913 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 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 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
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
EDGR912  Teaching Writing
EDGA971  Assessment and evaluation of language and literacy

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:

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

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.

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 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
EDGA983  Assessment in TESOL
EDGA903 Minor Project in Education
Autumn/Spring/Summer Wollongong Flexible Delivery 8cp
Pre-requisites: At least 16 credit points in specialisation
Co-requisites: Exclusions: EDGZ903 Restrictions: Assessment: Contact Hours:
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.
Additional Information: EDGA903 only available in distance education programs. On-campus students will enrol in EDGZ903.

EDGA904 Minor Thesis
Annual Wollongong On Campus 24cp
Pre-requisites: Prerequisite: completion of 24 credit points of appropriate coursework, including EDGZ901 or EDGZ902, completed at Credit level or better.
Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: This is the thesis subject for continuing candidates enrolled in the 24cp 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.
Additional Information: This subject is for continuing MEd(Hons) students only. New MEd(Hons) students will enrol in EDGZ904, the 32cp Minor Thesis.

EDGA920 Curriculum Problems and Issues in Physical and Health Education
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: This subject will examine the development of the curriculum in Physical and Health Education from an historical and social perspective. Particular issues will be taken as case studies. This subject is also intended to assist teachers in clarifying their position in relation to the PDHPE curriculum so that they may take a greater part in the curriculum change process itself and make considered judgements in its implementation.
Additional Information: Co-ordinator: Dr Jan Wright

EDGA924 Adolescent Health Status and Behaviour
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: Adolescence provides a crucial access point for the improvement of health, not only now but in adult life and in the next generation. This subject will explore the nature of adolescence and those factors influencing adolescent health. It will examine various strategies implemented in schools and the community to improve adolescent health. It will also examine the assumptions underpinning the adoption of particular approaches rather than others.
Additional Information: Co-ordinator: Dr Jan Wright

EDGA959 Adult Literacy
Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.
Additional Information: Co-ordinator: Dr Phil Fitzsimmons

EDGA970 Early Language and Literacy Development
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

EDGA971 Assessment and Evaluation of Language and Literacy
Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: Contact hrs: 3 hrs per week of workshops and tutorials. 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.

EDGA976 Text and Context
Autumn Wollongong On Campus 8cp
Autumn/Spring Wollongong Flexible Delivery 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.
Additional Information: Co-ordinator: Dr Bev Derewianka

EDGA977 Communication and Learning
Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: This subject examines the relationships which exist between communication, comprehension and
learning. Research into the characteristics of effective communication and instruction, and the nature of classroom discourse will be critically analysed and its significance for teaching practice considered. The role of collaborative talk in learning to be literate will be of special interest.

**EDGA978 Literacy Practices For Diverse Needs**

**Autumn/Spring** Wollongong Flexible Delivery 8cp

**Pre-requisites:** Co-requisites:

**Exclusions:** Restrictions:

**Assessment:** Contact Hours:

**Subject Description:** The subject will introduce students to mainstream classroom practices with regard to the literacy development of students from various 'minority' backgrounds (NESB students, students with reading difficulties, gifted and talented). It will examine ways in which mainstream programs can be adapted to meet particular literacy needs, the ways in which mainstream teachers can work with specialist teachers, the diagnosis and assessment of students' literacy proficiency, and evaluation of literacy programs.

**Additional Information:** This subject is ONLY be offered off campus through the WOL consortium.

**EDGA981 Second Language Literacy**

**Autumn** Wollongong On Campus 8cp

**Autumn/Spring/Summer** Wollongong Flexible Delivery

**Pre-requisites:** Co-requisites:

**Exclusions:** Restrictions:

**Assessment:** Contact Hours:

**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 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.

**EDGA983 Assessment in Tesol**

**Spring** Wollongong On Campus 8cp

**Autumn/Spring** Wollongong Flexible Delivery

**Pre-requisites:** Co-requisites:

**Exclusions:** Restrictions:

**Assessment:** Contact Hours:

**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.

**EDGA984 Language and Learning in Tesol**

**Autumn** Wollongong On Campus 8cp

**Autumn/Spring** Wollongong Flexible Delivery

**Pre-requisites:** Co-requisites:

**Exclusions:** Restrictions:

**Assessment:** Contact Hours:

**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.

**EDGA985 English in Specific Contexts**

**Spring** Wollongong On Campus 8cp

**Autumn/Spring** Wollongong Flexible Delivery

**Pre-requisites:** EDGA976 Co-requisites:

**Exclusions:** Restrictions:

**Assessment:** Contact Hours:

**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.

**EDGA987 Children's Literature**

**Autumn** Wollongong On Campus 8cp

**Pre-requisites:** Co-requisites:

**Exclusions:** Restrictions:

**Assessment:** Contact Hours:

**Subject Description:** Contact hrs: 3 hrs per week (1 hr lecture, 2 hr seminar/workshop). 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.

**EDGA990 Career Development and Support**

**Autumn** Wollongong Flexible Delivery 8cp

**Pre-requisites:** Co-requisites:

**Exclusions:** EDGH940 or EDGH942 or EDGH944

**Restrictions:**

**Assessment:** Contact Hours:

**Subject Description:** Students will identify the differences between the career development support role and other counselling roles and examine styles of helping and identify methods of conflict resolution; specific work life issues and the importance of work; relationships, milestones, personal events in an employee's work life. The subject will develop specific career support skills and examine effective career outcomes. The context will be examined through issues such as ethics and privacy, effective outcomes, accreditation, conflicts of interest.

**Additional Information:** Available only to current students in the GCertAdult Career Development. New students in this program will enrol in their choice of EDGH940, 942 or 944. Co-ordinator: Professor John Hedberg

**EDGA998 Career Management and the Organisation**

**Autumn** Wollongong Flexible Delivery 8cp

**Pre-requisites:** Co-requisites:

**Exclusions:** EDGH940 or EDGH942 or EDGH944

**Restrictions:**

**Assessment:** Contact Hours:

**Subject Description:** This subject will address current trends in career development theory and their application to individuals moving from early career choice through life changes. The subject will focus on the organisation's perspective and identify the tools, resources and strategies available to provide for career development. Specific facilities, eg computer-based career information and guidance systems, action planning for current job enrichment, promotion and transfer, mentoring, redeployment, coaching and outplacement will be discussed and demonstrated.

**Additional Information:** Self study using CD Rom materials equivalent to approximately 9 hrs study per week. Available to continuing students in the GCertAdult career development only.
New students will enrol in their choice of EDGH940,942 or EDGH944.

**EDGA999 Major Thesis - Ed/Stats**
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 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 Head of the Graduate School.

**EDGB901 Gender and Citizenship**
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 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.

Additional Information: Co-ordinator: Dr Michael Wilson

**EDGC909 Teaching Internship**
Annual Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Subject Description: Students will design, implement and evaluate one or more integrated sequences of quality learning experiences extending over a period of about 10 weeks which display diversity of teaching strategies and techniques and encompass a wide range of learning styles. There will be a major emphasis on an ongoing reflective evaluation involving the student, peers, professional mentor and University staff culminating in a comprehensive critical analysis of the activities of the subject.

Additional Information: Only available subject to sufficient enrolments. Co-ordinator: Dr Michael Wilson

**EDGC911 Advanced Perspectives**
Annual Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Subject Description: Students will work in small groups on aspects of Curriculum, Philosophy, Psychology and Sociology relevant to classrooms. Students will identify an investigation to be followed up on an individual basis through the literature and investigated in a professional context. The work will draw on skills from EDGZ900 Intro. to Research Methods, and make use of professional and institutional contacts developed in EDGC909 Internship. The report will be presented for critical analysis to the group and institutional stakeholders before being submitted for assessment.

**EDGC912 Advanced Studies in the Key Learning Areas**
Annual Wollongong On Campus 8cp

**EDGH911 Instructional Design**
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 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, modelling 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.

Additional Information: Co-ordinator: Dr Max Gillett

**EDGH912 Project for Instructional Design**
Autumn Wollongong On Campus 2cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 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 (EDGH911) is available for reference as required by the individual. This subject involves an application of the understandings and skills developed through the study of EDGH911. 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.

Additional Information: Co-ordinator: Dr Max Gillett

**EDGH921 Evaluation and Assessment for Adult Learning**
Spring Wollongong On Campus 6cp
Pre-requisites: EDGH911 Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 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.
EDGH922 Project for Evaluation and Assessment for Adult Learning
Spring Wollongong On Campus 2cp
Pre-requisites: EDGH921 Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
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.
Additional Information: Co-ordinator: Dr Max Gillett

EDGH923 Adult Learning Strategies and Communication
Spring Wollongong On Campus 6cp
Pre-requisites: EDGH911 Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
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.
Additional Information: Co-ordinator: Dr Max Gillett

EDGH924 Project for Adult Learning Strategies and Communication
Spring Wollongong On Campus 2cp
Pre-requisites: EDGH911 Co-requisites: EDGH923 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
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.
Additional Information: Co-ordinator: Dr Max Gillett

EDGH931 Psychology of Adult Learning
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
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.
Additional Information: Co-ordinator: Dr Max Gillett

EDGH932 Project for Psychology of Adult Learning
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: EDGH931 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
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.
Additional Information: Co-ordinator: Dr Max Gillett

EDGH933 Management and Organisational Context of Learning
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
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.
Additional Information: Co-ordinator: Dr Christine Fox

EDGH934 Project for Management and Organisational Context of Learning
Autumn Wollongong On Campus 2cp
Pre-requisites: Co-requisites: EDGH933 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
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.

EDGH935 Issues in Adult in Education
Spring Wollongong On Campus 6cp
Pre-requisites: At least 16cp of subjects from Adult Ed. specialisation Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
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.

EDGH936 Project for Issues in Adult Education
Spring Wollongong On Campus 2cp
Pre-requisites: Pre/Co-Requisite(s): EDGH935: Issues in Adult Education Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
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.
EDGH940 Adult Career Development
Autumn/Spring Wollongong Flexible Delivery 6cp
Pre-requisites: Co-requisites: Exclusions: EDGA990 or EDGA998 Restrictions: Assessment: Contact Hours:
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: 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 relate 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
EDGH942 Adult Career Development and the Organisation
Autumn/Spring Wollongong Flexible Delivery 6cp
Pre-requisites: EDGH940 Co-requisites: Exclusions: EDGA990 or EDGA998 Restrictions: Assessment: Contact Hours:
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, outplacement, 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 GCertACD will enrol in this subject Co-ordinator: Professor John Hedberg
EDGH944 Adult Career Development with Clients
Autumn/Spring Wollongong Flexible Delivery 6cp
Pre-requisites: EDGH940 Co-requisites: Exclusions: EDGA990 or EDGA998 Restrictions: Assessment: Contact Hours:
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 GCertACD will enrol in this subject Co-ordinator: Professor John Hedberg.
EDGH946 Practicum or Project in Adult Career Development
Autumn/Spring Wollongong Flexible Delivery 6cp
Pre-requisites: EDGH940 and one of EDGH942 or EDGH944 Co-requisites: Exclusions: EDGA836 Restrictions: Assessment: Contact Hours:
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.
EDGI911 Information Technology in Education and Training
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.
EDGI912 Project for EDGI911
Autumn Wollongong On Campus 2cp
Pre-requisites: Co-requisites: EDGI911 Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: This is an optional project component to be taken in conjunction with EDGI 911. The 2 cp Project extends the opportunity to study the issues of EDGI911 Instructional Design.
EDGI913 Instructional Strategies and Authoring
Autumn Wollongong On Campus 6cp
Pre-requisites: Exclusions: Assessment: 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.

EDGI914 Project for EDGI913 Autumn 2cp
Pre-requisites: Exclusions: Assessment: Subject Description: This is an optional project component to be taken in conjunction with EDGI 913. The 2 cp Project extends the opportunity to study the issues of EDGI913 Instructional Strategies and Authoring.

EDGI931 Interactive Multimedia Design Spring 6cp
Pre-requisites: Exclusions: Assessment: 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.

EDGI933 Implementation and Evaluation of Technology-Based Learning Spring 6cp
Pre-requisites: Exclusions: Assessment: Subject Description: This subject will enable students to study the issues of EDGI933 Implementation and Evaluation of Technology-Based Learning Systems.

EDGI958 Project for EDGI957 Autumn 2cp
Pre-requisites: Exclusions: Assessment: Subject Description: This is an optional project component to be taken in conjunction with EDGI 957. The 2 cp Project extends the opportunity to study the issues of EDGI 957 (Un) Intelligent Computer Mediated Learning Systems.

EDGL901 Foundations of Educational Leadership Autumn 6cp
Pre-requisites: Exclusions: Assessment: 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; future, economics, realities and education; curriculum leadership and planning; and change strategies.

EDGL902 Project in Foundations of Educational Leadership Autumn 2cp
Pre-requisites: Exclusions: Assessment: 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.

EDGL903 Introduction to Educational Management Spring 6cp
Pre-requisites: Exclusions: Assessment: 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.

EDGL904 Project in Introduction to Educational Management Spring 2cp
Pre-requisites: Exclusions: Co-requisites:
EDGL905 Policy Studies: Global Change and Educational Leadership

Spring Wollongong On Campus 6cp
Pre-requisites: EDGL901 or EDGL903
Co-requisites: Restrictions:
Exclusions: 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.
Assessment: Contact Hours: 3 hr/week or equivalent

EDGL906 Project in Policy Studies: Global Change and Educational Leadership

Spring Wollongong On Campus 2cp
Pre-requisites: Co-requisites: EDGL905
Exclusions: Restrictions:
Assessment: Contact Hours: 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.

EDGL909 Leadership of Effective Change

Autumn Wollongong On Campus 6cp
Pre-requisites: 18 credit points of EDGL subjects or equivalent
Co-requisites: Restrictions:
Exclusions: Assessment: Contact Hours: 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

EDGL910 Project in Leadership of Effective Change

Autumn Wollongong On Campus 2cp
Pre-requisites: Co-requisites: EDGL909
Exclusions: Restrictions:
Assessment: Contact Hours: 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.

EDGL911 Leadership of Curriculum and Instruction

Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: EDGL901 or EDGL903
Co-requisites: Restrictions:
Exclusions: Assessment: Contact Hours: 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.

EDGL912 Project in Leadership of Curriculum and Instruction

Spring Wollongong On Campus 2cp
Pre-requisites: Co-requisites: EDGL911
Exclusions: Restrictions:
Assessment: Contact Hours: 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.

EDGL915 Information Systems for Educational Leadership

Spring Wollongong On Campus 6cp
Pre-requisites: EDGL901 or EDGL903
Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours: Subject Description: This core subject deals with the developing understandings and skills required of educational leaders in the transformational influence(s) 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.

EDGL916 Project in Information Systems for Educational Leadership

Spring Wollongong On Campus 2cp
Pre-requisites: EDGL915
Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours: Subject Description: This 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.

EDGL917 Quality Learning and Teaching

Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours: 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.

EDGL918 Project in Quality Learning and Teaching
Autumn Wollongong On Campus 2cp
Pre-requisites: Pre/Co-Requisite: EDGL917
Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.

EDGP912 Facilitation Techniques in Outdoor Education
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: Contact hrs: 35hrs This subject is a complementary blend of theory and practice to highlight the various leadership, and management styles evident in outdoor education. Facilitation and processing techniques incorporated into outdoor education programs in a variety of pedagogical contexts will be examined. Specific content will explore various philosophies and methodologies used in adventure-based outdoor education programs and enable students to delineate common elements of individual facilitation techniques. Practical fieldwork will be used as a vehicle to integrate theory and practice. A variety of learning experiences will be presented which will enable students to gain an insight into how Outdoor Education is used as a catalyst for social and personal development.

EDGP913 Project for EDGP912
Autumn Wollongong On Campus 2cp
Pre-requisites: Co-requisites: EDGP912
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: This is an optional project component subject taken in conjunction with EDGP912 and not available separately. The 2 cp Project extends the opportunity to study the issues of EDGP912.

EDGP930 Theoretical and Practical Bases of Coach Education
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: EDGP930
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: Contact hrs: 3hrs per week. This subject analyses current coaching theory related to pedagogical issues, time management and overseas developments in coaching. Students undertake an indepth analysis of the discipline areas applied to coaching. A conceptual framework of coaching both in Australia and overseas will be used with practical implications related to practice sessions in a variety of sport environments.

EDGP931 Project for EDGP930
Spring Wollongong On Campus 2cp
Pre-requisites: Co-requisites: EDGP930
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: This is an optional project component subject taken in conjunction with EDGP930 and not available separately. The 2 cp Project extends the opportunity to study the issues of EDGP930.

EDGP990 Practicum in a Learning Environment
Spring Wollongong On Campus 6cp
Pre-requisites: At least 12cp of EDGP subjects
Co-requisites: Restrictions:
Exclusions: Restrictions:
Assessment: Contact Hours:
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 a regular basis to discuss issues related to the practicum.

EDGP991 Project for EDGP990
Spring Wollongong On Campus 2cp
Pre-requisites: EDGP990
Co-requisites: Restrictions:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.

EDGR911 Teaching Reading
Autumn Wollongong On Campus 8cp
Autumn/Summer Wollongong Flexible Delivery
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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 practice; history of reading policies and methods; learning to read and learning through reading; sociocultural relationships between the reader and the written texts; reading for different purposes; evaluation of reading; the reading-writing connections and current debates around reading instruction.

EDGR912 Teaching Writing
Spring Wollongong On Campus 8cp
Autumn/Spring Wollongong Flexible Delivery
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: Contact hrs: 3hrs per week. This subject will examine the nexus between writing theories and practices. Topics to be studied will include: the writing process and its relationship to language and learning; models of writing instruction; learning to write and learning through writing; the role of context, purpose and audience in shaping written genres; the writing/reading connection - specifically spelling, grammar and the role of editing and proofreading, and the evaluation of written texts.

EDGS910 Learning Theories and Exceptionality
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.

EDGS911 Project in Exceptional Education Practices
Autumn/Spring Wollongong On Campus 2cp
Subject Description: This subject examines a range of approaches to behaviour management and the theoretical principles upon which they are based. Problems associated with non-school attendance, oppositional disorders, attention deficit disorders and other commonly occurring behaviour disorders are critically examined within the context of increasing academic engaged time and developing social and conflict resolution skills.

EDGS917 Programming for Behaviour Management
Autumn/Wollongong On Campus 2cp
Pre-requisites: Co-requisites: EDGS916
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: This subject will build on the conceptual understandings and skills developed in EDGS916 and involve the development of a school-wide behaviour management plan for a nominated educational setting. It will incorporate an analysis of the function of schools, the causes of inappropriate behaviour and the role of the teacher in guiding student behaviour.

EDGS918 Approaches to Reading Difficulties: Theories and Strategies
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: EDGS918
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: This subject examines a range of 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.

EDGS919 Reading Difficulties: Program Design and Implementation
Autumn/Wollongong On Campus 2cp
Pre-requisites: Co-requisites: EDGS919
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: This subject will engage students in the practical implementation of current theories regarding the identification and remediation of reading difficulties. Students will be required to work with a student with reading difficulties for a period of 6-8 weeks. This will involve pre- and post-assessment tasks and designing and implementing an appropriate instructional program.

EDGS920 Language and Communication Difficulties: Theory and Practice
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: EDGS914
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: This subject examines the major causes of language and communication difficulties. An overview of the topic will include an historical perspective which indicates shifts in issues such as identification, classification and categorization. Specific language difficulties associated with autism, cerebral palsy hearing impairment, intellectual impairment and learning disabilities will be examined. Assessment of communication difficulties and evaluation of a range of educational strategies will conclude the subject.

EDGS921 Language-Related Learning Difficulties: A Case Study
Spring Wollongong On Campus 2cp
Pre-requisites: Co-requisites: EDGS920
Exclusions: Restrictions: 
Assessment: Contact Hours: 
Subject Description: This subject examines the impact of language-related learning difficulties on academic performance. Students will analyse the needs of a child with such difficulties and make recommendations for compensatory teaching practices to enhance classroom success.

EDGS922 Teaching Gifted Students
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: EDGS922
Exclusions: Restrictions: 
Assessment: Contact Hours: 
Subject Description: This subject will critically examine the current issues related to the education of gifted students. It will also prepare teachers to meet effectively the needs of children through curriculum modification and application of special educational strategies. Topics will include: definition and identification issues; instructional models; educational strategies; creativity and thinking skills; counselling needs; special populations; and the implications of policy on educational practice.

EDGS923 Project in Gifted Education
Autumn/Spring Wollongong On Campus 2cp
Pre-requisites: Co-requisites: EDGS922
Exclusions: Restrictions: 
Assessment: Contact Hours: 
Subject Description: This subject builds on the theoretical perspectives gained from the subject, Teaching Gifted Students. It provides the opportunity for students to explore more deeply a particular issue related to policy or programming for gifted students. Students completing the project will select a topic in consultation with the lecturer. The project may take the form of a case study, a curriculum plan or an evaluation study.

EDGS924 Giftedness in Special Populations
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 3 hrs/week x 9
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.

EDGS925 Project in Dual Exceptionality
Spring Wollongong On Campus 2cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
Subject Description: This subject builds on the theoretical perspectives gained from the subject, Giftedness in Special Populations. It provides the opportunity for students to explore more deeply a particular issue related to policy or programming for gifted students with other special needs related to their gender, ethnicity, or disability. Students completing the project will select a topic in consultation with the lecturer. The project may take the form of a case study, a curriculum plan or an evaluation study.

EDGZ900 Introduction to Research Methods in Education
Autumn/Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: 
Exclusions: EDGZ900 or EDGZ901 or equivalent
Assessment: 
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.

Additional Information: New ME(Hons) students will enrol in EDGZ904, the 32cp Minor Thesis. This comprises 2/3 of the ME(Hons) course requirements.

EDGZ905 Major Honours Thesis
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: This is the thesis subject for candidates enrolling in a Major Thesis in the ME(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.

EDGZ909 Doctoral Thesis
Annual Wollongong On Campus 48cp
Annual Wollongong Flexible Delivery
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: Prerequisite: completion of required coursework at appropriate level. 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 EDGZ904. Candidates in EDGZ904, EDGZ905 and EDGZ909 will be required as part of their candidature 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.

EDGZ912 Special Research Topic
Autumn/Spring Wollongong On Campus 8cp
Pre-requisites: EDGA900 or EDGZ900 or equivalent
Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: The subject will allow students following a specific specialisation to appraise, extend and apply understanding and skills in their area of professional or academic concern. Students will be required to undertake a critical reading, review and reporting program. Some students may extend their investigation via a small field based inquiry project which will explore the related theory and program issues in a professional setting.

Additional Information: Previously EDGA912

EDGZ925 Advanced Seminar
Spring Wollongong On Campus 8cp
Pre-requisites: EDGA900 or EDGZ900 or equivalent
Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: The Advanced Seminar will allow students to evaluate and extend knowledge in a specific area of education. Students will be required to undertake a critical reading program in this area and extend their work by applying their understanding in a school or community based project which integrates the theory and application. Regular seminars will be presented detailing issues, understandings, progress and final outcome.

Additional Information: Previously EDGA925. Co-ordinator: Dr Paul Webb

EDUC800 Practicum
Annual Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

Additional Information: Co-ordinator: Dr Michael Wilson

EDUC801 Learners With Special Needs
Annual Wollongong On Campus 4cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

Additional Information: Course Co-ordinator: Dr Michael Wilson

EDUC802 Pedagogy
Annual Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

Additional Information: Co-ordinator: Dr Michael Wilson
EDUC803 Perspectives A
Annual Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions: Available to GDipEd students only
Assessment: Contact Hours: 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.
Additional Information: Co-ordinator: Dr Michael Wilson

EDUC804 Perspectives B
Annual Wollongong On Campus 4cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions: Available to GDipEd students only
Assessment: Contact Hours: 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.
Additional Information: Co-ordinator: Dr Michael Wilson

EDUC805 Perspectives C
Annual Wollongong On Campus 2cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions: Available to GDipEd students only
Assessment: Contact Hours: Subject Description: Primary GDE students will undertake studies in one elected area. The elected area 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.
Additional Information: Co-ordinator: Dr Michael Wilson

EDUC806 Curriculum Studies
Annual Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions: Available to GDipEd students only
Assessment: Contact Hours: 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.
Additional Information: Co-ordinator: Dr Michael Wilson

EDUC811 Personal Development, Health and Pe
Annual Wollongong On Campus 4cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions: Available to GDipEd students only
Assessment: Contact Hours: 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 supervise groups of young people during physical and sporting activities.
Additional Information: Co-ordinator: Dr Michael Wilson

EDUC821 Social Science I Method
Annual Wollongong On Campus 4cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions: Available to GDipEd students only
Assessment: Contact Hours: 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.
Additional Information: Co-ordinator: Dr Michael Wilson

EDUC822 Social Science II Method
Annual Wollongong On Campus 4cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions: Available to GDipEd students only
Assessment: Contact Hours: 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.
Additional Information: Co-ordinator: Dr Michael Wilson

EDUC831 English Method
Annual Wollongong On Campus 4cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions: Available to GDipEd students only
Assessment: Contact Hours:
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.

Additional Information: Co-ordinator: Dr Michael Wilson

EDUC832 History Method
Annual Wollongong On Campus
4cp
Pre-requisites: Co-requisites: Exclusions:
Restrictions: Available to GDipEd students only
Assessment: Contact Hours:
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.

Additional Information: Co-ordinator: Dr Michael Wilson

EDUC833 Drama Method
Annual Wollongong On Campus
4cp
Pre-requisites: Co-requisites: Exclusions:
Restrictions: Available to GDipEd students only
Assessment: Contact Hours:
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.

Additional Information: Co-ordinator: Dr Michael Wilson

EDUC841 English As a Second Language Method
Annual Wollongong On Campus
4cp
Pre-requisites: Co-requisites: Exclusions:
Restrictions: Available to GDipEd students only
Assessment: Contact Hours:
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.

Additional Information: Co-ordinator: Dr Michael Wilson

EDUC842 French Method
Annual Wollongong On Campus
4cp
Pre-requisites: Co-requisites: Exclusions:
Restrictions: Available to GDipEd students only
Assessment: Contact Hours:
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.

Additional Information: Co-ordinator: Dr Michael Wilson

EDUC844 Italian Method
Annual Wollongong On Campus
4cp
Pre-requisites: Co-requisites: Exclusions:
Restrictions: Available to G DipEd students only
Assessment: Contact Hours:
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.
Additional Information: Co-ordinator: Dr Michael Wilson

EDUC845 Japanese Method
Annual: Wollongong On Campus 4cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Available to G DipEd students only
Assessment: Contact Hours:
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.
Additional Information: Co-ordinator: Dr Michael Wilson

EDUC851 Mathematics I Method
Annual: Wollongong On Campus 4cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Available to G DipEd students only
Assessment: Contact Hours:
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.
Additional Information: Co-ordinator: Dr Michael Wilson

EDUC871 Science I Method
Annual: Wollongong On Campus 4cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Available to G DipEd students only
Assessment: Contact Hours:
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

EDUC860 Primary Method
Annual: Wollongong On Campus 10cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Available to G DipEd students only
Assessment: Contact Hours:
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 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.

Additional Information: Co-ordinator: Dr Michael Wilson

EDUC872 Science II Method
Annual Wollongong On Campus
Pre-requisites: Co-requisites: 4cp
Exclusions: Restrictions: Available to GDipEd students only
Assessment: Contact Hours:
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.

Additional Information: Co-ordinator: Dr Michael Wilson

EDUC881 Art I Method
Annual Wollongong On Campus
Pre-requisites: Co-requisites: 4cp
Exclusions: Restrictions: Available only to GDipEd students
Assessment: Contact Hours:
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.

Additional Information: Co-ordinator: Dr Michael Wilson

EDUC882 Art II Method
Annual Wollongong On Campus
Pre-requisites: Co-requisites: 4cp
Exclusions: Restrictions: Available only to GDipEd students only
Assessment: Contact Hours:
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.

Additional Information: Co-ordinator: Dr Michael Wilson

EDUC891 Music I Method
Annual Wollongong On Campus
Pre-requisites: Co-requisites: 4cp
Exclusions: Restrictions: Available to GDipEd students only
Assessment: Contact Hours:
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.

Additional Information: Co-ordinator: Dr Michael Wilson

EDUC892 Music II Method
Annual Wollongong On Campus
Pre-requisites: Co-requisites: 4cp
Exclusions:
Restrictions: Available to GDipEd students only

Assessment: Contact Hours:

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.

Additional Information: Co-ordinator: Dr Michael Wilson

EDXM901 Doctoral Thesis
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:

Subject Description:

Additional Information: 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)
MEMBER UNITS

Civil, Mining and Environmental
Engineering Physics
Materials Engineering
Mechanical 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, and
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
Solid and rock mechanics
Foundation engineering, including railways
Slope stability and reliability analysis
Soft ground improvement technology
Reinforced earth
Dam and embankment engineering
Finite element and other numerical methods
Structural dynamics
Cementitious 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. Programs offered include:
(i) CIVL951 Dissertation plus four elective subjects; or
(ii) CIVL950 Dissertation plus six elective subjects.

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 introductions to disciplines in which the student has no experience, are available.

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.

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
ENVE920 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 CIVL950 (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
- WBS+901 Accounting for Managers Elective Subjects
- CIVL903 Concrete Technology
- CIVL908 Advanced Soil Mechanics
- CIVL909 Advanced Foundation Engineering
- CIVL912 Engineering Hydrology
- CIVL918 Steel Structures
- CIVL923 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, eg 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:
- MECH951 Dissertation
- MECH971 Systems Analysis for Maintenance
- MECH973 Systems Engineering and Life Cycle Management
- MECH976 Maintenance System Design and Management
- MGMT906 Managing People at Work

Electives:
- ACCY901 Accounting for Managers
- BUSS903 Information Systems for Managers
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
ENGG919 Engineering Dissertation

Option 1: Human and Financial Resource Management stream
WBS1901 Accounting for Managers
WBS1903 Managing People in Organisations
WBS1908 Supply Chain Management

OR

Option 2: Maintenance Management stream
MECH971 Systems Analysis for Maintenance
MECH973 Systems Engineering and Life Cycle Management
MECH976 Maintenance Systems 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
MECH971 Systems Analysis for Maintenance
MECH973 Systems Engineering and Life Cycle Management
MECH976 Maintenance System Design and Management
WBS+903 Managing People at Work
MECH956 Dissertation Plus 1 elective to be selected from the list below.

Electives:
WBS+901 Accounting for Managers
WBS+906 Information Systems for Managers
MECH940 Rotational Drives and Transmissions
MECH972 Condition Based Maintenance
MECH977 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 (Mtte Mgt). To qualify for the Graduate Diploma in Maintenance Management students must complete the following:
STAT949  Statistical Thinking or
ENGG921  Engineering Data Reduction and Error Analysis
MECH470  Maintenance Management
MECH972  Condition Based Maintenance or
MECH973  Systems Engineering and Life Cycle Management
WBS+903  Managing People at Work
MECH971  Systems Analysis for Maintenance
MECH973  Systems Engineering and Life Cycle Management
MECH976  Maintenance System Design and Management

Plus 1 elective to be selected from the list below.

Electives:
WBS+901  Accounting for Managers
WBS+906  Information Systems for Managers
MECH940  Rotational Drives and Transmissions
MECH972  Condition Based Maintenance
MECH977  Advanced Topics in Maintenance 1

Plus other postgraduate subjects from the Business School or Engineering, subject to approval from the course coordinator.

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
ENGG950  Innovation and Design
ENGG951  Engineering Project Management
ENGG952  Engineering Computing

Elective Subjects Plus one elective from one of the Master of Engineering Practice to be approved by the Director of Studies.

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:
STAT949  Statistical Thinking or
ENGG921  Engineering Data Reduction and Error Analysis
MECH470  Maintenance Management
MECH972  Condition Based Maintenance or
MECH973  Systems Engineering and Life Cycle Management
WBS+903  Managing People at Work

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 ENVE951 (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). 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 Environmental Engineering
Candidates enrol in ENVE950 (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 the field of engineering or science together with appropriate professional experience may also be accepted.

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
Graduate Diploma in Engineering
Graduate Diploma in Materials Welding and Joining

POSTGRADUATE PROGRAMS

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 metallurgical 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 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: the 48 credit point subject MATL955 Major Thesis; Or (ii) the 24 credit point subject MATL992 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. A candidate who has not completed such a major study, or the equivalent, will enrol in approved subjects having a value of not less than 72 cp.

Core
ENGG950 Innovation and Design
ENGG951 Engineering Project Management
ENGG952 Engineering Computing or WBS+901 Accounting for Managers
ENGG919 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. Each subject in the Program in Materials Engineering: (a) will normally be offered over one session, and (b) will be assessed by a combination of quizzes, assignments, practical work and examination.

Master of Engineering Practice In Materials Welding and Joining.

This course is offered on a one year full-time basis, with the normal entry requirement being a Bachelor of Engineering or Bachelor of Science degree. The course consists of a set of 18 modules (ENGG 901-918) with a total of 36 cp, together with a 12cp specialisation (ENGG 919). The 2 credit point modules are presented as intensive one week (30 hour) 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. Approval of the Professor of Materials Welding and Joining will be required for the subject matter of ENGG 919 -
Dissertation.
ENGG899 Advanced Topics in Materials Welding and Joining
ENGG901 Introduction to Welding and Joining Processes
ENGG902 Arc Welding Processes
ENGG903 Non-arc Joining Processes
ENGG904 Welding, Cutting and Surfacing
ENGG905 Behaviour of Metals during Welding - Part 1
ENGG906 Behaviour of Metals during Welding - Part 2
ENGG907 Joining of Non-metallic and Dissimilar Materials
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 NDT/Metallographic Analysis
ENGG915 Mechanical Testing
ENGG916 Case Studies
ENGG917 Special Topics in Joining - A
ENGG918 Special Topics in Joining - B
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
WBS950 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 Ceramics, Glasses and Refractories
ENGG936 Control of Steel Processing
MGMT934 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 each of 30 hours duration (480 hours total). These modules are delivered within the global subject ENGG899, Advanced Topics in Materials Welding and Joining (48 cp), and comprise 11 taught modules and 5 practical modules.

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 MECH951. 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:
MECH919 Advanced Topics in Mechanical Engineering 1
MECH929 Advanced Topics in Mechanical Engineering 2
MECH934 Advanced Manufacturing Processes
MECH935 Integrated Manufacturing Systems
MECH939 Advanced Topics in Mechanical Engineering 3
MECH949 Advanced Computer Control of Machines and Processes
MECH950 Advanced Robotics Applied Mechanics program Electives:
MECH903 Biomechanical Engineering
MECH918 Sustainable Energy in Buildings
MECH919 Advanced Topics in Mechanical Engineering 1
MECH920 Numerical Methods in Mechanical Engineering
MECH924 Continuum Mechanics
MECH925 Advanced Fluid Power
MECH926 Applied Fluid Mechanics
MECH928 Finite Element Techniques in Mechanical Engineering
MECH929 Advanced Topics in Mechanical Engineering 2
MECH930 Mechanical Vibration and Condition Monitoring
MECH931 Friction Lubrication and Wear
MECH933 Solar Energy
MECH939 Advanced Topics in Mechanical Engineering 3
MECH969 Process Design and Analysis
MECH979 Sustainable Transport and Engine Technologies Materials Handling Systems program

Core:
MECH983 Bulk Solids Handling (Storage and Flow)
MECH913 Pneumatic Transport of Bulk Solids Electives:
MECH914 Freight Pipelines
MECH919 Advanced Topics in Mechanical Engineering 1
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
- MECH983 Bulk Solids Handling (Storage and Flow)
- MECH995 Bulk Solids Handling (Systems and Design)
- MECH990 Project in Bulk Solids and Particulate Technologies plus four subjects from the following list:
  - Pneumatic Transport of Bulk Solids
  - Freight Pipelines
  - Physical Processing of Bulk Solids
  - Bulk Solids Characterisation & Particulate Mechanics
  - Belt Conveying
  - Dust and Fume Systems
  - Instrumentation and Control Systems for Bulk Solids
  - Advanced Topics in Bulk Solids & Particulate Technologies
  - Advanced Topics in Bulk Solids & Particulate Technologies 2
  - Advanced Topics in Bulk Solids & Particulate Technologies 3
- MECH982 Maintenance Management of Bulk Handling Systems
- MECH984 Mechanical Handling Systems

Apart from MECH990, each subject is run on a modular basis comprising 5 days of lectures, laboratory demonstrations, case studies and problem solving, followed by assessable tasks.

Master Of Engineering Practice In Mechanical Engineering

This course will be offered to graduates who have obtained a level equivalent to the BE at the University of Wollongong. The minimum duration of the full-time course will be one year, ie. 48 cp.

Core:
- MECH956 Dissertation
- ENGG950 Innovation and Design
- ENGG951 Engineering Project Management
- ENGG952 Engineering Computing or
- ACCY901 Accounting for Managers Stream 1: Thermofluid Mechanics
- MECH924 Continuum Mechanics
- MECH926 Mechanical Vibration and Condition Monitoring Electives:
- MECH918 Sustainable Energy in Buildings
- MECH931 Friction, Lubrication and Wear
- MECH949 Advanced Computer Control of Machines and Processes
- MECH950 Advanced Robotics
- MECH969 Process Design and Analysis
- MECH979 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:
- MECH956 Dissertation
OR
ECTE953 Report
ENGG950 Innovation and Design
ENGG951 Engineering Project Management
ENGG952 Engineering Computing or
WBS+901 Accounting for Managers Electives:
ECTE971 Robotics Manipulators
ECTE972 Robotics Sensory Control
ECTE941 Intelligent Control
ECTE942 Computer Controlled Systems
ECTE955 Advanced Laboratory
MECH949 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 MECH899 . Advanced Topics in Engineering. Upon satisfactory completion of the subject MECH899, 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: Roof bolting studies Longwall mining Rock mechanics Surface mining Mine simulation, planning and design Mine safety 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 MINE951 Dissertation plus four subjects from the list of electives below; or (ii) the 12 credit point subject MINE950 Dissertation plus six subjects from the 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
MINE905 Environmental Control in Mines
MINE906 Mining Engineering Techniques
MINE907 Gases in Mines
MINE908 Mines Fires and Explosions
MINE909 Mine Subsidence
MINE911 Mine Service Engineering
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.

ENGINEERING PHYSICS
The following postgraduate degrees and diplomas are available:

Doctor of Philosophy
Honours Master of Science by Research
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 Departmental Head. Graduate Subjects
PHYS910 Advanced Project in Physics A
PHYS946 Advanced Solid State Physics
PHYS947 Special Topics in Physics A
PHYS948 The Physics of Imaging
PHYS960 Advanced Project in Physics B
PHYS997 Special Topic in Physics B
PHYS999 Major Thesis
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 Departmental Head for admission to the course. Forty eight (48) credit points to be chosen from the following list in consultation with the Head of Department.

<table>
<thead>
<tr>
<th>Subject Code</th>
<th>Subject Name</th>
<th>Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS230</td>
<td>Intermediate Physics</td>
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</tr>
<tr>
<td>PHYS233</td>
<td>Environmental Physics</td>
<td>6</td>
</tr>
<tr>
<td>PHYS255</td>
<td>Radiation Physics</td>
<td>6</td>
</tr>
<tr>
<td>PHYS295</td>
<td>Concepts of the Modern Universe</td>
<td>6</td>
</tr>
<tr>
<td>PHYS235</td>
<td>Mechanics and Thermodynamics</td>
<td>6</td>
</tr>
<tr>
<td>MATH201</td>
<td>Multivariate and Vector Calculus</td>
<td>6</td>
</tr>
<tr>
<td>MATH202</td>
<td>Applied Differential Equations</td>
<td>6</td>
</tr>
<tr>
<td>MATH283</td>
<td>Mathematics IIE for Engineers Part 1</td>
<td>6</td>
</tr>
<tr>
<td>MATH284</td>
<td>Mathematics IIE for Engineers Part 2</td>
<td>6</td>
</tr>
<tr>
<td>PHYS305</td>
<td>Quantum Mechanics</td>
<td>6</td>
</tr>
<tr>
<td>PHYS325</td>
<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 &amp; Solid State 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>PHYS395</td>
<td>Astro-, Nuclear and Solid State Physics</td>
<td>12</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 &amp; 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>
</tr>
<tr>
<td>PHYS910</td>
<td>Advanced Project in Physics A</td>
<td>6</td>
</tr>
<tr>
<td>PHYS947</td>
<td>Special Topics in Physics A</td>
<td>6</td>
</tr>
<tr>
<td>PHYS948</td>
<td>The Physics of Imaging</td>
<td>6</td>
</tr>
<tr>
<td>PHYS960</td>
<td>Advanced Project in Physics B</td>
<td>6</td>
</tr>
<tr>
<td>PHYS997</td>
<td>Special Topics in Physics B</td>
<td>6</td>
</tr>
<tr>
<td>PHYS990</td>
<td>Applied Physics Project 24</td>
<td></td>
</tr>
</tbody>
</table>

These subjects are pre and co-requisites of some of the physics subjects.
ENGG899 Advanced Topics in Materials Welding and Joining
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Subject Description: Components of ENGG 899 will be delivered as 16 modules. Additional Information: This subject may not be offered in 2000, please contact Professor John Norrish on (02) 4221-3358 or Mr Max Conyngham on (02) 4221-3122.

ENGG901 Introduction to Welding and Joining Processes
Autumn/Spring Wollongong Flexible Delivery 2cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Subject Description: Introduction to welding technology; definitions and terminology; classification of welding processes. Oxy-gas welding; processes and principles; applications; typical problems; health and safety issues. Review of electrotechnics; basics of electricity and electronics; Ohm's Law; direct and alternating current; magnetism; electrical and electronic devices; arc physics; arc characteristics and control; temperature distribution in the arc; effect of magnetic fields; limits of application. Arc power sources; power source characteristics; AC sources, DC sources; control of current and voltage. Additional Information: This subject may not be offered in 2000, please contact Professor John Norrish on (02) 4221-3358 or Mr Max Conyngham on (02) 4221-3122.

ENGG902 Arc Welding Processes
Autumn/Spring Wollongong Flexible Delivery 2cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Subject Description: Introduction to gas shielded welding; process principles of TIG, MIG and MAG welding; shielding gases; effect of gases on arc characteristics; filler metals; standards; typical problems; health and safety issues. Power sources; process factors; joint design; specifications; applications and typical problems; health and safety factors. Additional Information: This subject may not be offered in 2000, please contact Professor John Norrish on (02) 4221-3358 or Mr Max Conyngham on (02) 4221-3122.

ENGG903 Non-Arc Joining Processes
Autumn/Spring Wollongong Flexible Delivery 2cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Subject Description: Principles and processes associated with: resistance welding; laser and electron beam welding; brazing and soldering; welding; adhesive bonding; friction welding; diffusion bonding; transient liquid brazing. Additional Information: This subject may not be offered in 2000, please contact Professor John Norrish on (02) 4221-3358 or Mr Max Conyngham on (02) 4221-3122.

ENGG904 Welding, Cutting and Surfacing
Spring Wollongong Flexible Delivery 2cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Subject Description: Fully mechanised welding processes and robotics; on-line and off-line programming of robots; flexible manufacturing systems, CAD/CAM systems; seam tracking; arc sensing; vision systems; health and safety. Electroslag welding; process factors; applications and limitations. Cutting and other edge preparation processes; arc cutting; plasma cutting; flame cutting; electron beam and laser cutting; water-jet cutting. Cladding; thermal spraying; plasma-MIG surfacing; equipment, applications and special problems. Additional Information: This subject may not be offered in 2000, please contact Professor John Norrish on (02) 4221-3358 or Mr Max Conyngham on (02) 4221-3122.

ENGG905 Behaviour of Metals During Welding - Part 1
Autumn/Spring Wollongong Flexible Delivery 2cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 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. Additional Information: This subject may not be offered in 2000, please contact Professor John Norrish on (02) 4221-3358 or Mr Max Conyngham on (02) 4221-3122.

ENGG906 Behaviour of Metals During Welding - Part 2
Spring Wollongong Flexible Delivery 2cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Subject Description: Introduction to corrosion and wear; surface engineering of steels: cladding, thermal spraying, carburising, nitriding, electroplating, galvanizing, tin coating, other treatments; problems in welding and joining of coated steels. Copper and copper alloys; aluminium and its alloys; nickel alloys; other metals and alloys; welding and joining of non-ferrous alloys. Additional Information: This subject may not be offered in 2000, please contact Professor John Norrish on (02) 4221-3358 or Mr Max Conyngham on (02) 4221-3122.

ENGG907 Joining of Non-Metallic and Dissimilar Models
Autumn/Spring Wollongong Flexible Delivery 2cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Subject Description: 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. Additional Information: This subject may not be offered in 2000, please contact Professor John Norrish on (02) 4221-3358 or Mr Max Conyngham on (02) 4221-3122.

ENGG908 Construction and Design - Part 1
Spring Wollongong Flexible Delivery 2cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Subject Description: Fundamentals of the strength of materials; basics of weld design; design principles of welded structures; joint design; fracture mechanics. Additional Information: This subject may not be offered in 2000, please contact Professor John Norrish on (02) 4221-3358 or Mr Max Conyngham on (02) 4221-3122.
ENGG909  Construction and Design - Part 2
Spring  Wollongong Flexible Delivery  2cp
Pre-requisites:  Co-requisites:  Restrictions: 
Subject Description:  Behaviour of welded structures under different forms of loading; design of welded structures for static loading; effects of dynamic loading; thermodynamically loaded welded structures; design of welded aluminium alloy structures; reinforced steel welded joints.
Additional Information:  This subject may not be offered in 2000, please contact Professor John Norrish on (02) 4221-3358 or Mr Max Conyngham on (02) 4221-3122.

ENGG910  Fabrication/Applications Engineering - Part 1
Spring  Wollongong Flexible Delivery  2cp
Pre-requisites:  Co-requisites:  Restrictions: 
Subject Description:  Quality assurance in welded structures; quality control during manufacture, total quality management. Welding stresses and distortion; control of welding restraint, stress relieving of weldments. Plant facilities, welding jigs and fixtures; measurement, control and recording in welding. Fume and radiation hazards from welding, health and safety issues.
Additional Information:  This subject may not be offered in 2000, please contact Professor John Norrish on (02) 4221-3358 or Mr Max Conyngham on (02) 4221-3122.

ENGG911  Fabrication/Applications Engineering - Part 2
Spring  Wollongong Flexible Delivery  2cp
Pre-requisites:  Co-requisites:  Restrictions: 
Subject Description:  Non-destructive testing methods: ultrasonics and radiography, repair welding; fitness for purpose considerations; economic aspects of weld fabrication; economic considerations of high productivity welding, automatic and robotic welding.
Additional Information:  This subject may not be offered in 2000, please contact Professor John Norrish on (02) 4221-3358 or Mr Max Conyngham on (02) 4221-3122.

ENGG914  Ndt/Metallographic Analysis
Spring  Wollongong Flexible Delivery  2cp
Pre-requisites:  Co-requisites:  Restrictions: 
Subject Description:  Practical exercises in weld defect testing using ultrasonics and radiography. Metallographic examination of commercially important metals and alloys, and the microstructures of steel and aluminium weldments.
Additional Information:  This subject may not be offered in 2000, please contact Professor John Norrish on (02) 4221-3358 or Mr Max Conyngham on (02) 4221-3122.

ENGG915  Mechanical Testing
Spring  Wollongong Flexible Delivery  2cp
Pre-requisites:  Co-requisites:  Restrictions: 
Subject Description:  Practical exercises in mechanical testing of metallic and non-metallic materials: hardness testing, Charpy testing, determination of yield and tensile strengths, tensile elongation. Demonstration of fracture toughness (COD) testing. Application of mechanical testing to weldments.
Additional Information:  This subject may not be offered in 2000, please contact Professor John Norrish on (02) 4221-3358 or Mr Max Conyngham on (02) 4221-3122.

ENGG916  Case Studies
Spring  Wollongong Flexible Delivery  2cp
Pre-requisites:  Co-requisites:  Restrictions: 
Subject Description:  Case studies of welding procedures applied to the fabrication of boilers and pressure vessels, pipelines, ships and naval vessels, offshore structures, transportation equipment, cranes, bridges, steel framed buildings, etc.
Additional Information:  This subject may not be offered in 2000, please contact Professor John Norrish on (02) 4221-3358 or Mr Max Conyngham on (02) 4221-3122.

ENGG917  Special Topics in Joining - A
Spring  Wollongong Flexible Delivery  2cp
Pre-requisites:  Co-requisites:  Restrictions: 
Subject Description:  Lectures on special topics in materials welding and joining, especially current research directions and leading edge technology.
Additional Information:  This subject may not be offered in 2000, please contact Professor John Norrish on (02) 4221-3358 or Mr Max Conyngham on (02) 4221-3122.

ENGG919  Dissertation
Autumn/Spring  Wollongong Flexible Delivery  12cp
Spring  Singapore Modular
Autumn  Wollongong On Campus
Pre-requisites:  Co-requisites:  Restrictions: 
Subject Description:  A thesis is required based on project work and/or an interpretative literature review on a topic in materials engineering.
Additional Information:  This subject may not be offered in 2000, please contact Professor John Norrish on (02) 4221-3358 or Mr Max Conyngham on (02) 4221-3122.

ENGG950  Innovation and Design
Autumn  Wollongong On Campus  6cp
Pre-requisites:  Co-requisites:  Restrictions: 
Subject Description:  Topics will be selected from: The creative and innovative process, aesthetics in design, life cycle design and planning. Design for economy, maintenance, disassembly, recycling, repair and rehabilitation. Designing with materials. Durability of materials, components, systems and structures. Intellectual property, patents and technology transfer. The international marketplace. Constraints on design: standards, specifications and codes of practice. Feasibility studies and costing Teamwork in design. Case studies.
Additional Information:  This subject may not be offered in 2000, please check with the course coordinator before enrolling.

ENGG951  Engineering Project Management
Spring  Wollongong On Campus  6cp
Pre-requisites:  Co-requisites:  Restrictions: 
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.
Additional Information:  This subject may not be offered in 2000, please check with the course coordinator before enrolling.
### CIVIL ENGINEERING

<table>
<thead>
<tr>
<th>Subject Code</th>
<th>Subject Name and Code</th>
<th>Subject Description</th>
<th>Contact Hours</th>
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<tbody>
<tr>
<td>ENGG952</td>
<td>Engineering Computing</td>
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<td>6cp</td>
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<tr>
<td>CIVL899</td>
<td>Advanced Topics in Engineering</td>
<td></td>
<td>48cp</td>
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<td>CIVL901</td>
<td>Project</td>
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<tr>
<td>CIVL902</td>
<td>Reliability in Geotechnical Engineering</td>
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<td>CIVL903</td>
<td>Concrete Technology</td>
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<td>Transportation Engineering</td>
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<td>CIVL907</td>
<td>Civil Engineering Computations</td>
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<td>CIVL908</td>
<td>Advanced Soil Mechanics</td>
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<tr>
<td>CIVL909</td>
<td>Advanced Foundation Engineering</td>
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<td>6cp</td>
</tr>
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</table>

### Additional Information:
- Some subjects may not be offered in 2000, please check with the course coordinator before enrolling.
- Contact details for each subject vary and include Wollongong On Campus and Singapore Modular options.
- Pre-requisites and Co-requisites are specified for each subject.
- Exclusions and Restrictions are also noted for some subjects.
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.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

CIVL911 Finite Elements Methods
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
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.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

CIVL912 Engineering Hydrology
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
Subject Description: Storm models, storm maximisation, extreme precipitation estimates, intensity-frequency duration analysis, design storms; rainfall losses, infiltration models, design losses; advanced unit - hydrograph theory, synthetic unit hydrographics; hydrograph synthesis by runoff - routing; design floods for rural and urban catchments.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

CIVL916 Research Topics in Civil Engineering
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
Subject Description: Topics will be selected from those areas of Civil Engineering in which staff members or visiting staff members to the department, are engaged in active research.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

CIVL918 Steel Structures
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
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.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

CIVL919 Earth Structures
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
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 sub-surface erosion and piping; risk studies; maintenance and improvement of earth structures.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

CIVL920 Civil Engineering Hydraulics
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
Subject Description: Uniform flow in rivers and flood plains; open channel roughness and flow resistance; non-uniform open channel flow; backwater curve computation; unsteady open channel flow. Flood wave routing, hydraulics of spillways; hydraulics of bridges and culverts; retarding basin hydraulics; urban stormwater drainage design; sediment transport in open channel flow.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

CIVL950 Dissertation (12 Credit Points)
Autumn/Spring Wollongong On Campus 12cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
Subject Description: Subject Objectives:

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

CIVL951 Dissertation (24 Credit Points)
Annual Wollongong On Campus 24cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
Subject Description: Subject Objectives:

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

CIVL955 ME Major Thesis
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
Subject Description: Subject Objectives:

CIVL957 PhD Major Thesis
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
Subject Description: Subject Objectives:

CIVL981 Special Topic A
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
Subject Description: Specialist topic in civil engineering offered by members of staff, professional engineers or visitors to the Department.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.
ENVE899 Advanced Topics in Environmental Engineering
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
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 assessments; environmental modelling processes; environmental geotechnology; transport and the environment; ground and mine-water.

ENVE901 Project
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
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.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

ENVE916 Research Topics in Environmental Engineering
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
Subject Description: Topics will be selected from the areas of environmental engineering in which staff members are engaged in research.

ENVE920 Principles of Environmental Engineering
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
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 statement.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

ENVE921 Wastewater Engineering
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
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.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

ENVE922 Water Supply Engineering
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
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.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

ENVE923 Industrial Waste and Engineering and Cleaner Production
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
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.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

ENVE924 Solid and Hazardous Waste Management
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
Subject Description: Two areas are covered: Generation, characterisation, collection and minimisation of solid waste; and classification, treatment and final disposal of hazardous waste.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

ENVE950 Dissertation (12 Credit Points)
Autumn/Spring Wollongong On Campus 12cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
Subject Description: Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

ENVE951 Dissertation (24 Credit Points)
Autumn/Spring Wollongong On Campus 24cp
Pre-requisites: Co-requisites: Restrictions: Assessment: Contact Hours:
Subject Description: Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

ENVE955 ME Major Thesis
Annual/Summer Wollongong On Campus 48cp
Pre-requisites: Co-requisites:
MATERIALS ENGINEERING

MATL899 Advanced Topics in Materials
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites: Restrictions: Contact Hours:
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.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MATL901 Special Topic in Materials 1
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Contact Hours:
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.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MATL902 Special Topic B
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Contact Hours:
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.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MATL903 Recent Developments in Materials
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Contact Hours:
Subject Description: Considerations of the structures, properties, technology and applications of advanced materials with emphasis on materials important to the Australian economy.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MATL905 Metallic Materials
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Contact Hours:
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MATL906 Ceramic Materials
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Contact Hours:
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.
MATL907 Polymeric Materials
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: Polymers, formation and classification. Effects of structure and additives on properties. Composite materials with polymeric matrices.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MATL908 Phase Transformations
Spring/Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: Analysis and theories of solid state phase transformations, nucleation phenomena, diffusion and diffusionless growth; application to precipitation, eutectoid, proeutectoid, martensitic and other processes.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MATL911 Mechanical Behaviour of Materials
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: Behaviour of ceramics, metals and polymers under stress, stress-strain relationships, time and temperature dependent phenomena.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MATL932 Surface Engineering of Materials
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: Surface coating processes, coating of materials with ceramics, metals and polymers; quality and performance of the product; surface heat treatment processes.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MATL936 Chemical Reaction Engineering
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Additional Information: This subject will not be offered in 2000

MATL937 Process Metallurgy
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: Ironmaking. Sintering and pelleting; time-temperature effects; phase composition; strength-reducibility relationships; mix selection; cokemaking; fundamental relations; coke strength and reactivity; blast furnace process; Rist and Reichert diagrams; burden design and distribution; stack, bosh and hearth processes; DRI.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MATL951 Performance of Materials A
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MATL952 Performance of Materials B
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MATL955 ME Major Thesis
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description:

MATL957 PhD Major Thesis
Annual/Summer Wollongong On Campus 48cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description:

MATL961 Materials Analysis A
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description:

MATL971 Prescription and Selection of Materials
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description:

MATL973 Metallurgical Processing 3
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: MATH202 and MATH203 Co-requisites:
Subject Description:
Subject Description: 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.

Additional Information: This subject may not be offered in 2000, please contact the course coordinator before enrolling.

MECH999 Advanced Topics in Engineering
Annual  Wollongong On Campus  48cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: Students will normally take a selection of topics at an 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.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH989 Advanced Topics in Engineering
Autumn/Spring  Wollongong On Campus  6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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).
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH992 Dissertation
Autumn/Spring  Wollongong On Campus  24cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: This subject may comprise a minor research project, an extensive literature survey and analysis, or the development of improved modelling methods of materials processes.

Subject Description: This subject may not be offered in 2000, please contact Professor John Norrish on (02) 4221-3358 or Mr Max Conyngham on (02) 4221-3122.

MECH999 Advanced Topics in Materials
Autumn/Spring  Wollongong On Campus  48cp
Pre-requisites: MATH202 and MATH203
Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH918 Sustainable Energy in Buildings
Autumn/Spring  Wollongong On Campus  6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: There is no set syllabus for this subject. It is intended that it normally be offered on a specialised mechanical engineering topic given by members of the Department, visiting academic staff or engineering consultants.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH919 Advanced Topics in Mechanical Engineering I
Autumn/Spring  Wollongong On Campus  6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH920 Numerical Methods in Mechanical Engineering
Autumn/Spring  Wollongong On Campus  6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH924 Continuum Mechanics
Autumn/Spring  Wollongong On Campus  6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: An introduction to tensor analysis, classical theory of elasticity, fluid mechanics, thermodynamics of solids, thermoelasticity, viscoelasticity, plasticity, finite deformation theory.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH925 Advanced Fluid Power
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
Subject Description: Fluid power components, circuit design: analysis of transmission, valve-controlled and feedback systems; electronic controls; vibration and transient response.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH926 Applied Fluid Mechanics
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
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.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH927 Physical Processing of Bulk Solids
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
Subject Description: Bulk solids description and characterisation; crushing, grinding, thickening, separation, precipitation, filtration, blending, tabletting, briquetting and agglomeration, sizing and classification; introduction to beneficiation; drying; intermediate processing and handling; control and instrumentation; dust generation and abatement.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH928 Finite Element Techniques in Mechanical Engineering
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH929 Advanced Topics in Mechanical Engineering 2
Autumn/Summer Wollongong On Campus 6cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
Subject Description: As for MECH919.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH930 Mechanical Vibration and Condition Monitoring
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH931 Friction Lubrication and Wear
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH932 Solar Energy
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
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.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH933 Advanced Manufacturing Processes
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
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.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH934 Integrated Manufacturing Systems
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
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.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH935 Advanced Topics in Mechanical Engineering 3
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours:
Subject Description: As for MECH919.

**MECH949 Advanced Computer Control of Machines and Processes**

Autumn/Spring Wollongong On Campus 6cp

Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:

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.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

**MECH950 Advanced Robotics**

Autumn/Spring Wollongong On Campus 6cp

Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:

Subject Description: Design of advanced robot structures and control systems, modelling of sensor-based robot systems, application of artificial intelligence in robot control.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

**MECH951 Dissertation**

Autumn/Spring Wollongong On Campus 24cp

Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:

Subject Description: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

**MECH955 ME Major Thesis**

Annual Wollongong On Campus 48cp

Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:

Subject Description: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

**MECH956 Dissertation**

Autumn/Spring Wollongong On Campus 12cp

Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:

Subject Description: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

**MECH957 Major Phd Thesis**

Annual/Summer Wollongong On Campus 48cp

Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:

Subject Description: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

**MECH967 International Quality Techniques**

Autumn/Spring Wollongong On Campus 6cp

Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:

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.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

**MECH969 Process Design and Analysis**

Autumn/Spring Wollongong On Campus 6cp

Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:

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.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

**MECH970 Maintenance Management**

Autumn/Spring Wollongong On Campus 6cp

Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:

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).

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

**MECH971 Systems Analysis For Maintenance**

Autumn/Spring Wollongong On Campus 6cp

Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:

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.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

**MECH972 Condition Based Maintenance**

Autumn/Spring Wollongong On Campus 6cp

Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:

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.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH974 Information Systems in Maintenance Mgt
Autumn/Spring  Wollongong On Campus  6cp
Pre-requisites:  Co-requisites:  
Exclusions:  Restrictions:  
Assessment:  Contact Hours:  
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.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH976 Maintenance System Design and Management
Autumn/Spring  Wollongong On Campus  6cp
Pre-requisites:  Co-requisites:  
Exclusions:  Restrictions:  
Assessment:  Contact Hours:  
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 shut downs and overhauls; inventory control for maintenance, inventory control systems, configuration management, warehouse control, evaluation of maintenance performance, improving maintenance performance, TPM.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH979 Sustainable Transport and Engine Technology
Autumn/Spring  Wollongong On Campus  6cp
Pre-requisites:  Co-requisites:  
Exclusions:  Restrictions:  
Assessment:  Contact Hours:  
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.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH980 Functional Analysis and Risk Management
Autumn/Spring  Wollongong On Campus  6cp
Pre-requisites:  Co-requisites:  
Exclusions:  Restrictions:  
Assessment:  Contact Hours:  

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH981 Concurrent Design Management
Autumn/Spring  Wollongong On Campus  6cp
Pre-requisites:  Co-requisites:  
Exclusions:  Restrictions:  
Assessment:  Contact Hours:  
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.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH982 Bulk Solids Characterisation and Particulate Mechanics
Autumn/Spring  Wollongong On Campus  6cp
Pre-requisites:  Co-requisites:  
Exclusions:  Restrictions:  
Assessment:  Contact Hours:  
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.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH983 Bulk Solids Handling (Storage and Flow)
Autumn/Spring  Wollongong On Campus  6cp
Pre-requisites:  Co-requisites:  
Exclusions:  Restrictions:  
Assessment:  Contact Hours:  
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; chute loads; chute design; flow rate prediction; segregation and blending; dust suppression systems; stock pile systems; case studies.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH984 Belt Conveying
Autumn/Spring  Wollongong On Campus  6cp
Pre-requisites:  Co-requisites:  
Exclusions:  Restrictions:  
Assessment:  Contact Hours:  
Subject Description: Belt conveying systems; properties of conveyor belt; tension analyses (static and dynamic); drive systems; loading and unloading belts; trajectory prediction; transfer chute design novel belt systems; economic analyses.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH985 Dust and Fume Systems
Autumn/Spring  Wollongong On Campus  6cp
Pre-requisites:  Co-requisites:  
Exclusions:  Restrictions:  
Assessment:  Contact Hours:  
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 generation and its minimisation; filtration systems; design of dust handling and disposal systems; occupational health and safety; dust explosion; case studies.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MECH986 Instrumentation and Control Systems For Bulk Solids
Autumn/Spring  Wollongong On Campus  6cp
Pre-requisites:  Co-requisites:  
Exclusions:  Restrictions:  
Assessment:  Contact Hours:  
Subject Description: Transducer types and their specification and applications; dynamic response of systems; speed measurement and control; mass flow rate measurement; belt
Weighing; weigh belt feeders; continuous and batch weighing systems; bin weighing systems and structural implications; system accuracy; interfacing with PLCs and computers; case studies.

**Additional Information:** This subject may not be offered in 2000, please check with the course coordinator before enrolling.

**MECH987** Advanced Topics in Bulk Solids and Particulate Technologies 1

- **Autumn/Spring** Wollongong On Campus 6cp
- **Pre-requisites:** Co-requisites:
- **Exclusions:** Restrictions:
- **Assessment:** Contact Hours:
- **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.

**Additional Information:** This subject may not be offered in 2000, please check with the course coordinator before enrolling.

**MECH988** Advanced Topics in Bulk Solids and Particulate Technologies 2

- **Autumn/Spring** Wollongong On Campus 6cp
- **Pre-requisites:** Co-requisites:
- **Exclusions:** Restrictions:
- **Assessment:** Contact Hours:
- **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.

**Additional Information:** This subject may not be offered in 2000, please check with the course coordinator before enrolling.

**MECH989** Advanced Topics in Bulk Solids and Particulate Technologies 3

- **Autumn/Spring** Wollongong On Campus 6cp
- **Pre-requisites:** Co-requisites:
- **Exclusions:** Restrictions:
- **Assessment:** Contact Hours:
- **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.

**Additional Information:** This subject may not be offered in 2000, please check with the course coordinator before enrolling.

**MECH990** Bulk Solids and Particulate Technologies Project

- **Autumn/Spring** Wollongong On Campus 12cp
- **Pre-requisites:** Co-requisites:
- **Exclusions:** Restrictions:
- **Assessment:** Contact Hours:
- **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.

**MINING ENGINEERING**

**MINE899** Advanced Topics in Mining Engineering

- **Annual** Wollongong On Campus 48cp
- **Pre-requisites:** Co-requisites:
- **Exclusions:** Restrictions:
- **Assessment:** Contact Hours:
- **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.

**Additional Information:** This subject may not be offered in 2000, please check with the course coordinator before enrolling.

**MINE902** Advanced Studies in Mining Engineering

- **Autumn/Spring** Wollongong On Campus 6cp
- **Pre-requisites:** Co-requisites:
- **Exclusions:** Restrictions:
- **Assessment:** Contact Hours:
- **Subject Description:** Preparation of 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.
Assessment: Autumn/Spring 2000, please check with the course coordinator before enrolling. The number and type shall be determined by two members of the academic staff of the Department of Physics.

Exclusions: Restrictions: Pre-requisites: Co-requisites: Subject Description: Construct several self-contained experiments at the level of those completed experiments.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MINE904 Rock Mechanics Autumn/Spring Wollongong On Campus 6cp Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Subject Description: Mine climate and its control, ventilation planning, ventilation network analysis and simulation; fan selection, booster fans; ventilation of on 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.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MINE905 Environmental Control in Mines Annual Wollongong On Campus 6cp Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Subject Description: Water problems in surface and underground mining; hydro geological factors affecting mine water inflow; 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: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MINE951 Dissertation Autumn/Spring Wollongong On Campus 24cp Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Subject Description: No description in current calendar

MINE953 Mine Water-Origin, Inflow Predictions and Control Autumn/Spring Wollongong On Campus 6cp Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Subject Description: Water problems in surface and underground mining; hydro geological factors affecting mine water inflow; 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: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

MINE955 Major Thesis (48 Credit Points) Annual Wollongong On Campus 48cp Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Subject Description:

MINE957 Phd Major Thesis (48 Credit Points) Annual Wollongong On Campus 48cp Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: Subject Description:

ENGINEERING PHYSICS


Contact Hours: 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.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.


Contact Hours: Subject Description: Crystal Symmetries: Groups of Linear Transformation; Abstract Groups; Theory of Group Representations; Group of the Schrödinger 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.

Additional Information: This subject may not be offered in 2000, please check with teh course coordinator before enrolling.


Contact Hours:
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.

Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

PHYS948 The Physics of Imaging
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

PHYS960 Advanced Project in Physics B
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Satisfactory operation and written descriptions of completed experiments.
Contact Hours: 42 hours laboratory
Subject Description: descriptions of completed experiments.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

PHYS990 Applied Physics Project
Autumn/Spring Wollongong On Campus 24cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Minor Thesis Contact Hours:
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.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

PHYS997 Special Topic in Physics B
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Project work and Seminar Contact Hours: 28
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.
Additional Information: This subject may not be offered in 2000, please check with the course coordinator before enrolling.

PHYS999 Major Thesis
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: The major thesis takes the form of a supervised research project on an approved topic.
Faculty of Health & Behavioural Science

Member Units

Biomedical Science
Nursing
Psychology
Public Health and Nutrition
Smart Foods Centre

Biomedical Science

Courses Offered
The following postgraduate courses are available:

- Doctor of Philosophy
- Honours Master of Science
- Master of Science (Exercise Rehabilitation)
- Master of Science (Nutrition)
- Master of Science (Nutrition and Dietetics)
- Master of Science (Nutrition/Dietetics and Exercise Science)
- Master of Science (Occupational Health & Safety) [subject to approval]
- Graduate Diploma in Science (Biomedical Science)
- Graduate Diploma in Science (Exercise Rehabilitation)
- Graduate Diploma in Science (Occupational Health & Safety) [subject to approval]
- Graduate Certificate in Occupational Health & Safety [subject to approval]

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.

Doctor of Philosophy

Years 1-3
GHMA999 Major Thesis

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 1 level will be required to complete a 48 cp thesis.

Students with a degree at less than Honours Class II, Division 1 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 (subject to approval in 2000).

GHMA906 Research Projects
GHMA909 Practicum
GHMA913 Special Topics
GHMA999 Major Thesis (at least three sessions of full-time enrolment or equivalent)
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 Science practitioner by the Australian Association for Exercise and Sports Science (AAESS). The MSc (Exercise Rehabilitation) is a full fee paying program.

Year 1
BExS402 Exercise in Special Populations
BExS411 Practicum in Exercise Science A
BExS412 Practicum in Exercise Science B
BExS451 Exercise Rehabilitation 1: Musculoskeletal
BExS452 Exercise Rehabilitation 2: Cardiorespiratory & Neurological
BMS303 Research Topics in Exercise Science

plus at least a further 8cps of approved elective subjects

Year 2
GHMA997 Major Project

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.

Year 1
GHMA930 Community and Public Health Nutrition
GHMA931 Nutrients and Metabolism
GHMA932 Research in Human Nutrition
GHMA997 Major Project

Year 2
GHMA933 Communication in Health Care Practice
GHMA934 Dietetics
GHMA935 Food Service and Dietetics Management
or 24cps of course work approved by the Head of Department

Master Of Science (Nutrition And 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.

Year 1
GHMA930 Community and Public Health Nutrition
GHMA931 Nutrients and Metabolism
GHMA932 Research in Human Nutrition
GHMA997 Major Project

Year 2
GHMA933 Communication in Health Care Practice
GHMA934 Dietetics
GHMA935 Food Service and Dietetics Management
GHMA937 Practical Studies in Nutrition and Dietetics

Graduates of the BSc(Nutrition) degree may apply for advanced standing in these subjects

Master Of Science (Nutrition/Dietetics And Exercise Science)

This 2-year (96cp) 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.

Year 1
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.

This program requires 48 cps of subjects approved by the Head of Department.

Graduate Diploma In Science (Exercise Rehabilitation)

This 1-year (48cp) course work Graduate Diploma of Science is designed principally for graduates of an approved 3-year BSc (Human Movement Science) degree program to gain professional accreditation as an Exercise Science practitioner from AAESS. The Grad Dip Sc (Exercise Rehabilitation) is a full fee paying degree.

NURSING

COURSES OFFERED
The following postgraduate courses are available:

Doctor of Philosophy
Honours Master of Nursing
Honours Master of Science (Midwifery)
Master of Indigenous Health
Master of Nursing
Master of Science (Development Disability)
Master of Science (Midwifery)
Graduate Diploma in Indigenous Health
Graduate Diploma in Nursing
Graduate Diploma in Science (Developmental Disability)
Graduate Certificate in Indigenous Health
Graduate Certificate in Mental Health Nursing
Graduate Certificate in Nursing

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.

**Doctor Of Philosophy**

(Repeat same enrolment each year of study)
GHMB999 Major Thesis

**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.

ii. a candidate will undertake an approved course recommended by the Head of the Department of Nursing;

iii. a person wishing to use previous postgraduate studies to qualify for admission to the Honours Master of Nursing degree shall be expected to:

(i) carry 48 cp advanced standing from the Graduate Diploma into the Master of Nursing (Honours); (ii) 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 (iii) 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:

(a) 24 cp from the following list (each subject is worth 6 credit points);

GHMB900 Nursing: The Professional Context
GHMB902 Nursing Management
GHMB903 Scientific and Quantitative Developments in Acute Care Nursing
GHMB906 Acute Care Nursing: Reflections on Practice
GHMB907 Fundamental Concepts in Developmental Disability
GHMB908 Applied Behavioural Science for Developmental Disability Practice
GHMB909 Multiple Disability
GHMB910 Contemporary Issues in Developmental Disability
GHMB923 Legal and Professional Issues
GHMB930  Clinical Education
GHMB931  Clinical Supervision
GHMD906  Quality Management for Health Services
NURS225  Pathophysiology for the Registered Nurse

(b) plus the following 24 credit points:
GHMB989  Mental Health Nursing: Clinical Principles and Practice
GHMD971  Assessment and Diagnosis in Mental Health
GHMD973  Case Management in Mental Health

(c) a thesis consisting of the results of an investigation to the value of 48 cp; or
(d) a minor thesis consisting of the results of an investigation whose credit point value is 24 together with satisfactory completion of directed study subjects to the value of 24 cp. Candidates for this degree enrol in GHMB999. (Repeat same enrolment each year of study)

**GHMB999  Major Thesis**

**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.

**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
- GHMB998  Minor Thesis

**Option B**
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
- GHMD908  Health Services Planning and Evaluation
- GHMD912  Health Promotion
- GHMB942  Special Topic

**Master Of Nursing (48 Cp)**
The Pass Masters degree is designed to prepare nurses for leadership roles in nursing and the health care system.

**Core subjects:** 24 cp

- GHMD983  Statistics in
- GHMD984  Health
- GHMB905  Special Topic in Nursing

**Elective subjects:**

GHMB997  Major Project
or
Select a minimum of 24 cp from Group A, B, C and D. A maximum of 12 cp may be chosen from B, C and D

Group A

GHMB900  Nursing: The Professional Context 6
GHMB902  Nursing Management 6
GHMB903  Scientific and Quantitative Developments in Acute Care Nursing 6
GHMB906  Acute Care Nursing: Reflections on Practice 6
GHMB907  Fundamental Concepts in Developmental Disability 6
GHMB908  Applied Behavioural Science for Developmental Disability Practice 6
GHMB909  Multiple Disability 6
GHMB910  Contemporary Issues in Developmental Disability 6
GHMB923  Legal and Professional Issues 6
GHMB930  Clinical Education 6
GHMB931  Clinical Supervision 6
NURS225  Pathophysiology for the Registered Nurse 6

Group B Public Health and Nutrition

GHMD906  Quality Management for Health Services 6
GHMD904  Epidemiology 6
GHMD908  Health Services Planning and Evaluation 6
GHMD912  Health Promotion 6
GHMD925  Aboriginal Health Issues 6
GHMD939  Human Nutrition in Health and Disease 6
GHMD981  Maternal and Child Health in Developing Countries 6

Group C Psychology

GHMC962  Counselling Psychology 8

Group D Science and Technology

STS910  Gender and Body Politics 8
STS921  The Dynamics of Science and Technology 12
STS931  Risk Assessment, Health and Safety 12
STS935  The Impact of Computers and Communication Technology 12
STS936  Critical Studies in Medicine and Health Care 12
STS946  Management of Technological Change 6

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.

The following subjects must be completed:

GHMD983  Statistics in Health Research
GHMD984  Health Research Methodology
GHMB907  Fundamental Concepts in Developmental Disability
GHMB908  Applied Behavioural Science for Developmental Disability Practice
GHMB909  Multiple Disability
GHMB910  Contemporary Issues in Developmental Disability

plus two (2) elective subjects (12 cp), normally chosen from the following subjects:

SOC103  Sociology 1A
SOC205  Sociology of the Family
EDUF101  Child Growth and Development
GHMB900  Nursing: The Professional Context

along with:

GHMB998  Minor Thesis

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)
GHMB920  Applied Midwifery Studies
GHMB921  Reproductive Bioscience
GHMB922  Psychosocial Development of the Family
GHMB923  Legal and Professional Issues
GHMB924  Midwifery Studies
GHMD983yy  Statistics in Health Research

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
GHMB940  Indigenous Family Studies
GHMB941  Indigenous Health Patterns
GHMD983  Statistics in Health Research
GHMD904  Epidemiology
GHMD913  Drug Problems and Issues
GHMD936  Public Health Nutrition

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.

24 cp to be selected from the following list of subjects (each subject is worth six (6) credit points):

GHMB900  Nursing: The Professional Context
GHMB902  Nursing Management
GHMB903  Scientific and Quantitative Developments in Acute Care Nursing
GHMB906  Acute Care Nursing: Reflections on Practice
GHMB907  Fundamental Concepts in Developmental Disability
GHMB908  Applied Behavioural Science for Developmental Disability Practice
GHMB909  Multiple Disability
GHMB910  Contemporary Issues in Developmental Disability
GHMB923  Legal and Professional Issues
GHMB930  Clinical Education
GHMB931  Clinical Supervision
GHMD906  Quality Management for Health Services
NURS225  Pathophysiology for the Registered Nurse

plus the following Core Subjects
GHMB900  The Professional Context
GHMB923  Legal and Professional Issues
NURS331  Research for Registered Nurses

and one Elective subject.

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 and specialisation subjects - compulsory as listed below
GHMD983  Statistics in Health Research
GHMD984  Health Research Methodology
GHMB907  Fundamental Concepts in Developmental Disability
GHMB908  Applied Behavioural Science for Developmental Disability Practice
GHMB909  Multiple Disability
GHMB910  Contemporary Issues in Developmental Disability

The remaining two (2) subjects (12 cp) are electives, normally chosen from the following subjects:
SOC103  Sociology 1A
SOC205  Sociology of the Family
EDUF101  Child Growth and Development
GHMB900  Nursing: The Professional Context

**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

**Graduate Certificate In Mental Health Nursing (24cp).**

The following subjects must be completed.

GHMB989  Mental Health Nursing: Clinical Principles and Practice
GHMD971  Assessment and Diagnosis in Mental Health
GHMD973  Case Management in Mental Health

**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:
GHMB900  Nursing: The Professional Context
GHMB902  Nursing Management
GHMB903  Scientific and Quantitative Developments in Acute Care Nursing
GHMB906  Acute Care Nursing: Reflections on Practice
GHMB907  Fundamental Concepts in Developmental Disability
GHMB908  Applied Behavioural Science for Developmental Disability Practice
GHMB909  Multiple Disability
GHMB910  Contemporary Issues in Developmental Disability
GHMB923  Legal and Professional Issues
GHMB930  Clinical Education
GHMB931  Clinical Supervision
GHMD906  Quality Management for Health Services
NURS225  Pathophysiology for the Registered Nurse

Normally subjects will be selected to form a coherent course of study in a specialised area.

**PSYCHOLOGY**

**COURSES OFFERED**

The following postgraduate courses are available:

Doctor of Philosophy
Doctor of Philosophy (Clinical Psychology)
Doctor of Psychology (Clinical)
Honours Master of Science
Master of Psychology (Clinical)
Master of Science (Pass)
Graduate Diploma in Applied Psychology
Graduate Certificate in Cognitive Neuroscience

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, community and health psychology: including clinical psychopathology and cognitive behaviour therapy, the psychology of drug dependence, psychology of diet, exercise and the metabolic syndrome, 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.

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.

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:
GHMC999 Doctor of Philosophy Thesis

Doctor of Philosophy (Clinical Psychology)
Check with Department for availability and standing for 2000
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
GHMC910 Child and Family Psychology
GHMC919 Clinical Applications of Health Psychology
GHMC926  Counselling Skills
GHMC931  Clinical Neuropsychology
GHMC932  Sociocultural Aspects of Applied Psychology
GHMC933  Professional Workshop Series A (or GHMC 934 Professional Workshop Series B)
GHMC939  Introduction to Cognitive Behavioural Therapy
GHMC969  Advanced Cognitive Behavioural Therapy
GHMC970  Assessment & Psychopathology A
GHMC971  Assessment & Psychopathology B

(iii) 16 credit points of supervised practical clinical experience:

GHMC938  Practicum 1A
GHMC942  Practicum 1B
GHMC943  Practicum 2A
GHMC944  Practicum 2B

(iii) 120 credit points of independent but supervised research in the subjects:

GHMC946  Research Project A
GHMC94X  Research Project C
GHMC918  Thesis (enrolled for 2 years)

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.

GHMC914  Thesis

(ii) 56 credit points of coursework subjects:

GHMC908  Professional Issues in Psychology
GHMC910  Child and Family Psychology
GHMC919  Clinical Applications of Health Psychology
GHMC926  Counselling Skills
GHMC931  Clinical Neuropsychology
GHMC932  Sociocultural Aspects of Applied Psychology
GHMC933  Professional Workshop Series A (or GHMC 934 Professional Workshop Series B)
GHMC939  Introduction to Cognitive Behavioural Therapy
GHMC969  Advanced Cognitive Behavioural Therapy
GHMC970  Assessment & Psychopathology A
GHMC971  Assessment & Psychopathology B

(iii) 16 credit points of supervised practical clinical experience:

GHMC938  Practicum 1A
GHMC942  Practicum 1B
GHMC943  Practicum 2A
GHMC944  Practicum 2B

(iv) 72 credit points of independent but supervised research in the subjects:

GHMC946  Research Project A
GHMC94X  Research Project C
GHMC914  Thesis

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.
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:
GHMC998 Honours Masters by Research

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:
GHMC908 Professional Issues in Psychology
GHMC910 Child and Family Psychology
GHMC919 Clinical Applications of Health Psychology
GHMC926 Counselling Skills
GHMC931 Clinical Neuropsychology
GHMC932 Sociocultural Aspects of Applied Psychology
GHMC933 Professional Workshop Series A (or GHMC 934 Professional Workshop Series B)
GHMC939 Introduction to Cognitive Behavioural Therapy
GHMC969 Advanced Cognitive Behavioural Therapy
GHMC970 Assessment & Psychopathology A
GHMC971 Assessment & Psychopathology B

(ii) 16 credit points of supervised practical clinical experience:
GHMC938 Practicum 1A
GHMC942 Practicum 1B
GHMC943 Practicum 2A
GHMC944 Practicum 2B

(iii) 24 credit points of independent but supervised research in the subjects:
GHMC946 Research Project A
GHMC947 Research Project B

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:
GHMC952 Professional Skills for Psychologists
GHMC976 Assessment in Applied Psychology
GHMC977 Counselling Psychology
GHMC979 Major Research Project

Plus two electives chosen from the following:
GHMC975 Health Psychology
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 B
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:

- GHMC952 Professional Skills for Psychologists
- GHMC975 Health Psychology
- GHMC976 Assessment in Applied Psychology
- GHMC977 Counselling Psychology
- GHMC978 Child and Adolescent Psychology
- GHMC979 Major Research Project

Graduate Certificate In Cognitive Neuroscience

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:

- GHMC964 Cognitive and Affective Neuroscience
- GHMC966 Psychophysiology: Insights into Brain and Behaviour
- GHMC967 Models of the Human Brain and their Applications

Students with appropriate backgrounds may be permitted to replace GHMC966 with an individual project (GHMC959 Research Project).

GRADUATE SCHOOL OF PUBLIC HEALTH

COURSES OFFERED
The following postgraduate courses are available:

- Doctor of Philosophy
- Doctor of Public Health
- Honours Master of Science
- Master of Business Administration (Health Management)
- Master of Health Management
- Master of Public Health
Master of Science (Health Policy and Management)
Master of Science (Environmental Health)
Master of Science (Mental Health)
Graduate Diploma in Public Health
Graduate Diploma in Science (Environmental Health)
Graduate Diploma in Science (Mental Health)
Graduate Certificate in Health Management
Graduate Certificate in Mental Health
Graduate Certificate in Public 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.

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
Health and society
Mental health
Nutrition (Obesity, Diabetes)
Occupational health and safety

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, Medical Anthropology. 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.

Doctor Of Public Health
The Doctor of Public Health (DPH) 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 DrPH 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.

1. GHMD904 Epidemiology
2. GHMD983 Statistics in Health Research
3. GHMD905 Social Foundations of Public Health
4. GHMD984 Health Research Methodology

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.

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.

Master Of Business Administration (Health Management)
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.

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 four-years full-time relevant work experience, may be admitted to the program.

Articulation with the Master of Science (Health Policy and Management) and the MBA (Health Management) Program
The Master of Health Management (MHM) articulates with the Master of Science (Health Policy and Management) and the Health Management specialisation (Schedule 12) of 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 compulsory and specialisation MBA subjects, under the advice of the program coordinator.

Core Subjects
GHMD906 Quality Management for Health Services
GHMD908 Health Service Planning and Evaluation
GHMD909 Comparative Health Systems: Policies and Politics
GHMD924 Health Information Systems
WBS901 Accounting for Managers
WBS903 Managing People in Organisations
WBS904 Marketing Management
WBS910 Economic Analysis of Health Care

Master Of Public Health

The Public Health courses are available for on-campus attendance or nationally, 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 over 3 years. For part time students the timetable is designed 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
GHMD904 Epidemiology
GHMD905 Social Foundations of Public Health
GHMD906 Quality Management for Health Services
GHMD912 Health Promotion
GHMD983 Statistics in Health Research
GHMD984 Health Research Methodology

Plus 36cp chosen from elective subjects:

Electives
ECON918 Economics of Health Care
GHMD903 Public Health Communication and Data Skills
GHMD907 Independent Study in Public Health
GHMD908 Health Services Planning and Evaluation
GHMD909 Comparative Health Systems: Policies and Politics
GHMD913 Drug Problems and Issues
GHMD924 Health Information Systems
GHMD925 Aboriginal Health Issues
GHMD936 Public Health Nutrition
GHMD981 Practical Applications of Service Delivery in Maternal and Child Health
GHMD985 Applied Epidemiology
GHMD986 Environmental Health
GHMD997 Major Project
ACCY969 Financial Management for Health Services
ECON918 Economics of Health Care
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: GHMD984 Health Research Methodology is a pre-requisite for GHMD997 Major Project. Students must have the permission of the Coordinator to undertake GHMD907 or GHMD997.

Master Of Science (Health Policy And 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 four years may be admitted as a candidate.

Core Subjects
GHMD906 Quality Management for Health Services
GHMD908 Health Services Planning and Evaluation
GHMD909 Comparative Health Systems: Policies and Politics
GHMD924 Health Information Systems
WBS901 Accounting for Managers
WBS903 Managing People in Organisations
WBS904 Marketing Management
WBS910 Economic Analysis of Health Care
LAW960 Legal Studies for Professionals
GHMD983 Statistics in Health Research
GHMD904 Epidemiology

and one elective

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 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**

- GHMD904 Epidemiology
- GHMD984 Health Research Methodology
- GHMD985 Applied Epidemiology
- GHMD986 Environmental Health
- ENVI921 Environmental Planning
- GHMD983 Statistics in Health Research
- STS931 Risk Assessment, Health and Safety

Together with either 30 credit points of further course work from the elective subjects listed below, or one elective plus

- GHMD997 Major Project

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:

**Electives**

- GHMD903 Public Health Communication and Data Skills
- GHMD905 Social Foundations of Public Health
- GHMD906 Quality Management for Health Services
- GHMD909 Comparative Health Systems: Policies and Politics
- GHMD940 Principles and Practice of Occupational Health
- GHMD941 Occupational Hygiene and Industrial Toxicology
- LAW960 Legal Studies for Professionals
- STS929 Studies in Resource and Environmental Policy #

or other subjects offered by the University with the approval of the Head of Department.

**Master Of Science (Mental Health)**

The Mental Health courses are available for on-campus attendance or nationally, by distance education.

The degree places emphasis on quality clinical and practical training both at the individual and population level. It emphasises the development of essential skills and conceptual knowledge needed for mental health research. The postgraduate mental health program responds to national priorities to equip the mental health workforce for comprehensive, community-based treatment and the rehabilitation of people suffering from serious mental health illness. This program is multidisciplinary and in line with the National Mental Health Policy and Plan, provides knowledge and supervised skills for case-management, rehabilitation, health services management and mental health research.
COURSE STRUCTURE
The course can be undertaken full-time over 18 months or part-time over 3 years. The Master of Science (Mental Health) degree is designed with the part-time student in mind within the on-campus program. There are approximately four hours of contact per week for the part-time candidate and wherever possible, classes are scheduled on one afternoon per week beginning at 1.30pm.

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

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<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>GHMD905</td>
<td>Social Foundations of Public Health</td>
</tr>
<tr>
<td>GHMD965</td>
<td>Principles and Practices of Psychosocial Rehabilitation</td>
</tr>
<tr>
<td>GHMD970</td>
<td>Comprehensive Systems of Mental Health Care</td>
</tr>
<tr>
<td>GHMD971</td>
<td>Assessment and Diagnosis in Mental Health</td>
</tr>
<tr>
<td>GHMD973</td>
<td>Case Management in Mental Health</td>
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<tr>
<td>GHMD983</td>
<td>Statistics in Health Research</td>
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</tbody>
</table>

together with at least two subjects from the following:

Electives

<table>
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<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON918</td>
<td>Economics of Health Care</td>
</tr>
<tr>
<td>GHMD904</td>
<td>Epidemiology</td>
</tr>
<tr>
<td>GHMD906</td>
<td>Quality Management for Health Services</td>
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<tr>
<td>GHMD907</td>
<td>Independent Study in Public Health</td>
</tr>
<tr>
<td>GHMD908</td>
<td>Health Services Planning and Evaluation</td>
</tr>
<tr>
<td>GHMD909</td>
<td>Comparative Health Systems: Policies and Politics</td>
</tr>
<tr>
<td>GHMD913</td>
<td>Drug Problems and Issues</td>
</tr>
<tr>
<td>GHMD924</td>
<td>Health Information Systems</td>
</tr>
<tr>
<td>ACCY969</td>
<td>Financial Management for Health Services</td>
</tr>
<tr>
<td>GHMD976</td>
<td>Supervised Clinical Practice</td>
</tr>
<tr>
<td>GHMD984</td>
<td>Health Research Methodology</td>
</tr>
</tbody>
</table>

together with either 24 credit points of further course work from the
elective subjects listed above, or
GHMD997 Major Project

Note: GHMD984 Health Research Methodology is a pre-requisite for GHMD997 Major Project.

Subject to approval relevant subjects from other programs may also be taken as electives.

Graduate Diploma In Public Health

The Public Health courses are available for on-campus attendance or nationally, 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. The course can be completed in one year of full time study or part-time equivalent.

COURSE STRUCTURE
The course requires the completion of 48 credit points of coursework. The course can be undertaken full-time over 12 months or part-time over 2 years. 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 for studies in 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
- GHMD904 Epidemiology
- GHMD905 Social Foundations of Public Health
- GHMD906 Quality Management for Health Services
- GHMD912 Health Promotion
- GHMD983 Statistics in Health Research

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.

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 five 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
- GHMD984 Health Research Methodology
- GHMD986 Environmental Health
- GHMD983 Statistics in Health Research
- STS931 Risk Assessment, Health and Safety

plus 18 cp chosen from the following electives:

Electives
- GHMD903 Public Health Communication and Data Skills
- GHMD905 Social Foundations of Public Health
- GHMD909 Comparative Health Systems: Policies and Politics
- GHMD940 Principles and Practice of Occupational Health
- GHMD941 Occupational Hygiene and Industrial Toxicology
- GHMD985 Applied Epidemiology
- GHMD987 Risk Assessment: Essential Methods and Techniques
- ENVI921 Environmental Planning
- LAW960 Legal Studies for Professionals
Graduate Diploma In Science (Mental Health)

The Mental Health courses are available for on-campus attendance or nationally, by distance education.

The Graduate Diploma in Science (Mental Health) program responds to national priorities in order to equip the mental health workforce and the general health workforce, for comprehensive, community-based treatment and rehabilitation of people suffering from mental illness. The Graduate Diploma in Science (Mental Health) aims to produce students with the clinical and professional competence to work across the full range of mental health services and to provide assessment, diagnosis, case management, treatment, rehabilitation and support for people with mental health illness and their families in line with the National Mental Health Policy and Plan.

COURSE STRUCTURE
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 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
GHMD965 Principles and Practices of Psychosocial Rehabilitation
GHMD970 Comprehensive Systems of Mental Health Care
GHMD971 Assessment and Diagnosis in Mental Health
GHMD973 Case Management in Mental Health
GHMD983 Statistics in Health Research
together with 2 subjects from the following:

Electives
ECON918 Economics of Health Care
GHMD904 Epidemiology
GHMD906 Quality Management for Health Services
GHMD907 Independent Study in Public Health
GHMD908 Health Services Planning and Evaluation
GHMD909 Comparative Health Systems: Policies and Politics
GHMD913 Drug Problems and Issues
GHMD924 Health Information Systems
ACCY969 Financial Management for Health Services
GHMD976 Supervised Clinical Practice
GHMD984 Health Research Methodology

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 four 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:

- GHMD906 Quality Management for Health Services
- GHMD908 Health Services Planning and Evaluation
- GHMD909 Comparative Health Systems: Policies and Politics
- GHMD924 Health Information Systems

Two subjects selected from:

- WBS901 Accounting for Managers
- WBS903 Managing People in Organisations
- WBS904 Marketing Management
- WBS910 Economic Analysis of Health Care

Professional Recognition
For members of the Australian College of Health Service Executives, successful completion of individual subjects attracts Continuing Professional Development (CPD) credit.

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

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 Certificate 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
- GHMD970 Comprehensive Systems of Mental Health Care

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Graduate Certificate in Public Health

The Public Health courses are available for on-campus attendance or nationally, 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). In special circumstances, an applicant holding other acceptable qualifications and with relevant work experience of not less than two years may be admitted to studies.

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:

GHMD903 Public Health Communication & Data Skills
GHMD904 Epidemiology
GHMD905 Social Foundations of Public Health
GHMD906 Quality Management for Health Services
GHMD908 Health Services Planning and Evaluation
GHMD909 Comparative Health Systems: Policies and Politics
GHMD912 Health Promotion
GHMD913 Drug Problems and Issues
GHMD924 Health Information Systems
GHMD936 Public Health Nutrition
GHMD981 Practical Applications of Service Delivery in Maternal and Child Health
GHMD983 Statistics in Health Research
GHMD984 Health Research Methodology
GHMD985 Applied Epidemiology
GHMD986 Environmental Health
STAT252 Statistics for the Natural Sciences

Note: GHMD904 and GHMD984 must be taken concurrently with STAT252 unless the student has previously studied a statistics subject.

Note: These subjects are not available by distance education.

SMART FOODS CENTRE

COURSES OFFERED
The following postgraduate courses are available:

Doctor of Philosophy
Master of Business Administration (Nutrition Management)
Master of Nutrition Management
Master of Science (Nutrition Management)
Graduate Certificate in Nutrition Management

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.

**Doctor Of Philosophy**

*Years 1-3*

**GHMA999 Major Thesis**

**Master Of Business Administration (Nutrition Management)**

For admission directly to the Master of Business Administration (Nutrition Management):

Applicants must possess an undergraduate degree from a recognised Australian university or institution of equivalent standing with a grade average of at least 60% or;

Applicants must possess an undergraduate degree from a recognised Australian university or institution of equivalent standing with a grade average between 50% and 59% and must also have completed a minimum of two years full time relevant work experience (managerial or supervisory in nature and/ or which carries a level of responsibility) after graduation.

In special circumstances, applicants who hold other academic or professional qualifications and have a minimum of five years full-time or ten years part-time relevant work experience may also be granted admission to the program.

International students 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 (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
- WBS906 Business Information Systems
- WBS908 Supply Chain Management Strategy
- WBS921 Strategic Decision Making
- WBS920 International Business Environment Strategy

**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.

Master of Nutrition Management is available part time over four sessions in 2000, but will be available both part-time (four sessions) and full time (two sessions) in 2001. 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 (Nutrition Management) program to receive this as an additional qualification.

The Master of Nutrition Management comprises 4 nutrition and 4 management subjects (48cp). In 2000, only part-time attendance is available. This is offered in flexible delivery mode, by building up subjects through completion of short courses. In 2001, the Master of Nutrition Management can be completed on a full-time basis over 2 sessions. The Master of Nutrition Management is a full fee paying program. Subjects are as follows:

- SFC901 Contemporary Issues in Food and Nutrition
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
or
4 electives chosen from the Master of Business Administration (Nutrition Management) subjects or other subjects approved by the Associate Director (Education).

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) in 2000, and over one session (full-time) or two sessions (part-time) from 2001. 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
SFC902 Food Regulation and Policy in Australia
SFC903 Nutrition Research
SFC904 Nutrition in Food Innovation

Plus two subjects chosen from:

WBA901 Accounting for Managers
WBS902 Statistics for Decision Making
WBS903 Managing People in Organisations
WBS904 Marketing Management
FACULTY OF HEALTH AND BEHAVIOURAL SCIENCES

GHMA906 Research Projects
To be advised Autumn/Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Research report and performance
Contact Hours:
Subject Description: This subject requires the student to research in detail a problem identified in an approved research discipline area. Students will conduct their research project with their supervisors.

GHMA909 Practicum
To be advised Autumn/Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Performance based
Contact Hours:
Subject Description: Students will undertake a period of supervised research training with their supervisor generally within a laboratory or clinical setting.

GHMA913 Special Topics
To be advised Autumn/Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Performance based
Contact Hours:
Subject Description: Individual directed study with the student's supervisor.

GHMA929 Exercise Psychology and Dietary Counselling
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Assessment of competence in dietary counselling and exam
Contact Hours: 3L/8 S p/w
Subject Description: The subject will combine an understanding of the central features of sports psychology with basic skills in dietary counselling and small group education in the context of diet and exercise. Students will study personality and situational factors influencing participation in sport, and cognitive and behavioural influences on the promotion of healthy lifestyles. They will counsel individuals in dietary change and conduct small group education programs for community members.
Additional Information: Not to count with PSYC216 and GHMA933

GHMA930 Community and Public Health Nutrition
Autumn Wollongong On Campus 8cp
Pre-requisites: BMS 242 And BMS 203 Co-requisites: GHMA931
Exclusions: Restrictions:
Assessment: Assignments, Examination Different assessments will be set for the 300 and 900 level candidates
Contact Hours: 4L/8 S p/w
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 include nutrition surveillance, food policy, program planning and health promotion. There will be a focus on community nutrition practice, covering such topics as maternal and infant nutrition, school based nutrition programs, diabetes education and the health of older people in the community.

GHMA931 Nutrients and Metabolism
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Examination, practical assessment, presentations and reports
Contact Hours: 2L/3P p/w
Subject Description: Content: Human nutrient requirements and their role will be discussed under the following topics: energy requirements, carbohydrate needs - biochemical and physiological control, dietary fibre, protein needs - amino acid metabolism, protein deficiency and other clinical syndromes, lipid-lipoprotein metabolism, alcohol metabolism, fasting, starvation and refeeding, minerals and trace metals and vitamins.

GHMA932 Research in Human Nutrition
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Assignments, examination
Contact Hours: 4L/8 S p/w
Subject Description: The subject will introduce students to a range of key areas of research in human nutrition. Beginning with an overview of nutrition research and the development of literature reviews, topics will include diet intake methodology, the use of nutrient databases, biomedical assays and indicators, epidemiological and ethnographic approaches as they relate to nutrition.

GHMA933 Communication in Healthcare Practice
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Assessment in Small Group 40%, Assessment in Counselling 30%, Assessment in Team Activities 30%
Contact Hours: 4L/8 S p/w
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.

GHMA934 Dietetics
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Assignment 15%, Case Studies 25%, Final Exam 60%
Contact Hours: 4L/S p/w
Subject Description: Dietetics concerns the manipulation of food and dietary data with the aim of supporting nutritional health. This subject focuses 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.

GHMA935 Food Service and Dietetics Management
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment:
Contact Hours: See Additional Info
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.
Additional Information: Contact hours: 3 hrs lectures/seminars per week plus average 1.5 hrs TAFE per week (block times as scheduled)

GHMA937 Practical Studies in Nutrition and Dietetics
Annual Wollongong On Campus 24cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment:
Contact Hours: 21wk placement,35S
Subject Description: This subject comprises a practicum of at least 20 weeks duration which is spent in community health/fitness centres, hospitals 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.
Additional Information: This course covers 3 sessions

GHMA951 Advanced Exercise Rehabilitation
Spring Wollongong On Campus 8cp
Pre-requisites: BMS351,BMS203,BMS242
Co-requisites: Exclusions: Restrictions: Assessment:
Contact Hours: Not avail in 2000
Subject Description: This subject extends the study of exercise rehabilitation providing revision related to the structure and function of major joints and introduces common pathologies - mechanisms and outcomes. The subject covers information related to evaluation of the injured site and the design and management of appropriate exercise rehabilitative techniques designed to improve functional capabilities and prevent reinjury. This subject also focuses on cardiovascular pathology providing essential information about the design and management of post-coronary exercise interventions.
Subject Objectives: Understanding of basic strength and conditioning principles and how they are applied to the injured populations. Ability to perform a task analysis. Thorough understanding of joint and muscle structure and function. Competent movement analysis of isolated and combined movement. Understanding of common musculoskeletal pathologies and intervention. Competent in designing and implementing effective exercise programs to maximise the potential functional gain of patients with musculoskeletal pathologies.

GHMA997 Major Project
Autumn/Spring Wollongong On Campus 24cp
Pre-requisites: Satisfactory prior knowledge of research methods. Consult academic adviser.
Co-requisites: Exclusions: Restrictions: Assessment:
Contact Hours: Group or individual research project.

GHMA999 Major Thesis
Annual Wollongong On Campus 48cp
To be advised Autumn/Spring Wollongong On Campus
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment:
Subject Description: Group or individual research project.

GHMB900 Nursing: The Professional Context
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment:
Contact Hours: 3 per week
Subject Description: Students will be encouraged to explore nursing topics currently creating controversy and debate within the professional milieu of the nursing profession. Issues which impact on nursing education and management will be examined. Topics will include the career structure for the nursing profession and the role of the nurse within this context.

GHMB902 Nursing Management
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment:
Contact Hours: 3 per week
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.

GHMB903 Scientific and Qualitative Developments in Acute Care Nursing
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment:
Contact Hours: 3 per week

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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.

GHMB904 Modalities of Care: Mental Health  
Autumn Wollongong On Campus 6cp  
Pre-requisites: Co-requisites:  
Exclusions: Restrictions:  
Assessment:  
Contact Hours: 3 per week  
Subject Description: This subject addresses the most frequently used of 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.

GHMB905 Special Topic in Nursing  
Annual Wollongong On Campus 12cp  
Pre-requisites: Co-requisites:  
Exclusions: Restrictions:  
Assessment:  
Contact Hours: 3 per week  
Subject Description: Through reflective processes the special topic in nursing allows the student to investigate issues arising directly from clinical practice, and the application of theory and empirical research to the clinical arena. The student is encouraged to develop one or more themes emanating from areas of clinical interest into researchable propositions.

GHMB906 Acute Care Nursing: Reflections on Practice  
Autumn Wollongong On Campus 6cp  
Pre-requisites: Co-requisites:  
Exclusions: Restrictions:  
Assessment:  
Contact Hours: 3 per week  
Subject Description: Focuses on relevant theories, themes and issues that have a practical bearing upon acute care nursing, and on models of acute care nursing that address evidence based practice. Practical aspects include pathophysiology of the Cardiovascular, Respiratory, Nervous and Alimentary systems and Acid Base balance; and Introduction to Electrocardiograph Interpretation.

GHMB907 Fundamental Concepts in Developmental Disability  
Autumn Wollongong On Campus 6cp  
Pre-requisites: Co-requisites:  
Exclusions: Restrictions:  
Assessment:  
Contact Hours: 4 Weekends  
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.

GHMB908 Applied Behavioural Science For Developmental Disability Practice  
Spring Wollongong On Campus 6cp  
Pre-requisites: GHMB907 Fundamental Concepts in Developmental Disability  
Co-requisites:  
Exclusions:  
Assessment:  
Contact Hours: 2 per week  
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 provide 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.

GHMB909 Multiples Disability  
Autumn Wollongong On Campus 6cp  
Pre-requisites: GHMB907 Fundamental Concepts in Developmental Disability  
Co-requisites:  
Exclusions: Restrictions:  
Assessment:  
Contact Hours: 4 Weekends  
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 provide 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.

GHMB910 Contemporary Issues in Developmental Disability  
Spring Wollongong On Campus 6cp  
Pre-requisites: GHMB907 Fundamental Concepts in Developmental Disability  
Co-requisites:  
Exclusions: Restrictions:  
Assessment:  
Contact Hours: 3 Weekends  
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 develop-mental disabilities that must be addressed. This course will require independent and thoughtful analysis of such issues and critical assessment of current practice.

GHMB920 Applied Midwifery Studies  
Summer Wollongong On Campus 12cp  
Pre-requisites: GHMB921 and GHMB922 (Part-time students)  
Co-requisites: GHMB924, GHMB921, GHMB922 (Full-time students)  
Exclusions: Restrictions:  
Assessment:  
Contact Hours:  
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.  
Additional Information: Students must complete 900 hours supernumerary mode or no less than 1200 hours part supernumerary/part paid.

GHMB921 Reproductive Bioscience  
Annual Wollongong On Campus 8cp  
Pre-requisites: Co-requisites:  
Exclusions: Restrictions:  
Assessment:  
Contact Hours:  
Subject Description: This subject addresses the most frequently used of 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 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, foetal, neonatal and maternal development will be addressed. Technology used in assessment, diagnosis and intervention at all stages of the reproductive process will be explained.

GHMB922 Psychosocial Development of the Family
Annual Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 2 per week
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.

GHMB923 Legal and Professional Issues
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 3 per week
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.

GHMB924 Midwifery Studies
Annual Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 3 per week
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.

GHMB930 Clinical Education
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 3 per week
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.

GHMB931 Clinical Supervision and Assessment
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 3 per week
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.

GHMB940 Indigenous Family Studies
Autumn/Spring Wollongong Flexible Delivery 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 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 Marian Martin on Marian_Martin@uow.edu.au or 02) 4221 3766 for further information. This subject is offered as flexible delivery.

GHMB941 Indigenous Health Patterns
Summer Wollongong On Campus 6cp
Autumn/Spring Wollongong Flexible Delivery 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: half day + 1wk block
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. Additional Information: The subject name may change in Spring Session. Please contact Marian Martin on Marian_Martin@uow.edu.au or 02) 4221 3766 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.

GHMB942 Special Topic
Autumn/Spring Wollongong Flexible Delivery 12cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 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. Additional Information: The subject name may change in Spring Session. Please contact Marian Martin on Marian_Martin@uow.edu.au or 02) 4221 3766 for further information. This subject is offered as flexible delivery.

GHMB943 Health and Human Ecology
Autumn/Spring Wollongong Flexible Delivery 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 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. Additional Information: The subject name may change in Spring Session. Please contact Marian Martin on Marian_Martin@uow.edu.au or 02) 4221 3766 for further information. This subject is offered as flexible delivery.
Marian_Martin@uow.edu.au or 02) 4221 3766 for further information. This subject is offered as flexible delivery.

GHMB944 Community Resource Planning
Autumn/Spring Wollongong Flexible Delivery 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.
Additional Information: The subject name may change in Spring Session. Please contact Marian Martin on Marian_Martin@uow.edu.au or 02) 4221 3766 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.

GHMB946 Functional Community Structures
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 3 Sundays
Subject Description: This subject focuses on needs assessment techniques. Involves the analysis and planning of local program development, relevant health promotion strategies and program evaluation.
Additional Information: The subject name may change in Spring Session. Please contact Marian Martin on Marian_Martin@uow.edu.au or 02) 4221 3766 for further information. This subject is offered as a weekend delivery over 3 weekends during session.

GHMB989 Mental Health Nursing: Clinical Principles and Practice
Annual Wollongong Flexible Delivery 12cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

GHMB990 Applied Midwifery Studies - Part 1
Summer Wollongong On Campus 6cp
Pre-requisites: GHMB921 and GHMB922 (Part-time students) Co-requisites: GHMB924, GHMB921, GHMB922 (Full-time students)
Exclusions: Restrictions: Assessment: Contact Hours:
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.

Additional Information: Students must complete 900 hours supernumerary mode or no less than 1200 hours part supernumerary/part paid.

GHMB991 Applied Midwifery Studies - Part 2
Autumn Wollongong On Campus 6cp
Pre-requisites: GHMB921 and GHMB922 (Part-time students) Co-requisites: GHMB924, GHMB921, GHMB922 (Full-time students)
Exclusions: Restrictions: Assessment: Contact Hours:
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.

GHMB997 Major Project
Annual/Autumn/Spring Wollongong On Campus 24cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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 expected to work closely with a supervisor on a project where a common interest exists.

GHMB998 Minor Thesis
Annual/Autumn/Spring Wollongong On Campus 24cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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 expected to present a seminar on their chosen thesis topic prior to completion of the thesis.

GHMB999 Major Thesis
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
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.

GHMC908 Professional Issues in Psychology
Spring Wollongong On Campus 4cp
Pre-requisites: None Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours: 1.5 hrs seminar
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.
GHMC910 Child and Family Psychology
Autumn Wollongong On Campus 4cp
Pre-requisites: None Co-requisites: None
Exclusions: None Restrictions: None
Assessment: Essay on models, in class exam, case report.
Contact Hours: 1.5 hrs seminar
Subject Description: The subject examines models of assessment and intervention within the context of typical and atypical child development from a Scientist practitioner framework. Topics will include work with children, parents and families concerned with emotional and behavioural disorders, learning difficulties, ADHD problems, anxiety disorders, and depression.

GHMC914 Thesis
Annual Wollongong On Campus 48cp
Pre-requisites: Available to graduates with an Honours degree of at least Class II Division 1 standard or equivalent in Psychology.
Co-requisites: None Exclusions: None Restrictions: None
Assessment: Contact Hours:
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.

GHMC918 Thesis
Annual Wollongong On Campus 48cp
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: None Exclusions: None Restrictions: None
Assessment: Class presentation 25%, in class test 30%, case study treatment plan 45%
Contact Hours: 1.5 hrs seminar
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.

GHMC919 Clinical Applications of Health Psychology
Autumn Wollongong On Campus 4cp
Pre-requisites: None Exclusions: None Co-requisites: None Restrictions: None
Assessment: Class presentation 25%, in class test 30%, case study treatment plan 45%
Contact Hours: 1.5 hrs seminar
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.

GHMC926 Counselling Skills
Autumn Wollongong On Campus 4cp
Pre-requisites: None Exclusions: None Co-requisites: None Restrictions: None
Assessment: Transcript analysis, video/audio tape evaluation of applied counselling skills and participation.
Contact Hours: 1.5 hrs seminar
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.

GHMC931 Clinical Neuropsychology
Autumn Wollongong On Campus 4cp
Pre-requisites: None Co-requisites: None
Exclusions: None Restrictions: None
Assessment: Seminar presentation, assignments, examinations.
Contact Hours: 2 hrs seminar
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.

GHMC932 Sociocultural Aspects of Applied Psychology
Autumn Wollongong On Campus 4cp
Pre-requisites: None Co-requisites: None
Exclusions: Restrictions: None
Assessment: Case work and/or essay based on specified workshops, final examination.
Contact Hours: 3 hrs seminar
Subject Description: This subject deals with the sociocultural nature of, and the various sociocultural influences on, psychological theory and practice. This includes sociocultural influences on psychologists and their values, and the sociocultural factors that affect concepts of the person, and which shape theories and modes of psychological intervention. The subject also deals with the impact of sociocultural factors upon the expectations, attitudes and values of both psychologists and their clients in psychological interventions.

GHMC934 Professional Workshop Series B
Autumn Wollongong On Campus 4cp
Pre-requisites: None Co-requisites: None
Exclusions: Restrictions: None
Assessment: Assessment: Assessment and/or therapy reports, field placement notebooks.
Contact Hours: 1.5 hrs seminar
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.

GHMC938 Practicum 1A
Autumn Wollongong On Campus 4cp
Pre-requisites: None Co-requisites: None
Exclusions: Restrictions: None
Assessment: Assessment and/or therapy reports, field placement notebooks.
Contact Hours: 1.5 hrs seminar
Subject Description: The lecture/demonstration sessions are intended to prepare students for client contact under supervision. The practicum is composed of 150 hours of supervised case-work from the Northfields/other specified clinics, and should include adult and child case-work. The student will be required to attend group and individual supervision sessions as well as have assessment/therapy sessions taped for discussion and feedback.

GHMC939 Introduction to Cognitive Behavioural Therapy
Autumn Wollongong On Campus 4cp
Pre-requisites: None Co-requisites: None
Exclusions: Restrictions: None
Assessment: Audio or video-taped, written examination.
Contact Hours: 2 hrs seminar
Subject Description: The subject aims to provide students with an understanding of the theoretical principles underlying cognitive-behavioural therapy (CBT), the theoretical rationale for cognitive-behavioural techniques, an overview of outcome research on and the practical applications of CBT in clinical and non-clinical
settings. Preliminary skills with regard to conduct of behavioural assessments, relaxation and systematic-desensitisation therapies will be demonstrated.

GHMC942 Practicum 1B
Spring  Wollongong On Campus  4cp
Co-requisites: GHMC938 Practicum 1A
Exclusions: Restrictions:
Assessment: Psychological assessment and/or therapy reports, field placement notebooks, reports from external supervisors.
Contact Hours:
Subject Description: The practicum is composed of 300 hours of supervised case-work from the Northfields Clinic and/or an external agency. The student will 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 GHMC943 and GHMC944, exposure to a wide range of clinical/applied contexts will be required.

GHMC943 Practicum 2A
Autumn  Wollongong On Campus  4cp
Pre-requisites: GHMC938 Practicum 1A
Co-requisites: Exclusions: Restrictions:
Assessment: Case presentation, field placement notebooks, reports from external supervisors, assessment and/or therapy reports
Contact Hours:
Subject Description: The practicum is composed of 300 hours of case-work from the Northfields Clinic and/or external agencies providing psychological services. The student might be required to attend group and individual supervision sessions as well as have assessment/therapy sessions taped for discussion and feedback. The placement may occur with agencies providing either child or adult services, however when considered together with GHMC942 and GHMC944, exposure to a wide range of clinical/applied contexts (specified elsewhere) will be required.

GHMC944 Practicum 2B
Spring  Wollongong On Campus  4cp
Pre-requisites: GHMC938 Practicum 1A
Co-requisites: Exclusions: Restrictions:
Assessment: Psychological assessment and/or therapy reports, field placement notebooks, reports from external supervisors, audio tape of therapy session
Contact Hours:
Subject Description: The practicum is composed of 250 hours of case-work from Northfields clinic and/or external agencies. The student might be required to attend group and individual supervision sessions as well as have assessment/therapy sessions taped for discussion and feedback. The placement may occur with agencies providing either child or adult services, however when considered together with GHMC938, and GHMC943, exposure to a wide range of clinical/applied contexts will be required.

GHMC946 Research Project A
Autumn  Wollongong On Campus  8cp
Pre-requisites: Successful completion of the 1st year Clinical programme
Co-requisites: Exclusions: Restrictions:
Assessment: Contact Hours: 1 hr seminar
Subject Description: Research Project A aims to equip students with a wide variety of research skills required for professional psychology. The content will begin by covering the conceptual bases, aims, context, sampling, designs, methods of data collection, followed by discussion of principles and procedures governing selection and implementation of data analyses. Ethical issues in conducting research are reviewed. Students will develop skills to evaluate research critically and interpret data. Students will develop and conduct a research project in a relevant area of professional psychology and submit a comprehensive literature review and a project report in the form of a journal article. Students completing the DPsych program will also complete Research Project C and the Thesis (GHMC914).

GHMC947 Research Project B
Spring  Wollongong On Campus  16cp
Pre-requisites: Successful completion of the 1st year Clinical programme
Co-requisites: Exclusions: Restrictions:
Assessment: Contact Hours: 1 hr seminar
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.

GHMC952 Professional Skills for Psychologists
Autumn  Wollongong On Campus  6cp
Pre-requisites: None
Co-requisites: Exclusions: Restrictions:
Assessment: audio-taped interview, seminar presentations, final examination
Contact Hours: 1hr lect/1hr sem.
Subject Description: The subject aims to provide students with preliminary counselling skills including strategies that facilitate rapport, trust, and behavioural and attitudinal change within a counselling context. Criteria and requirements for Registration as a Psychologist will be addressed. Small group sessions will involve the use of role-play to demonstrate, rehearse and shape basic counselling skills.

GHMC959 Advanced Cognitive Behavioural Therapy
Spring  Wollongong On Campus  8cp
Pre-requisites: GHMC939 Introduction to CBT
Co-requisites: Exclusions: Restrictions:
Assessment: Audio-tape of therapy conducted by student, examination
Contact Hours: 2 x 2hrs seminar
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.

GHMC970 Assessment and Psychopathology A
Autumn  Wollongong On Campus  8cp
Pre-requisites: None  
Co-requisites:  
Assessment: Seminar/case presentations, audio/video tape of assessment interview, psychological test reports.  
Contact Hours: 4 hrs seminar  
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 psychological disorders and the assessment of these conditions by clinical interview and by 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.

GHMC971 Assessment and Psychopathology B  
Spring  Wollongong On Campus  
Pre-requisites: GHMC970 Assessment and Psychopathology A  
Co-requisites:  
Exclusions:  
Assessment: Seminar/case presentations, audio-tape of assessment interview, psychological test reports.  
Contact Hours: 2 x 2hrs seminar  
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 by 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.

GHMC975 Health Psychology  
Spring  Wollongong On Campus  
Pre-requisites: None  
Co-requisites:  
Exclusions:  
Assessment: essay, take home exam, program and evaluation presentations, final research report.  
Contact Hours: 2 hrs seminar  
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.

GHMC976 Assessment in Applied Psychology  
Annual  Wollongong On Campus  
Pre-requisites: None  
Co-requisites:  
Exclusions:  
Assessment: two assignments (involving two reports in total) worth 50% each  
Contact Hours: 2hr sem. fortnightly  
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.

GHMC977 Counselling Psychology  
Spring  Wollongong On Campus  
Pre-requisites: None  
Co-requisites:  
Exclusions:  
Assessment: tape transcript analysis, short report, videotaped counselling skills assignment  
Contact Hours: 2.5 hrs seminar  
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 counselling orientations can develop. In order to provide students with an alternative but complementary framework from which counselling can proceed, the second half of the course will examine a cognitive behavioural approach.

GHMC978 Child and Adolescent Psychology  
Autumn  Wollongong On Campus  
Pre-requisites: None  
Co-requisites:  
Exclusions:  
Assessment: assignments 70%, take home examination 30%  
Contact Hours: 2 hrs seminar  
Subject Description: This subject focuses on a range of childhood and adolescent concerns or problem behaviours within a broad developmental framework. The subject will provide students with a general introduction to the specific problems and needs of children, adolescents and parents who present at community health or child guidance clinics. Problems such as conduct disorders, attention deficit hyperactive disorders, school based adjustment and learning problems, anxiety disorders, problems of abuse and adolescent health risk behaviours will be examined.

GHMC979 Major Research Project  
Annual  Wollongong On Campus  
Pre-requisites: None  
Co-requisites:  
Exclusions:  
Assessment: empirical study report of between 6,000 and 8,000 words  
Contact Hours: 1 hr seminar  
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.

GHMC998 Thesis  
Annual  Wollongong On Campus  
Pre-requisites: Available to graduates with an Honours degree of at least Class II, Division 2 standard  
Co-requisites:  
Exclusions:  
Assessment:  
Contact Hours:  
Subject Description: Master of Science Honours (Research) 

GHMC999 Thesis  
Annual  Wollongong On Campus  
Pre-requisites: Available to graduates with an Honours degree of at least Class II, Division 1 standard  
Co-requisites:  
Exclusions:  
Assessment:  
Contact Hours:  
Subject Description: (Doctor of Philosophy)

GHMD903 Public Health Communication and Data  
Autumn/Spring  Wollongong On Campus  
Pre-requisites:  
Co-requisites:  
Exclusions:  
Assessment: Each module will be assessed separately on a pass/fail basis.  
Contact Hours: 3 hours  
Subject Description: The aim is to acquire and practise a number of skills using public health examples. With the agreement of the coordinator, the student selects three modules. Modules include:
1) Epi-Info including small case studies; 2) Communication in public health including interviews, written and oral presentation; 3) Information sources including library and Internet searches with presentation of results; 4) project management for public health.

**Subject Objectives:** On completion of this subject, you should be able to do three of the following: a) demonstrate skills in and knowledge of the complexity of communication (both orally and written) in the public health setting; b) apply, analyse and synthesise the various methods of searching for information using the currently available tools; c) manipulate various computer packages and understand their uses and limitations and d) plan and evaluate the progress of a public health project and demonstrate knowledge about the theories of project management.

**GHMD904 Epidemiology**

**Spring** Wollongong On Campus 6cp

Spring/OLA Session 3 Wollongong Flexible Delivery

**Pre-requisites:** GHMD983 - Statistics in Health Research

**Co-requisites:** Exclusions:

**Restrictions:** OLA Session only available for students enrolled through OLA

**Assessment:** Two assignments - 25%, Examination - 50%

**Contact Hours:**

**Subject Description:** Principles and methods of epidemiological investigation including analytic and experimental epidemiology. Topics to be covered are: measurement in epidemiology, descriptive epidemiology, screening, design of survey, case control and cohort studies, analysis of studies, critical appraisal, clinical trial design, biological inference and causality.

**Additional Information:** OLA sessions only available for Health Management programs.

**GHMD905 Social Foundations of Public Health**

**Autumn** Wollongong On Campus 6cp

Autumn/OLA Session 1 Wollongong Flexible Delivery

**Pre-requisites:** Co-requisites:

**Exclusions:** OLA sessions only available for students enrolled through OLA

**Assessment:** Two assignments - 60%, Final examination - 40%

**Contact Hours:**

**Subject Description:** This unit 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.

**Additional Information:** OLA sessions only available for students enrolled through OLA

**GHMD906 Quality Management For Health Services**

**Spring** Wollongong On Campus 6cp

Spring/OLA Session 3 Wollongong Flexible Delivery

**Pre-requisites:** Co-requisites:

**Exclusions:** OLA Session only available for students enrolled through OLA

**Assessment:** One assignment - 30% One assignment - 30% One assignment - 40%

**Contact Hours:**

**Subject Description:** Develops knowledge and skills in the application of contemporary quality management theories and concepts. Examines the powerful forces driving change in the organisation and management of health care organisations and the implications for health care managers. Traditional approaches are contrasted with contemporary approaches using case studies. The subject is in three modules: agenda for change; managing people through change; and the tools of quality management.

**GHMD907 Independent Study in Public Health**

**Autumn/Spring/Summer** Wollongong On Campus 6cp

Autumn/Spring Wollongong Flexible Delivery

OLA Session 1/OLA Session 3 Wollongong Flexible Delivery

**Pre-requisites:** Co-requisites:

**Exclusions:**

**Restrictions:** Only available by prior arrangement with Head of Graduate School of Public Health. OLA sessions available only for students enrolled through OLA

**Assessment:** Will reflect on the learning contract.

**Contact Hours:**

**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.

**Additional Information:** For contact hours please contact Kay Kent, Student Liaison Officer on 0242214078 as this may depend on placement.

**GHMD908 Health Services Planning and Evaluation**

**Spring** Wollongong On Campus 6cp

Spring/OLA Session 3 Wollongong Flexible Delivery

**Pre-requisites:** Co-requisites:

**Exclusions:**

**Restrictions:** OLA Session only available for students enrolled through OLA

**Assessment:** One assignment - 30% One assignment - 70%

**Contact Hours:** 2L per week

**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.

**GHMD909 Comparative Health Systems: Policies and Politics**

**Autumn** Wollongong On Campus 6cp

Autumn/OLA Session 1 Wollongong Flexible Delivery

**Pre-requisites:**

**Co-requisites:**

**Exclusions:**

**Restrictions:** OLA Session only available for students enrolled through OLA

**Assessment:** One assignment - 30% One assignment - 40%

**Contact Hours:**

**Subject Description:** This subject examines how ideologies and political processes influence health policy development and health service delivery. The impact of broad socio-economic forces on health status and health policy development are emphasised. The subject is designed to assist individuals to develop analytical and strategic skills.

**GHMD912 Health Promotion**

**Autumn/Spring** Wollongong On Campus 6cp

Spring Wollongong Flexible Delivery

**Pre-requisites:** Co-requisites:

**Exclusions:**

244
Assessment: Essay - 20%, Health promotion literature review - 40%, Examination - 40%

Contact Hours: 2 hours

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 Objectives:
1. 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.

GHMD913 Drug Problems and Issues
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions:
Assessment: To be advised
Contact Hours: 2 hours

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.

GHMD924 Health Information Systems
Autumn/Summer Wollongong On Campus 6cp
Autumn/OLA Session Wollongong Flexible Delivery 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: OLA Session only available for students enrolled through OLA
Assessment: Two minor assignments and one major assignment
Contact Hours:
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.

Additional Information: Summer session dates please contact the Graduate School of Public Health on 0242213463 for confirmation of the following dates 29 Nov, 3 Dec, 6 Dec, 8 Dec, 11 Dec, 13 Dec, 15 Dec and 19 January OLA Session only available for students enrolled through OLA

GHMD925 Aboriginal Health Issues
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions:
Assessment: Contact Hours: 2 hours
Subject Description: Examines the current health status of Aboriginal people from a social and historical perspective. Explores interaction between culture and health, the experience of ill-health, and the political and economic context of health. Focuses on access to and use of health services and problems of cross-cultural communication within the health service.

GHMD936 Public Health Nutrition
Assessment: Two case vignettes - 15% each, One clinical study - 70%

Contact Hours:

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 and family assessment. Ongoing assessment, uses and abuses of diagnosis, uses of assessment for management and research and ethics of assessment are also considered.

GHMD973 Case Management in Mental Health
Spring Wollongong On Campus 6cp
Spring Wollongong Flexible Delivery
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: One essay - 40%, One Case study - 60%
Contact Hours:
Subject Description: This subject provides an overview of intervention options for people presenting with mental illness as well as those requiring intensive rehabilitation. Principles and strategies for crisis intervention, including pharmacological management and family and social network interventions are examined in detail. The principles and practices of case management are examined and utilised as the basis of current and subsequent service delivery.

GHMD976 Supervised Clinical Practice
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: A range of placements exist in both the local Area Health Service and in rural and metropolitan areas. Students are to negotiate details in conjunction with the academic advisers and nominated clinical supervisors before the beginning of session. 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.

GHMD981 Maternal and Child Health in Developing Countries
Summer Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: Examines the components of the “safe motherhood” intervention and “child survival” strategies in developing countries. The subject will give emphasis to 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.

Additional Information: Summer Session dates: 23 Nov, 30 Nov, 7 Dec, 14 Dec, 21 Dec, 11 Jan, 18 Jan, 25 Jan, 1 February. Location - Building 41 Room 201 2pm - 4pm

GHMD983 Statistics in Health Research
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: Introduces basic statistical concepts and methods. Topics covered: collecting data, designing statistical studies, principles of data presentation; exploratory data analysis, probability and statistical models emphasising binomial and normal distributions; categorical data, contingency tables and the Chi-squared distribution; sampling, sample means and the central limit theorem; inference - point estimation, confidence intervals, testing hypotheses; inference about single parameters; comparing means and proportions, analysis of variance, demography.

GHMD984 Health Research Methodology
Spring Wollongong On Campus 6cp
Spring/OLA Session3 Wollongong Flexible Delivery
Pre-requisites: GHMD983 - Statistics in Health Research or equivalent.
Contact Hours: 2 hours
Subject Description: This subject introduces students to health research methodology. Topics include formulating a research question, conducting a literature review and writing a research proposal. Students will acquire skills in interviewing, survey design, and appropriate methods of qualitative and quantitative analysis. Ethical issues such as informed consent and confidentiality will be addressed.

GHMD985 Applied Epidemiology
Autumn Wollongong On Campus 6cp
Pre-requisites: GHMD904 - Epidemiology
Co-requisites: Exclusions: Restrictions: Assessment: One assignment - 10%, 3 assignments - 15%, 1 assignment - 20%, 1 assignment - 25%
Contact Hours: 3 hours
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 statistical computer software and word-processing; 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.

GHMD986 Environmental Health
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: 4 assignments Contact Hours: 2 hours
Subject Description: This subject covers various case studies in environmental health such as air pollution, or 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 of 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.

GHMD996 Thesis MSc (Hons)
Annual Wollongong On Campus 48cp
Pre-requisites: MSc or Bachelor (Hons) or MPH or a Graduate Certificate
Co-requisites:
Exclusions: Restrictions: Approval required from the Head of the Graduate School of Public Health
Assessment: Students are required to successfully complete assignments and pass the examination of the final written work for this subject.
Contact Hours:
Subject Description: Guidelines for this subject are available from the Coordinator. Research seminars are held in both sessions to access progress in the research component and to evaluate the proposal.
Additional Information: Can be obtained from the Subject Coordinator on 0242.214754

GHMD997 Major Project
Autumn/Spring Wollongong On Campus 24cp
Pre-requisites: GHMD984 - Health Research Methodology
Co-requisites:
Exclusions: Restrictions: Approval from Head of the Graduate School of Public Health
Assessment: Contact Hours:
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. Research seminars are held in both sessions to access progress in the research component and to evaluate the proposal.
Additional Information: For further information contact the Course Coordinator on 0242214754

GHMD998 Thesis DPH
Annual Wollongong On Campus 48cp
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:
Exclusions: Restrictions: Prior approval by Head of the Graduate School of Public Health
Assessment: Contact Hours:
Subject Description: Guidelines for this subject have been developed and are available from the Coordinator. Research Seminars are held in both sessions to assess progress in the research component and to evaluate the proposal.
Subject Objectives: Additional Information: Duration - 2 years fulltime for the research component or part time equivalent (96 credit points). Further information can be obtained by contacting the subject coordinator on 0242.214754

GHMD999 Major Thesis (PhD)
Annual Wollongong On Campus 48cp
Pre-requisites: BiSc (Hons), MSc/MPH with research or MSc (Honours) or equivalent.
Co-requisites: Exclusions: Restrictions: Approval by Head of the Graduate School of Public Health
Assessment: Contact Hours:
Subject Description: Guidelines for this subject have been developed and are available from the Coordinator. Research Seminars are held in both sessions to assess progress in the research component and to evaluate the proposal.
Subject Objectives: Additional Information: Duration: 3 years fulltime or part time equivalent. (144 credit points). Further information can be obtained by the subject coordinator on 0242.214754

SFC 904 Nutrition and Food Innovation
Spring Sydney Modular 6cp
Pre-requisites: None Co-requisites: None Exclusions: None Restrictions: This is a full fee subject costing $1750 for all students who enrol
Assessment: Contact Hours: 48
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

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FACULTY OF INFORMATICS

MEMBER UNITS

Electrical, Computer and Telecommunications Engineering
Information Technology and Computer Science
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

CURRENT RESEARCH AREAS

There are two major research centres within the School. The Switched Networks 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 an Honours 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.


INTRODUCTION
This course has been designed to provide students with a thorough and working knowledge of the key telecommunications disciplines and systems of the future. It will provide sufficient coursework to enable students to be able to design networks, transmission and digital signal processing systems. Students will be able to apply and develop the knowledge acquired in these courses to important research problems in advanced telecommunications. The course is aimed at recent graduates in Computer, Electrical or Telecommunications Engineering who wish to pursue a career in telecommunications, and practising engineers seeking to update their knowledge in this rapidly advancing field.

ENTRY REQUIREMENTS
The entrance requirements for this course are the same as those for the Honours Master of Engineering Degree.

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 above).

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 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.

List of Subjects

ECTE901 Fast Signal Processing Algorithms
ECTE902 Stochastic Signal Processing
ECTE903 Image and Video Processing
ECTE904 Adaptive Signal Processing
ECTE905 Speech and Audio Processing
ECTE911 AC-Sourced Power Electronics
ECTE912 DC-Sourced Power Electronics
ECTE913 Micro-Electronics
ECTE921 Power Quality
ECTE922 Power Quality Monitoring
ECTE923 Power Systems
ECTE924 Power Systems Abnormalities
ECTE925 Industrial Drives and Actuators
ECTE926 Power Equipment Design
ECTE931 Real-Time Computing
ECTE932 Computer Systems
ECTE941 Intelligent Control
ECTE942 Computer Controlled Systems
ECTE943 Digital Control
ECTE944 Identification and Optimal Control
ECTE953 Report
ECTE955 Advanced Laboratory
ECTE961 Telecommunications Queueing Theory
ECTE962 Telecommunications System Modelling
ECTE963 Transmission Systems
ECTE964 Antennas and Propagation
ECTE965 Wireless Communications
ECTE966 Spread Spectrum Communications
ECTE967 Mobile Networks
ECTE968 Error Control Coding
ECTE971 Robotics Manipulators
ECTE972 Robotics Sensory Control
ECTE981 Internet Protocols

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ECTE982  Internet Engineering
ECTE983  Computer Networking
ECTE984  Network Design and Analysis
ECTE985  Layered Communication Architectures
ECTE986  Telecommunications Network Management

A. Automation and 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
ECTE902  Stochastic Signal Processing
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 one of the subjects listed in Part (a).

B. Computer and 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
ECTE961  Telecommunications Queuing Theory
ECTE962  Telecommunications System Modelling
ECTE963  Transmission Systems
ECTE965  Wireless Communications
ECTE982  Internet Engineering
ECTE983  Computer Networking
ECTE985  Layered Communication Architectures
ECTE986  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 one of the subjects listed in Part (a).**

**SCHOOL OF INFORMATION TECHNOLOGY AND 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 Studies (proposed for introduction in 2000)
- Master of Computer Science
- 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)

**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:

- Computer Security
- Communication security
- Cryptographic primitive design
- Access control
- Security protocols
- Authentication
- Network security
- Data and system integrity
- Distributed systems security
- Software Engineering
- Graphical user interfaces
- Object-oriented programming
- Database management systems
- Computer-aided learning
- Science of computer programming
- Intelligent Systems
- Artificial intelligence
- Expert systems
- Robotics
- Neural networks
- Algorithms
- Combinatorial designs
- Hadamard matrices and Bent functions
- Error correction codes

The following areas of research are available to candidates undertaking the Honours Master of Information and Communication Technology degree by research and the Doctor of Philosophy degree:

- Health Informatics
- Smart Cards
- Information Privacy and Security
- Risk Analysis and Management
- Telecommunications
- Management
- Policy
- Regulation
- International Communications
- Network Planning
- Industry Development
- Information Technology
Candidates for this degree enrol in CSCI993 (for Computer Science) and IACT970 (for Information & 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) Bachelor of Information and Communication Technology (Hons) at a standard for Class II, Division 2 or better (or equivalent)
   or
   (b) Master of Information and Communication Technology (or equivalent)

2. The 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 subjects included in the list of Graduate Subjects.

3. Each candidate shall have a supervisor appointed on the recommendation of the Head of the School of Information Technology and Computer Science.

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:
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 Computer Science IIB.

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.

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 Information And 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:

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:

- the Graduate Certificate in Information and Communication Technology (with an average of a credit grade or better over all subjects), or
- a degree related to one of the following areas: computing, engineering, communication studies, information studies and management; or
- 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.

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.

Applicants will normally have:

- 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
- 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, 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

MITM Group A

IACT901   Strategic IT Planning
IACT906   Business On Line
IACT916   Organisational Issues and IT
IACT917   Information Management
IACT918   Telecommunications 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
BUSS952   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 of 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
IACT916   Organisational Issues in Information Technology
IACT917   The Information Market
IACT918   Telecommunications Management
IACT919   On-Line Information Services
IACT922   Case Studies in Information Technology Applications
IACT923   IT and Small Business
IACT924   Advanced Telecommunications Networks Planning
IACT926   Information Society, Knowledge Work and Information Technology
IACT930 Special Topics
IACT931 Special Topics in Information & Communication Technology - A
IACT932 Special Topics in Information & Communication Technology - B
IACT933 Special Topics in Telecommunication Issues

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 of 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 and 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:

- IACT922 Case Studies in Information Technology Applications
- CSC980 Preliminary Topics in Computer Science A
- IACT930 Special Topics
- CSC971 Computer Security (Advanced)

Graduate Certificate in Information and 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

- IACT904 International Telecommunications Policy Issues
- IACT918 Telecommunications Management
- IACT919 On-Line Information Services
- IACT924 Advanced Telecommunications Network Planning
- ELEC865 Integrated Services Network Planning
- ELEC867 Teletraffic Engineering**
- ELEC868 Digital Transmission Systems**
- ELEC960 Telecommunications Systems**
- ELEC961 Digital Signal Processing**
- ELEC962 Analysis and Transmission of Signals**
- ELEC963 Advanced Digital Signal Processing**
- ELEC965 Telecommunications Network Management**
- ELEC969 Computer Communications**

Part B

- IACT901 IT Strategic Planning
- IACT902 Applied Project Management
- IACT905 Information Technology and Innovation
- IACT916 Organisational Issues in Information Technology
- IACT917 The Information Market
- IACT922 Case Studies in Information Technology Applications
- IACT923 IT and Small Business
- IACT926 Information Society, Knowledge Work and Information Technology
- IACT933 Special Topics in Telecommunications Issues

or any other subject approved by the head of the IT and Computer Science School.

All subjects may not be available every year.

** these subjects may have pre-requisites.
CSCI GRADUATE SUBJECTS

CSCI991 Project
CSCI944 Perception and Planning
CSCI945 Parallel Architectures and Algorithms
CSCI946 Multimedia Studies
CSCI957 Advanced Topics in Database Management
CSCI963 Advanced Computer Graphics
CSCI964 Neural Computing
CSCI965 Design and Analysis of Algorithms
CSCI966 Coding for Secure Communication
CSCI967 Complexity Theory
CSCI968 Network Security
CSCI971 Advanced Computer Security
INFO911 Data Mining and Knowledge Discovery
INFO912 Mathematics for Cryptography

IACT GRADUATE SUBJECTS

IACT901 IT Strategic Planning
IACT902 Applied Project Management
IACT905 Information Technology and Innovation
IACT916 Organisational issues in information technology
IACT917 The Information Market
IACT918 Telecommunications Management
IACT919 Online Information Services
IACT924 Advanced Telecommunications Network Planning
IACT922 Case studies in Information Technology Applications
IACT930 Special Topics
IACT931 Special Topics in Information and Communication Technology - A
IACT932 Special Topics in Information and Communication Technology - B

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
ELEC911 Choppers and Inverters
ELEC912 AC Converters
ELEC915 Advanced Logic Design
ELEC922 Industrial Design
ELEC924 Power Systems
ELEC925 Computer Applications in Power Systems
ELEC926 Machine Transients
ELEC928 Variable Speed Drives
ELEC932 Computer Hardware Architecture
ELEC933 Real-time Computing
ELEC943 Computer Controlled Systems
ELEC944 Identification and Optimal Control
ELEC955 Advanced Laboratory
ELEC960 Telecommunication Systems
ELEC961 Digital Signal Processing
ELEC962 Analysis and Transmission of Signals
ELEC963 Advanced Digital Signal Processing
ELEC965 Telecommunications Network Management
ELEC969 Computer Communications
ELEC970 Special Topics in Engineering
ELEC971 TBA
ELEC972 TBA
ELEC973 Advanced Robotics and Sensory Systems
MATH902 Solution of Differential Equations by One-Parameter Groups
MATH911 Coastal Dynamics
MATH912 Mathematics of Microwave Heating
Not all subjects offered in one year.

or any BUSS 900 level subject or any other 900 level subject approved by the Head of School.

SCHOOL OF MATHEMATICS AND 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
Statistical decision theory
Statistical quality control
Topological Groups
Topology
Tumour growth models

**Doctor of Philosophy**

Candidates for this degree enrol in either MATH993 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 MATH993 (48 credit points), or (b) the subject MATH992 (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
- MATH991 Project
- MATH992 Minor Thesis
- MATH993 Thesis

**Electives**

- MATH902 Solution of Differential Equations by One-Parameter Groups
- MATH912 Mathematics of Microwave Heating
- MATH913 Fluid Mechanics and Wave Theory
- MATH914 Analytical Dynamics
- MATH915 Applied Nonlinear Partial Differential Equations
- MATH916 Heat Conduction and Moving Boundary Problems
- MATH917 Advanced Numerical Analysis
- MATH918 Computational Fluid Mechanics
- MATH971 Advanced Topics in Applied Mathematics A
- MATH972 Advanced Topics in Applied Mathematics B
- MATH980 Preliminary Topics in Mathematics A
- MATH981 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 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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>STAT992</td>
<td>Thesis</td>
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<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>STAT993</td>
<td>Major Thesis</td>
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</tbody>
</table>

Electives

<table>
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<tr>
<th>Course</th>
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</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 &amp; 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>
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<td>STAT981</td>
<td>Advanced Topics in Statistics A</td>
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<td>Advanced Topics in Statistics B</td>
</tr>
<tr>
<td>STAT983</td>
<td>Advanced Topics in Statistics C</td>
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</tbody>
</table>

*Not on offer in 2000.

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
MATH902 Solution of Differential Equations by One-Parameter Groups
MATH912 Mathematics of Microwave Heating
MATH913 Fluid Mechanics and Wave Theory
MATH914 Analytical Dynamics
MATH915 Applied Nonlinear Partial Differential Equations
MATH916 Heat Conduction and Moving Boundary Problems
MATH917 Advanced Numerical Analysis
MATH918 Computational Fluid Mechanics
MATH971 Advanced Topics in Applied Mathematics A
MATH972 Advanced Topics in Applied Mathematics B
MATH980 Preliminary Topics in Mathematics A
MATH981 Preliminary Topics in Mathematics B

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
Either
STAT990 Minor Project
Or
STAT991 Project
Electives
STAT901  Modern Inference
STAT902  Advanced Data Analysis
STAT903  Survey Design and Analysis
STAT904  Statistical Consulting
STAT905  Time Series*
STAT906  Experimental Design*
STAT941  Statistical Quality Control 1*
STAT942  Design & Analysis for Quality Control*
STAT944  Regression and Observational Studies*
STAT951  Statistics in Health Research*
STAT971  Preliminary Topics in Statistics A
STAT972  Preliminary Topics in Statistics B
STAT981  Advanced Topics in Statistics A
STAT982  Advanced Topics in Statistics B
STAT983  Advanced Topics in Statistics C

* Not on offer in 2000

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  
Autumn  Wollongong On Campus  6cp  
Pre-requisites:  
Co-requisites:  
Exclusions:  ELEC901/ECTE401  
Restrictions:  
Assessment: Written examinations 70%; Assignments 30%.  
Contact Hours: 24hrs Lec/Tut/Prac  
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  
1. analyse and understand digital signal processing algorithms;  
2. design and utilise digital filters and filter banks;  
3. use and implement discrete transforms such as the Fourier and the wavelet transforms;  
4. apply digital signal processing solutions to problems in research or industrial environments;  
5. demonstrate appropriate practical and problem solving skills.  
ECTE902  Stochastic Signal Processing  
Autumn  Wollongong On Campus  6cp  
Pre-requisites:  
Co-requisites:  
Exclusions:  ELEC901/ECTE402  
Restrictions:  
Assessment: Written examinations 70%; Assignments 30%.  
Contact Hours: 24hrs Lec/Tut/Prac  
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  
1. analyse and understand digital signal processing algorithms;  
2. use and implement techniques for processing stochastic signals;  
3. design and utilise optimal linear filters and basic scalar quantisation schemes;  
4. apply digital signal processing solutions to problems in research or industrial environments;  
5. demonstrate appropriate practical and problem solving skills.  
ECTE903  Image and Video Processing  
Spring  Wollongong On Campus  6cp  
Pre-requisites:  
Co-requisites:  
Exclusions:  ECTE403  
Restrictions:  
Assessment: Written examinations 70%; Assignments 30%.  
Contact Hours: 24hrs Lec/Tut/Prac  
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.  
Subject Objectives: A student who successfully completes this subject should be able to  
1. implement digital signal processing techniques in new applications;  
2. demonstrate an understanding of both theoretical and applications-related problems of the image and video processing systems;  
3. apply advanced digital signal processing solutions to problems in research or industrial environments;  
4. implement a real-time application or simulation using image and video processing systems.  
ECTE905  Speech and Audio Processing  
Spring  Wollongong On Campus  6cp  
Pre-requisites:  
Co-requisites:  
Exclusions:  ELEC908/ECTE405  
Restrictions:  
Assessment: Written examinations 70%; Assignments 30%.  
Contact Hours: 24hrs Lec/Tut/Prac  
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  
1. implement digital signal processing techniques in new applications;  
2. demonstrate an understanding of both theoretical and applications-related problems of the speech and audio processing systems;  
3. apply advanced digital signal processing solutions to problems in research or industrial environments;  
4. implement a real-time application or simulation using speech and audio processing systems.  
ECTE911  AC-Sourced Power Electronics  
Autumn  Wollongong On Campus  6cp  
Pre-requisites:  
Co-requisites:  
Exclusions:  ELEC912/ECTE412  
Restrictions:  
Assessment: Written examinations 70%; Assignments 30%.  
Contact Hours: 24hrs Lec/Tut/Prac  
Subject Description: This subject will study power conversion processes at domestic, industrial and commercial loads. Topics covered include: power switching devices and their application (diode, MOSFET, IGBT, GTO); dc-ac conversion (choppers), including switch-mode power supplies, dc-ac conversion using inverters, including methods of pulse width modulation and current research developments.  
ECTE912  DC-Sourced Power Electronics  
Spring  Wollongong On Campus  6cp  
Pre-requisites:  
Co-requisites:  
Exclusions:  ELEC911/ECTE411  
Restrictions:  
Assessment: Written examinations 70%; Assignments 30%.  
Contact Hours: 24hrs Lec/Tut/Prac  
Subject Description: This subject will study power conversion processes at domestic, industrial and commercial loads. Topics covered include: power switching devices and their application (diode, MOSFET, IGBT, GTO); dc-ac conversion (choppers), including switch-mode power supplies, dc-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:
1. analyse dc-dc and dc-ac power conversion circuits;
2. select appropriate component values for these circuits;
3. select suitable devices for the above circuits and describe their characteristics;
4. analyse non-ideal effects in the above circuits;
5. describe industrial applications for the above circuits;
6. demonstrate appropriate practical and problem solving skills.

ECTE923 Power Systems
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: ELEC920/ECTE423 Restrictions: Assessed: Written examinations 70%; Assignments 30%
Contact Hours: 24hrs Lec/Tut/Prac
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:
1. identify traditional and modern sources of power;
2. demonstrate adequate knowledge of power systems operation in general and Australian and N.S.W. systems in particular;
3. gain analysis skills using both calculator and computer simulations for basic system calculations;
4. demonstrate an understanding of recent developments in power systems technologies both at power industries and power utilities;
5. understand environmental considerations of power generation and usage;
6. demonstrate appropriate practical and problem solving skills.

ECTE931 Real-Time Computing
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: ECTE431 Restrictions: Assessed: Written examinations 70%; Assignments 30%
Contact Hours: 24hrs Lec/Tut/Prac
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 micro-controller computer systems.
Subject Objectives: A student who successfully completes this subject should be able to:
1. write real-time programs on DSP and micro-controller computer systems;
2. implement a real-time system on a micro-controller or DSP computer systems;
3. design interfacing circuitry between microprocessors and real-world signals;
4. write programs on micro-controller computer systems;
5. demonstrate appropriate practical and problem solving skills.

ECTE941 Intelligent Control
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: ELEC943/ECTE441 Restrictions: Assessed: Written examinations 70%; Assignments 30%
Contact Hours: 24hrs Lec/Tut/Prac
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:
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;
4. demonstrate appropriate practical and problem solving skills.

ECTE942 Computer Controlled Systems
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: ELEC943/ECTE442 Restrictions: Assessed: Written examinations 70%; Assignments 30%
Contact Hours: 24hrs Lec/Tut/Prac
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:
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. demonstrate appropriate practical and problem solving skills.
ECTE951 Thesis
Annual/Summer Wollongong On Campus 48cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: Thesis

ECTE953 Report
Autumn/Spring Wollongong On Campus 12cp
Pre-requisites: ECTE955 Co-requisites: 36 credit points at 900-level Exclusions: ELEC953 Restrictions: Assessment: A final report marked (Supervisor - 60%, and Examiner - 40% report). The Supervisor's mark includes both the project and report component. Contact Hours: 13hrs Tut 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.

ECTE955 Advanced Laboratory
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: ELEC955 Co-requisites: Exclusions: ELEC953 Restrictions: Assessment: Reports 40%; Examination 60%. Contact Hours: 39hrs Practical 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:
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;
4. show initiative and ability in solving engineering problems and producing practical results with minimum supervision.

ECTE961 Telecommunications Queueing Theory
Autumn Wollongong On Campus 6cp
Pre-requisites: ELEC960/ECTE461 Co-requisites: Exclusions: ELEC960/ECTE461 Restrictions: Assessment: Written examinations 70%; Assignments 30%. Contact Hours: 24hrs Lec/Tut/Prac 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.
Subject Objectives: A student who successfully completes this subject should be able to:
1. undertake Markov modelling and analysis;
2. analyse delay and queuing loss systems, such as telephone exchanges and trunk lines;
3. calculate blocking probabilities of telephone switching equipment;
4. demonstrate appropriate practical and problem solving skills.

ECTE962 Telecommunications System Modelling
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: ELEC960/ECTE962 Restrictions: Assessment: Written examinations 70%; Assignments 30%. Contact Hours: 24hrs Lec/Tut/Prac Subject Description: The aim of this subject is to provide students with telecommunication engineering skills including analysis 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:
1. analyse circuit and packet switched networks and systems;
2. analyse mixed voice and data queueing systems;
3. optimally allocate capacity in transmission links in telecommunications networks;
4. demonstrate appropriate practical and problem solving skills.

ECTE963 Transmission Systems
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: ELEC962/ELEC980/ECTE463 Restrictions: Assessment: Written examinations 70%; Assignments 30%. Contact Hours: 24hrs Lec/Tut/Prac 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:
1. demonstrate an understanding of electromagnetic wave propagation;
2. apply this knowledge to transmission lines, wave guides and fibre optics;
3. demonstrate an understanding of fibre optic geometries;
4. demonstrate appropriate problem solving skills.

ECTE965 Wireless Communications
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: ECTE465 Restrictions: Assessment: Written examinations 70%; Assignments 30%. Contact Hours: 24hrs Lec/Tut/Prac Subject Description: The aim of this subject is to introduce wireless communication systems, including cellular telephony, personal communications, and wireless local area networks. The content 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:
1. analyse and understand transmission phenomena of mobile radio channel;
2. analyse parameters and understand operation principles of mobile telephony and PCs;
3. select and optimise channel access technique for wireless application;
4. design error control algorithms for wireless applications;
5. demonstrate appropriate practical and problem solving skills.

ECTE971 Robotics Manipulators
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: ELEC973/ECTE471
Restrictions:
Assessment: Written examinations 70%; Assignments 30%
Contact Hours: 24hrs Lec/Tut/Prac
Subject Description: The subject provides 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 and current research developments.
Subject Objectives: A student who successfully completes this subject should 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 robot arm in a production line;
5. demonstrate appropriate practical and problem solving skills.

ECTE972 Robotics Sensory Control
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: ELEC973/ECTE472
Restrictions:
Assessment: Written examinations 70%; Assignments 30%
Contact Hours: 24hrs Lec/Tut/Prac
Subject Description: This subject provides the knowledge and skills required to design appropriate sensors for the intelligent operation of robotics systems. Topics covered include: intelligent operation of robots, industrial vision, hand-eye control of a robot, tactile sensors, force sensors, ultrasound and other sensors, and current research developments.
Subject Objectives: A student who successfully completes this subject should 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 motion;
4. design and employ an ultrasound sensor for autonomous motion of a robot arm;
5. demonstrate appropriate practical and problem solving skills.

ECTE973 Internet Engineering
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: ELEC482
Restrictions:
Assessment: Written examinations 70%; Assignments 30%
Contact Hours: 24hrs Lec/Tut/Prac
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
1. explain the operation of Internet protocols such as IP, OSPF, BGP, CIDR, TCP and UDP;
2. analyse the performance of protocols such as TCP in the presence of congestion and errors;
3. analyse performance of technologies such as ATM and label switching, in the context of the Internet;
4. enumerate tradeoffs between efficiency and Quality of Service when using mechanisms such as RSVP and Diffserv;
5. demonstrate appropriate practical and problem solving skills.

ECTE978 Computer Networking
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: ELEC969/ECTE483
Restrictions:
Assessment: Written examinations 70%; Assignments 30%
Contact Hours: 27hrs Lec/Tut/Prac
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
1. describe the techniques used to implement real computer networks (including addressing, routing and interworking);
2. demonstrate an understanding of the techniques used to provide communication between computer systems;
3. demonstrate appropriate practical and problem solving skills.

ECTE985 Layered Communication Architectures
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: ELEC969/ECTE485
Restrictions:
Assessment: Written examinations 70%; Assignments 30%
Contact Hours: 27hrs Lec/Tut/Prac
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
1. explain the principles of layered protocol architectures
2. explain the principles of circuit and packet switching
3. analyse the performance of circuit and packet switching networks;
4. analyse the performance of error and flow control protocols
5. demonstrate appropriate practical and problem solving skills.

ECTE986 Telecommunications Network Management
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Exclusions: ELEC965/ECTE486
Restrictions:
Assessment: Written examinations 70%; Assignments 30%
Contact Hours: 24hrs Lec/Tut/Prac
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 system and to make students aware of economic, management and political issues in telecommunications management. Topic covered will include: private and public communication systems; LANs and SNMP; integration of voice, data and video in telecommunications networks; 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
1. explain the operation of Internet protocols such as IP, OSPF, BGP, CIDR, TCP and UDP;
2. analyse the performance of protocols such as TCP in the presence of congestion and errors;
3. analyse performance of technologies such as ATM and label switching, in the context of the Internet;
4. enumerate tradeoffs between efficiency and Quality of Service when using mechanisms such as RSVP and Diffserv;
5. demonstrate appropriate practical and problem solving skills.
Subject Objectives: A student who successfully completes this subject should be able to:
1. demonstrate an understanding of the technical issues involved in telecommunications management;
2. explain strategic management issues, including the options created by emerging technologies;
3. undertake practical experimentation in network configuration;
4. demonstrate appropriate practical and problem solving skills.

### SCHOOL OF INFORMATION TECHNOLOGY AND COMPUTER SCIENCE

<table>
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<th>Subject Code</th>
<th>Subject Name</th>
<th>Level</th>
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<th>Exclusions</th>
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</table>
| CSCI925      | Topics in Software Engineering                   | Autumn| Pre-requisites: 24cp @300 level | Co-requisites: Nil | Exclusions: Assignments 100% | Restrictions: Contact Hours: 2 hrs/wk | Assessment: Assignments 40% Exam 60% | Assignments 40% Exam 60% | 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. | At the completion of this subject students will be able to:
1. describe contemporary software engineering issues, methods, and practices;
2. report on pertinent case studies of software engineering project failures and successes;
3. select appropriate tools and techniques for software engineering problems;
4. evaluate relevant software engineering constraints, such as risk, cost, time, safety, for a given software engineering project. | Co-requisites: Nil | Restrictions: Contact Hours: 2 hrs/wk |
| CSCI944      | Perception and Planning                           | Spring| Pre-requisites: nil | Co-requisites: nil | Exclusions: Assignments 100% | Restrictions: Contact Hours: 2 hrs/wk | Assessment: Implementation project (20%) mini research project (30%) final examination (50%) | Contact Hours: 3 hrs/wk | This subject explores ways in which a robot can combine data from variety of sensors to create or update a model of its environment, and then use this model to infer the consequences of proposed actions. The subject will cover the use of internal sensors, such as those measuring odometry and location, and external sensors including those for touch, vision, and range finding. | At the completion of this subject students will be able to:
1. describe the sensors used for navigation of a mobile robot;
2. understand the process of perception for robot sensing and navigation;
3. design a software architecture for perception using behavioural, fuzzy logic and learning technique;
4. select appropriate data structure and algorithms for path planning. | Co-requisites: nil | Restrictions: Contact Hours: 3 hrs/wk |
| CSCI945      | Parallel Architectures and Algorithms             | Autumn| Pre-requisites: Co-requisites: | Co-requisites: | Exclusions: Assignments 100% | Restrictions: Contact Hours: 2 hrs/wk | Assessment: Assignment 60% Examination 40% (form of assessment to be confirmed with class) | Contact Hours: 2 hrs/wk | 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. | At the completion of this subject students will be able to:
1. Design and implement object-oriented and object-relational database systems;
2. Identify and describe the differences among the various concurrency control techniques in database systems and determine their impact on performance of database systems | Co-requisites: nil | Restrictions: Assignment 60% Examination 40% (form of assessment to be confirmed with class) |
| CSCI946      | Multimedia Studies                                | Autumn| Pre-requisites: 24cp @300 level | Co-requisites: Nil | Exclusions: Assignments 100% | Restrictions: Contact Hours: 2 hrs/wk | Assessment: Assignment 60% Examination 40% | Contact Hours: 2 hrs/wk | 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. | At the completion of this subject students will be able to:
1. characterize parallel computers in terms of granularity, coupling, Flynn's Models, topology and interconnection network;
2. understand the difference between shared memory and distributed (message-passing) models;
3. implement both simd and mind parallel algorithms in c;
4. implement parallel programs in both PVM and threads;
5. evaluate parallel algorithms in terms of both computational and communication efficiency;
6. apply divide-and-conquer and master-slave techniques to appropriate parallel applications. | Co-requisites: Nil | Restrictions: Assignment 60% Examination 40% (form of assessment to be confirmed with class) |
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:
1. describe and implement the algorithms used to produce ray-traced images;
2. discuss the underlying mathematical models;
3. discuss the advantages and disadvantages of several visualisation techniques;

CSCI964 Neural Computing
Spring Wollongong On Campus 6cp
Pre-requisites: nil Co-requisites: nil
Exclusions: Restrictions: Assessment: Exam 60% Assignment 40%
Contact Hours: 2 hrs/wk
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 artificial intelligence 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:
1. explain the architecture and learning algorithms of the more commonly encountered neural network models;
2. understand the strengths and limitations of artificial neural networks (ANNs);
3. be able to apply ANNs to typical pattern recognition and/or classification problems;
4. understand the need for preprocessing the available neural data.

CSCI965 Design and Analysis of Algorithms
Spring Wollongong On Campus 6cp
Pre-requisites: nil Co-requisites: nil
Exclusions: Restrictions: Assessment: 50% assessment 50% exam
Contact Hours: 2 hrs/wk
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:
1. use some basic mathematics;
2. be able to compare algorithms for speed and storage requirements;
3. be able to give quantitative assessment of algorithms;
4. be able to choose the appropriate algorithm for a task;
5. be able to quantify that an algorithm cannot be used with given resources.

CSCI966 Coding for Secure Communication
Autumn Wollongong On Campus 6cp
Pre-requisites: nil Co-requisites: nil
Exclusions: Restrictions: Assessment: Assignment 50% Exam 50%
Contact Hours: 2 hrs/wk
Subject Description: This subject provides a fundamental understanding of information protection and efficient coding strategies that can be used to ensure correctness, security and authenticity of data. It uses entropy as the universal measure of information to analyse and explore fundamental bounds on the performance of secure and reliable storage and communication systems, and examine a range of coding schemes that form the main building blocks of such systems. It will include the following topics. i) redundancy in data and compression algorithms ii) efficient error control strategies for secure and reliable communication and storage systems; iii) coding methods for secrecy and authenticity.

**Subject Objectives:** At the completion of this subject students will be able to:
1. understand the problems and models in information protection;
2. use a range of coding methods and strategies for providing protection and
3. evaluate various strategies for protection of data and suggest the best solution for a particular system.

CSCI967 Complexity Theory
Autumn Wollongong On Campus 6cp
Pre-requisites: nil Co-requisites: nil
Exclusions: Restrictions: Assessment: Assignment 50% Exam 50%
Contact Hours: 2 hrs/wk
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:
1. classify decision problems according to their computational difficulty;
2. understand different types of indistinguishability and their relation to pseudorandomness;
3. use interactive proof systems for identification and knowledge proving.

CSCI971 Computer Security
Spring Wollongong On Campus 6cp
Pre-requisites: nil Co-requisites: nil
Exclusions: Restrictions: Assessment: 50% assessment 50% exam
Contact Hours: 2 hrs/wk
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:
1. understand and use modern cryptographic techniques;
2. access appropriate technique to be used in specific conditions;
3. undertake rudimentary cryptanalysis of a cryptalgorithm or cipher system;
4. understand what is required to get a certified security evaluation.

Additional Information: suggested co-req is INF0912

CSCI980 Preliminary Topics in Computer Science A
Autumn Wollongong On Campus 6cp
Pre-requisites: nil Co-requisites: nil
Exclusions: Restrictions: Assessment: Contact Hours: 4 hrs/wk
Subject Description: A selection of topics will be available from time to time to serve as preliminary material in the Master of Computer Science.
CSCI981 Preliminary Topics in Computer Science B
Autumn Wollongong On Campus 6cp
Pre-requisites: nil Co-requisites: nil
Exclusions: Restrictions: 
Assessment: Contact Hours: 4 hrs/wk
Subject Description: A selection of topics will be available from time to time to serve as preliminary material in the Master of Computer Science.

CSCI982 Preliminary Topics in Computer Science C
Spring Wollongong On Campus 6cp
Pre-requisites: nil Co-requisites: nil
Exclusions: Restrictions: 
Assessment: Contact Hours: 4 hrs/wk
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
Spring Wollongong On Campus 6cp
Pre-requisites: nil Co-requisites: nil
Exclusions: Restrictions: 
Assessment: Contact Hours: 4 hrs/wk
Subject Description: A selection of topics will be available from time to time to serve as preliminary material in the Master of Computer Science.

CSCI991 Project
Annual Wollongong On Campus 12cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: need SITACS' postgraduate adviser approval 
Assessment: Contact Hours: 2 hrs/wk
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.

CSCI993 Thesis
Annual/Spring/Summer Wollongong On Campus 48cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: varies
Subject Description: 

CSCI994 Project Part 1
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: need SITACS' postgraduate adviser approval 
Assessment: Contact Hours: 4 hrs/wk
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
Autumn Wollongong On Campus 6cp
Pre-requisites: CSCI994 Co-requisites: 
Exclusions: Restrictions: need SITACS' postgraduate adviser approval 
Assessment: Contact Hours: varies
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.

CSCI996 Thesis
Annual/Spring Wollongong On Campus 36cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: Contact Hours: 
Subject Description: 

ICT901 IT Strategic Planning
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: 
Assessment: Contact Hours: 3 hrs/wk
Subject Description: This subject aims to provide students with an understanding of IT strategic planning in today's global business environment. Today most businesses compete in a global environment; a sound IT Strategy is essential to facilitate this. This subject covers key areas of IT strategic planning, background issues in strategic planning, the planning life cycle, the components of a strategic plan and management of the strategic plan.

ICT902 Applied Project Management
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: 
Assessment: Contact Hours: 3 hrs/wk
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 an IT project. Topics covered will include project management tools, software and techniques; expectations management matrices; and use of people management (the subtle art of delegation and accountability). Students will test the principles on the plan, design and implementation of a medium size project.

ICT906 Business On-Line
Autumn Sydney, Wollongong On Campus 6cp
Pre-requisites: 24 cp @ 300 level Co-requisites: Restrictions: 
Assessment: Examination 40%, Major Report 25%, Seminar 15%, Essay 20 %
Contact Hours: 3 hrs/wk
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; security; and social and economic issues.
Subject Objectives: A student who successfully completes this subject will be able to:
1. demonstrate a thorough grounding in on-line business principles and practices;
2. identify stakeholders their capabilities and limitations in the strategic convergence of technology in business;
3. critically assess new technologies of importance to doing online business; and
4. explain the rapid changes taking place in the global business environment.

IACT916 Organisational Issues in Information Technology
Regent Session 1 Singapore Flexible Delivery 6cp
Pre-requisites: Co-requisites: Restrictions: 
Assessment: Contact Hours: tba
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.

IACT917 Information Management
Spring Sydney, Wollongong On Campus 6cp
Pre-requisites: nil
Co-requisites: nil
Exclusions: Restrictions:
Assessment: Contact Hours: 3 hrs/wk
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.

IACT918 Telecommunications Management
Autumn Sydney, Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours: 3 hrs/wk
Subject Description: IACT918 examines the role of telecommunications in corporate strategy. Areas covered include: cost control versus business development; regulatory and strategic issues in the use of private and public networks; service options in LANs; PBXs; broadband in intra-office communications; integration of voice, data and video in global networks.

IACT919 Online Information Services
Regent Sessional Singapore Flexible Delivery 6cp
Summer Wollongong On Campus
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours: tba
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.

IACT924 Advanced Telecommunications Network Planning
Spring Sydney, Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours: 3 hrs/wk
Subject Description: This subject examines:
1. the need for forward network planning;
2. traffic flow control and forecasting;
3. network security;
4. long range planning considerations;
5. dimensioning; and,
6. project management techniques that are relevant to the telecommunications network planning and implementation process.

IACT927 Research Report Part 1
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours: varies
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.

IACT928 Research Report Part 2
Autumn Wollongong On Campus 6cp
Pre-requisites: iact927
Co-requisites: Restrictions:
Assessment: Contact Hours: varies
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.

IACT930 Special Topics in Information and Communication Technology
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours: 3 hrs/wk
Subject Description: This is an elective subject usually undertaken in the Honours year of the BInfoTech degree, and is also available to students from other disciplines. IACT430 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.

IACT931 Special Topics in Information and Communication Technology A
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours: 3 hrs/wk
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.

Additional Information: for 2000 the topic covered is Human Computer Interface see IACT403

IACT932 Special Topics in Information and Communication Technology B
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours: 3 hrs/wk
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.

IACT940 Research Methodology
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours: 2 hrs/wk
Subject Description: This subject introduces the MInfotech students to research methodology. Topics include the purpose of
research, formulating a research question, conducting a literature review and writing a research proposal. Students will gain an understanding of the different research methodologies, including quantitative and qualitative analysis. Students will learn how to design an appropriate research plan. Requirements for scholarly writing will also be discussed and the process of undertaking a research project will be analysed.

**IACT950 Research Report**
- **Annual**: Wollongong On Campus
- **Pre-requisites**: Co-requisites: 12cp
- **Exclusions**: Restrictions:
- **Assessment**: Contact Hours: varies
- **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.

**IACT960 Minor Thesis**
- **Annual/Spring**: Wollongong On Campus 36cp
- **Pre-requisites**: Co-requisites:
- **Exclusions**: Restrictions:
- **Assessment**: Contact Hours: varies
- **Subject Description**: This subject will be externally accessed.

**IACT970 Major Thesis**
- **Annual/Spring**: Wollongong On Campus 48cp
- **Pre-requisites**: Co-requisites:
- **Exclusions**: Restrictions:
- **Assessment**: Contact Hours: varies
- **Subject Description**: This subject will be externally accessed.

**ITCS901 Introduction to Computer Programming**
- **Autumn**: Wollongong On Campus 6cp
- **Pre-requisites**: Co-requisites: Exam - 70% Assignments - 30%
- **Exclusions**: Restrictions: Contact Hours: 6 hrs/wk
- **Subject Description**: CSCI111 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:
  1. design relational databases
  2. use a microcomputer efficiently and effectively in developing total solutions;
  3. develop and express their solutions using "good programming style";
  4. express their solutions in well structured programs written in ANSI C++.

**ITCS902 Data Structures**
- **Spring**: Wollongong On Campus 6cp
- **Pre-requisites**: ITCS901 Co-requisites: Exam - 60% Assignment - 40%
- **Exclusions**: Restrictions: Contact Hours: 5 hrs/wk
- **Subject Description**: CSCI121 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 the student should be able to:
  1. display an understanding of structured data types and their implementation in C++;
  2. create abstract data types which have general applicability to a range of generic problems and implement them efficiently using C++;
  3. use dynamic memory allocation to create and maintain dynamic data structures;
  4. analyze and compare the efficiency of competing algorithms using a range of sorting algorithms as the vehicle;
  5. implement solutions to problems involving dynamic data structures and abstract data types in the programming language C++;
  6. display an understanding of some object-based programming concepts by using appropriate C++ constructions.

**ITCS903 C Family & UNIX**
- **Autumn**: Wollongong On Campus 6cp
- **Pre-requisites**: ITCS902 Data Structures Co-requisites:
- **Exclusions**: Restrictions: Assessment: Exam - 60% Assignment - 40%
- **Contact Hours**: 6 hrs/wk
- **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:
  1. select and code the appropriate algorithms to solve text processing problems,
  2. understand the concepts of scanning, parsing and interpreting textual input,
  3. use object based techniques in the design of programs,
  4. write correct, robust and efficient programs in C++,
  5. read C programs, and
  6. develop software in a Unix environment.

**ITCS904 Fundamentals of Database Systems**
- **Autumn**: Wollongong On Campus 6cp
- **Pre-requisites**: ITCS902 - Introduction to Computer Science B Co-requisites:
- **Exclusions**: Restrictions: Assessment: Exam - 60% Assignment - 40%
- **Contact Hours**: 5 hrs/wk
- **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:
  1. explain the principles of relational database model,
  2. design and implement a simple relational database,
  3. use a number of software tools to implement database applications,
  4. program a relational database server,
  5. normalise a relational database,
6. explain the principles of distributed databases and design a distributed database.
7. explain the principles of transaction management and database recovery mechanisms.

ITCS905 Fundamentals of Information Technology
Spring Wollongong On Campus 6cp
Pre-requisites: nil Co-requisites: nil
Exclusions: Restrictions:
Assessment: Diary - 10% objectives Project - 30% Essay - 10% objective Exam - 40% Presentation of Project - 10%
Contact Hours: 4 hrs/wk
Subject Description: This subject examines a range of information and communications technology e.g., voice-mail, Fax, telephone, optical fibre, global networks and satellites to increase the understanding of how the technology is, or can be applied. Examination of the convergence of these technologies and the impact of the convergence e.g., data networks, EFTPOS, HDTV, personal communications networks. The impact of IT is discussed in relation to ethical, privacy and legal issues for IT professionals. The development of the Information Society will be addressed against the changing nature of the IT Professionals job to that of "people-centred" rather than "technology-centred". Built into this subject will be case studies and group work. The subject is designed to develop the students communication skills and understanding of group dynamics. Progressive assessment will involve writing technical reports and involve group tasks.
Subject Objectives: On successfully completing this subject students should be able to:
1. identify the main hardware and software components of a computer system;
2. manipulate data in an integrated application;
3. create a simple web page;
4. solve a problem in a procedural style, using a visual design and code generating tool.

ITCS906 Introduction to Computer Systems
Spring Wollongong On Campus 6cp
Pre-requisites: ITCS901 Introduction to Computer Programming Co-requisites:
Exclusions: Restrictions:
Assessment: Exam - 60% Assignment - 40%
Contact Hours: 5 hrs/wk
Subject Description: The 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:
1. work with numbers in various and mixed bases;
2. express arbitrarily complex logical statements in conjunctive or disjunctive normal form;
3. express logical statements in the form of circuits using cascaded gates;
4. decompose complex solutions in as fine grained detailed manner as possible, within the constraints of a machine s instruction set;
5. extract the essence of what an arbitrary sequence of machine instructions appears to perform.

ITCS907 Java Programming & the Internet
Spring Wollongong On Campus 6cp
Pre-requisites: ITCS902 - Fundamentals of Computer Science B Co-requisites: Restrictions:
Exclusions: Restrictions:
Assessment: Assignments - 50% Final examination - 50%
Contact Hours: 5 hrs/wk
Subject Description: This subject provides:
1. an introduction to the Java language and some of its standard class libraries
2. experience with object oriented design and implementation techniques
3. an understanding of the Internet and its importance to modern software systems. Topics will include: Java language, subset of Java class libraries (windowing, graphics, networking, threads), object oriented design and implementation, Internet issues, basics of TCP/IP protocols, Web technologies, HTML and Javascript, CGI programming, introduction to security issues.
Subject Objectives: A student who successfully completes this subject should be able to:
1. relate Java to other Web technologies including CGI, Javascript and other browser technologies
2. build Java applets and stand alone applications that exploit the graphics libraries,
3. design object oriented (OO) programs using a simplified version of a standard OO methodology,
4. implement programs exploiting the threads and networking capabilities of Java,
5. explain the security problems in a networked environment and detail Java's security mechanisms.

ITCS908 Citizen s Rights in the Information Society
Autumn Wollongong On Campus 6cp
Pre-requisites: ITCS905 Co-requisites:
Exclusions: Restrictions:
Assessment: Exam - 40% Assignment - 60%
Contact Hours: 3 hrs/wk
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:
1. identify the privacy, legal and security issues related to the introduction of information and communication technologies;
2. explain technical solutions to security and privacy problems arising from the introduction of technology;
3. evaluate existing laws and regulations relating to privacy legal and security issues.

ITCS909 Fundamentals of Operating Systems
Autumn Wollongong On Campus 6cp
Pre-requisites: ITCS906 Introduction to Computer Systems Co-requisites:
Exclusions: Restrictions:
Assessment: Exam - 60% Assignment - 40%
Contact Hours: 5 hrs/wk
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:
1. identify the major components of an operating system.
2. define the terms used to describe operating system functions.
3. explain the algorithms commonly used to implement these functions.
4. compare the performance of commonly used algorithms, and
5. evaluate the suitability of an operating system for a task.

ITCS910 The Wired World
Spring Wollongong On Campus 6cp
Pre-requisites: ITCS905 - Fundamentals of Information Technology
Exclusions: Restrictions:
Assessment: Exam - 40% Assignment - 60%
Contact Hours: 2 hrs/wk
Subject Description: This subject investigates the issues list 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 element in the conduct of this subject. Other activities may include: the setting up and conduct of a video-conference 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:
1. identify the technical, social and legal problems related to the developments in world wide networking;
2. debate legal and social issues confronting the global networking community;
3. critically analyse current standards and policies in relation to world wide networking;
4. demonstrate a capacity to work as a team member;
5. discuss the key technical and security related issues confronting network managers; and
6. evaluate use of global networks as an educational medium.

SCHOOL OF MATHEMATICS AND APPLIED STATISTICS

INFO911 Data Mining and Knowledge Discovery
Spring Wollongong On Campus 6cp
Pre-requisites: 36 cp
Exclusions: Restrictions:
Assessment: Contact Hours: 2 hrs/wk
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

MATH902 Solution to Differential Equations By One-Parameter Groups
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions:
Exclusions: Restrictions:
Assessment: Contact Hours: 2 hrs/wk
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.

MATH913 Fluid Mechanics and Wave Theory
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions:
Exclusions: Restrictions:
Assessment: Contact Hours: 2 hrs/wk
Subject Description: Hyperbolic partial differential equations, conservation laws, shallow water equations, dispersive waves, solution theory, gas dynamics, shock waves, flow past bodies, conformal mapping, aerofoil theory.

MATH914 Analytic Dynamics
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions:
Exclusions: Restrictions:
Assessment: Contact Hours: 2 hrs/wk
Subject Description: Lagrangian and Hamiltonian formulations, symmetry and conservation laws. Regular and chaotic motion. Strange attractors.

MATH918 Computational Fluid Mechanics
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions:
Exclusions: Restrictions:
Assessment: Contact Hours: 2 hrs/wk
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.

MATH929 General Topology
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Contact Hours: 2 hrs/wk

Subject Description: This subject is a systematic discussion of topological spaces and associated concepts which are of fundamental importance in various areas of mathematics. The topics covered will include topologies, bases and sub bases for topologies, separation properties of topologies, product and quotient topologies, and connectedness and compactness. Depending upon students' interests and backgrounds, excursions into the following or other areas are possible: topological groups, programming language semantics, elementary algebraic topology, dimension theory and cardinal invariants.

MATH931 Statistical Behaviour in Dynamical Systems
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Contact Hours: 2 hrs/wk

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.

MATH971 Advanced Topics in Applied Mathematics A
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Contact Hours: 2 hrs/wk

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.

MATH990 Project Part 2
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Contact Hours: 2 hrs/wk

Subject Description:

MATH991 Project
Annual Wollongong On Campus 12cp
Pre-requisites: Co-requisites: Restrictions: Contact Hours: 2 hrs/wk

Subject Description:

MATH992 Minor Thesis
Annual Wollongong On Campus 36cp
Pre-requisites: Co-requisites: Restrictions: Contact Hours: 2 hrs/wk

Subject Description:

MATH993 Thesis
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites: Restrictions: Contact Hours: 2 hrs/wk

Subject Description:

STAT901 Modern Inference
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Contact Hours: 2 hrs/wk

Subject Description: Introduction to programming in S-Plus; bootstrap methods; Monte-Carlo methods; permutation tests; nonparametric regression; the sign, Kruskal-Wallis and Spearman tests and extensions of them; ties.

STAT902 Advanced Data Analysis
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Contact Hours: 2 hrs/wk

Subject Description: A selection of topics from: Regression model building and checking; Causal modelling; Cluster analysis; Multi-dimensional scaling; Log-linear models; Generalised linear models; Time series methods; Principal components; Factor analysis; Canonical correlations; Statistical computer packages.

STAT903 Survey Design and Analysis
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Contact Hours: 2 hrs/wk

Subject Description: Survey methods - survey development; Cluster and multi-stage sampling; Repeated and longitudinal surveys; Non-sampling errors; General methods of variance estimation; Small area estimation; Non-response adjustment; Analysis of complex survey data; Report writing.

STAT904 Statistical Consulting
Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Contact Hours: 2 hrs/wk

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.

STAT990 Minor Project
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites: Restrictions: Contact Hours: 2 hrs/wk

Subject Description:

STAT994 Minor Thesis
Annual Wollongong On Campus 24cp
Pre-requisites: Co-requisites: Restrictions: Contact Hours: 2 hrs/wk

Subject Description:
Subject Description:

STAT993  Major Thesis
Annual    Wollongong On Campus    48cp
Pre-requisites:          Co-requisites:          Exclusions:          Restrictions:          Assessment:          Contact Hours:
Subject Description:

STAT994  Thesis
Annual    Wollongong On Campus    24cp
Pre-requisites: MATH188          Co-requisites:          Exclusions:          Restrictions:          Assessment:          Contact Hours:
Subject Description:
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 (Court Management) by Research
Honours Master of Laws (Natural Resources Law) by Research
Honours Master of Natural Resources Law by Research
Master of Court Management
Master of Laws (Court Management)
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
Commercial and finance law
Company law
Comparative law
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
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
Taxation law and practice
Torts

Doctor Of Philosophy

These courses are open to students with a degree 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 LAW999 Special Research Paper in Law. (In the case of the Honours Master of Laws by Research, the first degree must be a degree in law). 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 Arts By Research

These courses are open to students with a degree 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 LAW999 Special Research Paper in Law. (In the case of the Honours Master of Laws by Research, the first degree must be a degree in law). 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

An Honours Master of Commerce is offered by the Faculty of Commerce.

Honours Master Of Court Management

A thesis on any topic within an area of expertise of the Faculty of Law, including Court Policy and Administration. (In the case of the Honours Master of Laws (Court Management), the first degree must be a degree in Law). Attendance at the residential sessions conducted for the coursework degrees and Graduate Diploma in Law (Court Policy and Administration) is encouraged but completion of those course requirements is not required. The course comprises (LAW998 Major Thesis) 48 credit points.

Honours Master of Laws by Research

Honours Master Of Laws (Natural Resources Law)
Honours Master Of Laws (Court Management)

These courses are open to students with a degree 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 LAW999 Special Research Paper in Law. (In the case of the Honours Master of Laws by Research, the first degree must be a degree in law). 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.

These courses are designed for students to write a research dissertation in the area of Natural Resources Law and Policy, (in the case of the Honours Master of Laws (Natural Resources Law), the first degree must be a degree in Law). The requirement of the degree is the satisfactory completion of a thesis to the value of 48 credit points (LAW 998 Major Thesis).

A thesis on any topic within an area of expertise of the Faculty of Law, including Court Policy and Administration. (In the case of the Honours Master of Laws (Court Management), the first degree must be a degree in Law). Attendance at the residential sessions conducted for the coursework degrees and Graduate Diploma in Law (Court Policy and Administration) is encouraged but completion of those course requirements is not required. The course comprises (LAW998 Major Thesis) 48 credit points.

Honours Master Of Natural Resources Law

These courses are designed for students to write a research dissertation in the area of Natural Resources Law and Policy, (in the case of the Honours Master of Laws (Natural Resources Law), the first degree must be a degree in Law). The requirement of the degree is the satisfactory completion of a thesis to the value of 48 credit points (LAW 998 Major Thesis).

Master Of Court Management

Candidates who hold a recognised degree in law are eligible for the Master of Laws (Court Management) while other suitably qualified candidates are eligible for the Master of Court Management. Candidates 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 2000.

Master Of Laws (Court Management)
Master Of Laws (Natural Resources Law)

Candidates who hold a recognised degree in law are eligible for the Master of Laws (Court Management) while other suitably qualified candidates are eligible for the Master of Court Management. Candidates 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 2000.
Candidates must complete the requirements for the Graduate Diploma in Natural Resources Law as well as the above subject. These courses build on the course for the Graduate Diploma in Natural Resources Law (see below). The course leading to the degree of Master of Laws (Natural Resources Law) is open to candidates who hold a degree in law. Other candidates are eligible for the course leading to the degree of Master of Natural Resources Law. The courses allow further specialisation through the completion of a supervised research paper. To qualify for the degree, a candidate 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 Natural Resources Law**

Candidates must complete the requirements for the Graduate Diploma in Natural Resources Law as well as the above subject. These courses build on the course for the Graduate Diploma in Natural Resources Law (see below). The course leading to the degree of Master of Laws (Natural Resources Law) is open to candidates who hold a degree in law. Other candidates are eligible for the course leading to the degree of Master of Natural Resources Law. The courses allow further specialisation through the completion of a supervised research paper. To qualify for the degree, a candidate 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.

**Graduate Diploma in Law**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>LAW810</td>
<td>Law in Society</td>
</tr>
<tr>
<td>LAW811</td>
<td>Law of Contracts</td>
</tr>
</tbody>
</table>

Candidates will also complete at least 32 credit points of Legal Studies subjects. The course is intended for those who wish to study law at postgraduate level without embarking on a law degree. Subject to pre-requisites, students may choose a course to suit their needs from the range of Legal Studies subjects offered by the Faculty. A candidate must complete subjects to a value of at least 48 credit points including

<table>
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</tr>
</tbody>
</table>

**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:

<table>
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<tbody>
<tr>
<td>LLB843</td>
<td>Professional Practice</td>
</tr>
<tr>
<td>LLB844</td>
<td>Practice Management</td>
</tr>
<tr>
<td>LLB845</td>
<td>Conducting Litigation</td>
</tr>
<tr>
<td>LLB846</td>
<td>Commercial and Property Practice</td>
</tr>
</tbody>
</table>

Specialisations: Postgraduate: Graduate Diploma in Commerce

**Graduate Diploma in Natural Resources Law**

Compulsory subjects:

<table>
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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>LAW910</td>
<td>Introduction to Law</td>
</tr>
<tr>
<td>LAW911</td>
<td>Introduction to Natural Resources Law</td>
</tr>
</tbody>
</table>

Options - at least 4 chosen from those offered which may include

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<tbody>
<tr>
<td>LAW912</td>
<td>International Law</td>
</tr>
<tr>
<td>LAW914</td>
<td>Mining Law</td>
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<tr>
<td>LAW918</td>
<td>Law of Land &amp; Nature Conservation</td>
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<tr>
<td>LAW919</td>
<td>Water Resources Law</td>
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<tr>
<td>LAW920</td>
<td>Local Government &amp; Natural Resources</td>
</tr>
<tr>
<td>LAW921</td>
<td>Marine Resources Law</td>
</tr>
<tr>
<td>LAW922</td>
<td>International Maritime Environmental Law</td>
</tr>
<tr>
<td>LAW923</td>
<td>Law of the Sea</td>
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<tr>
<td>LAW924</td>
<td>International Environmental Law</td>
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<tr>
<td>LAW926</td>
<td>Comparative Environmental Law</td>
</tr>
<tr>
<td>LAW928</td>
<td>Special Studies in Law 1 Natural Resources</td>
</tr>
</tbody>
</table>
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.
LAW 810  Law in Society  
**Autumn**  Wollongong On Campus  **8cp**  
** Pre-requisites:** LAW 810  ** Co-requisites:**  
**Exclusions:**  **Restrictions:**  
**Assessment:** Class Participation, Court Research Plan, Court Research Report, Essay, Take-Home Problem, Examination.  
**Contact Hours:** 6  
**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.  

LAW 811  Law of Contract  
**Spring**  Wollongong On Campus  **8cp**  
** Pre-requisites:** LAW 810  ** Co-requisites:**  
**Exclusions:**  **Restrictions:**  
**Assessment:** Class participation, assignments, final examination  
**Contact Hours:** 4 hrs  
**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.  

LAW 901  Research in Court Management  
**Annual**  Wollongong On Campus  **36cp**  
** Pre-requisites:** Candidates who have previously completed requirements for the Graduate Diploma in Law (Court Policy and Administration)  
** Co-requisites:**  
**Exclusions:**  **Restrictions:**  
**Assessment:** Research Paper  
**Contact Hours:**  
**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.  

LAW 902  Research Project A  
**Autumn/Spring**  Wollongong On Campus  **6cp**  
** Pre-requisites:**  ** Co-requisites:**  
**Exclusions:**  **Restrictions:**  
**Assessment:** 8,000 word dissertation  
**Contact Hours:**  
**Subject Description:** The student shall propose a research project for approval by the Dean.  

LAW 903  Research Project B  
**Autumn/Spring**  Wollongong On Campus  **12cp**  
** Pre-requisites:**  ** Co-requisites:**  
**Exclusions:**  **Restrictions:**  
**Assessment:** 12,000 word dissertation  
**Contact Hours:**  
**Subject Description:** The student shall propose a research project for approval by the Dean.  

LAW 904  Research Project C  
**Autumn/Spring**  Wollongong On Campus  **8cp**  
** Pre-requisites:**  ** Co-requisites:**  
**Exclusions:**  **Restrictions:**  
**Assessment:** 10,000 word dissertation  
**Contact Hours:**  
**Subject Description:** The student shall propose a research project for approval by the Dean.  

LAW 905  Research Project D  
**Autumn/Spring**  Wollongong On Campus  **8cp**  
** Pre-requisites:** First degree in any discipline  
** Co-requisites:**  
**Exclusions:**  **Restrictions:**  
**Assessment:** 10,000 word dissertation  
**Contact Hours:**  
**Subject Description:** The student shall propose a research project for approval by the Dean.  

LAW 906  Judicial Administration  
**Autumn**  Wollongong On Campus  **12cp**  
** Pre-requisites:**  ** Co-requisites:**  
**Exclusions:**  **Restrictions:**  
**Assessment:** 4 pieces of assessment  
**Contact Hours:**  
**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.  

LAW 910  Introduction to Law  
**Autumn**  Wollongong Flexible Delivery  **8cp**  
** Pre-requisites:**  ** Co-requisites:**  
**Exclusions:**  **Restrictions:**  
**Assessment:** a selection from assignments, class participation, examination and research essay  
**Contact Hours:**  
**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.  

LAW 911  Introduction to Natural Resources Law  
**Autumn**  Wollongong Flexible Delivery  **8cp**  
** Pre-requisites:**  ** Co-requisites:** LAW 910
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.

LAW 918 Law of Land and Nature Conservation
Autumn/Wollongong Flexible Delivery 8cp
Pre-requisites: LAW 910 and LAW 911
Co-requisites: Exclusions: Restrictions:
Assessment: Selection from assignments, class participation, examination and research essay.
Contact Hours:
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.

LAW 919 Water Resources Law
Autumn/Spring Wollongong Flexible Delivery 8cp
Pre-requisites: LAW 910 and LAW 911
Co-requisites: Exclusions: Restrictions:
Assessment: A selection from assignments, class participation, examination and research essay.
Contact Hours:
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.

Additional Information: This subject is offered on a mixed mode basis with a one week residential face to face teaching component.

LAW 920 Local Government and Natural Resources
To be Advised Spring Wollongong Flexible Delivery 8cp
Pre-requisites: LAW910 and LAW911
Co-requisites: Exclusions: Restrictions:
Assessment: A selection from assignments, class participation, examination and research essay.
Contact Hours:
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.

LAW 922 International Maritime Environmental Law
Spring/Autumn Wollongong Flexible Delivery 8cp
Pre-requisites: LAW 910 and LAW 911
Co-requisites: Exclusions: Restrictions:
Assessment: A selection from assignments, class participation, examination and research essay.
Contact Hours:
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: 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: This subject is offered in modular format.

LAW 923 The Law of the Sea
Autumn Wollongong Flexible Delivery 8cp
Pre-requisites: LAW 910 and LAW 911
Co-requisites: Exclusions: Restrictions:
Assessment: Class participation, examination, research essay
Contact Hours:
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.

**LAW 924 International Environmental Law**
- **Spring:** Wollongong Flexible Delivery
- **Pre-requisites:** LAW 910 and LAW 911
- **Co-requisites:**
- **Exclusions:**
- **Restrictions:**
- **Assessment:** A selection from assignments, class participation, class presentation, examination and research essay.
- **Contact Hours:**
- **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.

**LAW 928 Special Studies in Natural Resources Law**
- **Autumn/Spring:** Wollongong On Campus
- **Pre-requisites:** LAW 910 and LAW 911
- **Co-requisites:**
- **Exclusions:**
- **Restrictions:**
- **Assessment:** Research essay
- **Contact Hours:**
- **Subject Description:** A study in depth of a selected area of Natural Resources Law.

**LAW 929 Special Studies in Environmental Law**
- **Autumn/Spring:** Wollongong On Campus
- **Pre-requisites:**
- **Co-requisites:**
- **Exclusions:**
- **Restrictions:**
- **Assessment:**
- **Contact Hours:**
- **Subject Description:** A study in depth of a selected area of Natural Resources Law.

**LAW 930 Research Project in Natural Resources Law**
- **Autumn/Spring/Summer:** Wollongong On Campus
- **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
- **Exclusions:**
- **Restrictions:**
- **Assessment:** Research essay
- **Contact Hours:**
- **Subject Description:** Content as arranged.

**LAW 933 Special Studies in International Environmental Law I**
- **Autumn/Spring:** Wollongong On Campus
- **Pre-requisites:**
- **Co-requisites:**
- **Exclusions:**
- **Restrictions:**
- **Assessment:**
- **Contact Hours:**
- **Subject Description:**

**LAW 934 Special Studies in International Environmental Law II**
- **Autumn/Spring:** Wollongong On Campus
- **Pre-requisites:**
- **Co-requisites:**
- **Exclusions:**
- **Restrictions:**
- **Assessment:**
- **Contact Hours:**
- **Subject Description:**

**LAW 936 Research Project in International Environmental Law**
- **Autumn/Spring:** Wollongong On Campus
- **Pre-requisites:**
- **Co-requisites:**
- **Exclusions:**
- **Restrictions:**
- **Assessment:**
- **Contact Hours:**
- **Subject Description:**

**LAW 950 Foreign Investment Law in the People's Republic of China**
- **Summer:** Sydney Flexible Delivery
- **Pre-requisites:**
- **Co-requisites:**
- **Exclusions:**
- **Restrictions:**
- **Assessment:** class participation, negotiation group work, examination
- **Contact Hours:** 1 week intensive
- **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:** 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.

**LAW 960 Legal Studies For Professionals**
- **Spring:** Wollongong On Campus
- **Pre-requisites:**
- **Co-requisites:**
- **Exclusions:**
- **Restrictions:**
- **Assessment:** problem assignment, research essay, examination
- **Contact Hours:**
- **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 Australia's 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 general 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.

LAW 961 Selected Legal Topics in Management
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.

LAW 969 Occupational Health and Safety Law
Autumn Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: To be advised Contact Hours: 3
Subject Description: The subject deals with the interpretation and application of the NSW OHS Act.

LAW 970 Banking and Financial Institutions Law
Spring Wollongong On Campus 6cp
Pre-requisites: Bachelor of Commerce specialising in Finance or approval by the Head of Department
Co-requisites:
Exclusions: Not to count with LLB321
Restrictions:
Assessment: Seminar presentation, research essay, final examination
Contact Hours: 6
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: Identify law relevant to financial institutions and critically evaluate the impact of legal regulation on the practical operations of these institutions; demonstrate the application of contract law to the specific relationship between financial institutions and their clients, and the particular rules applying to this relationship; analyse the law relating to secured interests in property; demonstrate an understanding of the need for a lender to determine that a borrower has the capacity and authority to enter into a particular transaction; and critically evaluate the remedies available to secured lenders in the event of default.

LAW 987 Special Topic in Law - A
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description:

LAW 988 Special Topic in Law - B
Autumn/Spring Wollongong On Campus 6cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.

LAW 993 Research Essay
Autumn/Spring Wollongong On Campus 12cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: Information may be obtained from the Sub-Dean regarding the research essay.

LAW 998 Major Thesis
Annual Wollongong On Campus 48cp
Pre-requisites: A degree in law with Honours Class II or equivalent
Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: Content as arranged.

LAW 999 Special Research Paper in Law
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: Content as arranged.

LLB 843 Professional Practice
Autumn/Spring Wollongong Flexible Delivery 8cp
Pre-requisites: Bachelor of Laws degree or equivalent
Co-requisites: LLB844, LLB845 & LLB 846
Exclusions:
Restrictions: 40 students per course.
Assessment: Contact Hours:
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.
Additional Information: All applications are subject to Faculty approval.

LLB 844 Practice Management
Autumn/Spring Wollongong Flexible Delivery 8cp
Pre-requisites: Bachelor of Laws degree or equivalent
Co-requisites: LLB843, LLB845 & LLB846
Exclusions:
Restrictions: 40 students per course.
Assessment: Contact Hours:
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.
Additional Information: All applications are subject to Faculty approval.

LLB 845 Conducting Litigation
Autumn/Spring Wollongong Flexible Delivery 16cp
Pre-requisites: Bachelor of Laws degree or equivalent
Co-requisites: LLB843, LLB844 & LLB846
Exclusions:
Restrictions: 40 students per course.
Assessment: Contact Hours:
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; Family Law Practice and Advocacy.

Additional Information: All applications are subject to Faculty approval.

LLB 846 Commercial and Property Practice  
**Autumn/Spring** Wollongong Flexible Delivery **16cp**  
**Pre-requisites:** Bachelor of Laws degree or equivalent  
**Co-requisites:** LLB843, LLB844 & LLB845  
**Exclusions:**  
**Restrictions:**  
**Assessment:** Contact Hours:  
**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.

**Additional Information:** All applications are subject to Faculty approval.

LLB 950 Foreign Investment Law in the People's Republic of China  
**Summer** Sydney Flexible Delivery **8cp**  
**Pre-requisites:** Refer to Faculty  
**Co-requisites:**  
**Exclusions:**  
**Assessment:** Class participation, negotiation group work, examination.  
**Contact Hours:** 1 week intensive  
**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, 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; 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.

LLB9100 Introduction to the Australian Legal System  
**Autumn/Spring** Wollongong On Campus **6cp**  
**Pre-requisites:**  
**Co-requisites:**  
**Exclusions:**  
**Assessment:** To be advised  
**Contact Hours:**  
**Subject Description:** An overall perspective on the Australian legal system and its role in the Australian social order; an introduction to the sources and authority of legal rules, the nature of legal institutions and practices, legal materials, reasoning and terminology. Aspects of substantive law will be used to illustrate general principles.

LLB9210 Law of Contracts  
**Spring** Wollongong On Campus **8cp**  
**Pre-requisites:** LLB9100  
**Co-requisites:**  
**Exclusions:**  
**Restrictions:**  
**Assessment:** class participation, 2 assignments, final examination  
**Contact Hours:** 4 hrs  
**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:  
1. have acquired a good knowledge of the principles pursuant to which a person may be contractually bound and the consequences of being so bound;  
2. be able to identify the sources of contract law, and the relevant legal principles to apply to a given problem;  
3. be able to apply those legal principles to the analysis of complex hypothetical problems;  
4. be able to critically evaluate those principles and any need for reform.

**Additional Information:** Recommended references are listed the subject outline.

LLB9222 Perspectives on Law  
**Spring** Wollongong On Campus **8cp**  
**Pre-requisites:** None  
**Co-requisites:** LLB9100  
**Exclusions:**  
**Assessment:** assignments and a reflective journal  
**Contact Hours:** 2 hours  
**Subject Description:** This subject will comprise 2 modules chosen by the Law Faculty from among the disciplines of English, Economics, Philosophy, Politics and Science. It examines the contexts where those disciplines interact with law and the perspectives on law afforded by those disciplines.

**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 laws 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 jurisdiction, 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.

LLB9300 Remedies and Procedure  
**Autumn** Wollongong On Campus **8cp**  
**Pre-requisites:** LLB9350 or LLB9307  
**Co-requisites:**  
**Exclusions:**  
**Assessment:** class participation, assignment, examination  
**Contact Hours:** 3S  
**Subject Description:** The subject explores civil remedies available in Australia including self-help remedies and curial remedies available in law and in equity, and examines principles of civil procedure in the courts of New South Wales.

**Subject Objectives:** At the conclusion of this subject students will be familiar with the origin of each of the major curial remedies, and will understand the principles governing the availability of those remedies; be familiar with the major non curial remedies.
remedies available to an injured or wronged party; be able to analyse different factual situations to identify curial and non curial remedies which may be available to an injured or wronged party and to prepare and present arguments to support or oppose the grant of those remedies in a given case; understand and be able to utilise the procedures available in civil proceedings in a superior court; be able to evaluate the need for reform.

LLB9301 Evidence
Spring Wollongong On Campus 8cp
Pre-requisites: LLB9210
Exclusions: Restrictions:
Assessment: class participation, research essay, final examination
Contact Hours: 3S
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.

LLB9302 Law of Business Organisations
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Restrictions:
Exclusions: Assessment: Research project; class participation, case analysis and examination.
Contact Hours: 1L, 2S
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.

LLB9303 Family, Children and Welfare
Spring Wollongong On Campus 8cp
Pre-requisites: LLB9100
Exclusions: Restrictions:
Assessment: class participation, essay, group assessment, final examination.
Contact Hours: 3S
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; matrimonial 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.

LLB9304 Criminal Law and the Process of Justice
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Restrictions:
Exclusions: Assessment: class participation, essay and final examination
Contact Hours: 1L, 2S
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 an attempt to adapt it to the contours of specific problems.

LLB9305 Law of Property A
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Restrictions:
Exclusions: Assessment: Assignment and final examination
Contact Hours: 2S
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 doctrine 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.

LLB9306 Law of Property B
Spring Wollongong On Campus 8cp
Pre-requisites: LLB9305
Exclusions: Restrictions:
Assessment: assignment and final examination
Contact Hours: 3S
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 mortgages and other security interests in property; succession to title by will and on intestacy.
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, demonstrate awareness of the responsibilities of the lawyer involved with matters concerning property law.
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
reponsibilities of the lawyer involved with matters concerning
property law, and draft basic documents relevant to property
transactions.

**LLB9307 Law of Torts**

**Autumn** Wollongong On Campus 8cp

**Pre-requisites:** LLB9100

**Co-requisites:**

**Exclusions:**

**Assessment:** class participation, case study 1 and case study 2, seminar presentation and examination

**Contact Hours:** 2L, 2S

**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;
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.

**LLB9308 Public Law A**

**Autumn** Wollongong On Campus 8cp

**Pre-requisites:** LLB9100

**Co-requisites:**

**Exclusions:**

**Assessment:** 1 x 1 hour exam; take home examination

**Contact Hours:** 3S

**Subject Description:** The notion of the state and state power;
limitations on state power; the notions of constitution and
federations; 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.

**Subject Objectives:** At the conclusion of the subject students
should be able to describe the role and powers of the three arms of
government in Australia, legislature, the executive and the
judiciary, describe the relationships between the three arms of
government; critically analyse the political development of, and
the current political and administrative structure of government in
Australia; evaluate the legality of an exercise of power by the
executive, describe and assess the effect of legal limitations on the
operations of executive government at all levels in Australia.

**LLB9309 Public Law B**

**Spring** Wollongong On Campus 8cp

**Pre-requisites:** LLB9308

**Co-requisites:**

**Exclusions:**

**Assessment:** seminar presentation, research essay, exam

**Contact Hours:** 3S

**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:** Refer to subject outline

**LLB9312 Legal Theory**

**Spring** Wollongong On Campus 8cp

**Pre-requisites:** LLB9100

**Co-requisites:**

**Exclusions:**

**Assessment:** class participation, assignment, research essay

**Contact Hours:** 3S

**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.

**LLB9320 Commercial and Consumer Contracts**

**Autumn** Wollongong On Campus 8cp

**Pre-requisites:** LLB9210

**Co-requisites:**

**Exclusions:**

**Assessment:** Class participation, assignment and examination

**Contact Hours:** 3S

**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 be able to (among others): 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.

**LLB9321 Finance and Security**

**Spring** Wollongong On Campus 8cp

**Pre-requisites:** LLB9210

**Co-requisites:**

**Exclusions:**

**Assessment:** class participation, assignment, examination

**Contact Hours:** 3

**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
Euronotes, Eurobonds, Foreign Bonds and other marketable
instruments.

**LLB9330 Law of Employment**

**Autumn** Wollongong On Campus 8cp

**Pre-requisites:** LLB9210

**Co-requisites:**

**Exclusions:**

**Assessment:** class participation, assignment, essay/project and
examination

**Contact Hours:** 2L, 2S
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 be able 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.

LLB9331 Intellectual Property Law
Autumn Wollongong On Campus 8cp
Pre-requisites: LLB9100
Co-requisites: LLB9334 Environmental Law
Exclusions: Restrictions: Assessment: class participation, tutorial presentation, research essay, take-home examination
Contact Hours: 1L, 2S
Subject Description: An introduction to intellectual property law covering the six main protection regimes - copyright, design, patent, trade mark, integrated circuit design, and circuit layout design. An introduction to 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: Individual objectives set for each module of the subject

LLB9332 Labour Relations Law
Spring Wollongong On Campus 8cp
Pre-requisites: LLB9210
Co-requisites: LLB9335 Anti-Discrimination Law
Exclusions: Restrictions: Assessment: class participation, essay, take-home examination
Contact Hours: 2L, 2S
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.

LLB9334 Environmental Law
Autumn Wollongong Flexible Delivery 8cp
Pre-requisites: LLB9100
Co-requisites: LLB9341 Revenue Law
Exclusions: Restrictions: Assessment: assignment, take-home exam and research essay
Contact Hours: 1 week intensive
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 other:
1. a critical appreciation of the general anthropocentric and fragmented nature of environmental law;
2. an understanding of 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.

LLB9335 Anti-Discrimination Law
Spring Wollongong On Campus 8cp
Pre-requisites: LLB9100
Co-requisites: LLB9337 Comparative Studies in Law
Exclusions: Restrictions: Assessment: essay/research project, session journal, class participation, examination
Contact Hours: 2L, 2S
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, describe and critically evaluate the effectiveness of affirmative action legislation in Australia.

LLB9337 Comparative Studies in Law
Spring Wollongong On Campus 8cp
Pre-requisites: LLB9100
Co-requisites: LLB9337 Comparative Studies in Law
Exclusions: Restrictions: Assessment: Research essay and final examination
Contact Hours: 3S
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 learn something of 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 by contrasting it to a Civil Law legal system.

LLB9341 Revenue Law
Spring Wollongong Flexible Delivery 8cp
Pre-requisites: LLB9210
Co-requisites: LLB9341 Revenue Law
Exclusions: Restrictions: Assessment: class presentation, written advice to clients involving 2 scenarios; class participation and assignment
Contact Hours: 3S
Subject Description: General introduction to the principles of revenue law, including sales tax, customs and excise duties and other taxes, but with special emphasis on the principles of income taxation.
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.

LLB9343 International Law
Autumn Wollongong Flexible Delivery 8cp
Pre-requisites: LLB9100
Co-requisites: 
Exclusions: 
Restrictions: 
Assessment: research essay and final examination
Contact Hours: 3S
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.

LLB9344 Indigenous Peoples and Legal Systems
Spring Wollongong On Campus 8cp
Pre-requisites: LLB9100
Co-requisites: 
Exclusions: 
Restrictions: 
Assessment: essays, class participation, research paper.
Contact Hours: 3S
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 people to continuing sovereignty and self-determination, and evaluate the resistance of Australian governments and courts to these claims.

LLB9348 Media Law
Spring Wollongong Flexible Delivery 8cp
Pre-requisites: LLB9100
Co-requisites: LLB9210
Exclusions: 
Restrictions: 
Assessment: research project, class tests, open book examination
Contact Hours: 3S
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 the 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 1. 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,
2. 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.

LLB9350 Special Study in Law A
Autumn/Spring/Summer Wollongong On Campus 8cp
Pre-requisites: LLB9210
Co-requisites: 
Exclusions: 
Restrictions: 
Assessment: Not available.
Contact Hours: 
Subject Description: A study in depth of selected area of law.

LLB9351 Special Study in Law B
Autumn/Spring/Summer Wollongong On Campus 8cp
Pre-requisites: LLB9210
Co-requisites: 
Exclusions: 
Restrictions: 
Assessment: Not available.
Contact Hours: 
Subject Description: A study in depth of selected area of law.

LLB9360 Foreign Investment Law in the People's Republic of China
Summer Sydney Flexible Delivery 8cp
Pre-requisites: LLB9100
Co-requisites: LLB9210
Exclusions: 
Restrictions: 
Assessment: class participation, negotiation group work, examination
Contact Hours: 
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; 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.

LLB9362 Advanced Revenue Law
Autumn Wollongong Flexible Delivery 8cp
Pre-requisites: LLB9341
Co-requisites: 
Exclusions: 
Restrictions: 
Assessment: class participation, assignments (including minimum 40% research assignment), examination.
Contact Hours: Five day intensive
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 source materials to solve practical problems; communicate with students and work in teams.

Additional Information: Five day intensive subject.
FACULTY OF SCIENCE

MEMBER UNITS

Biological Sciences
Chemistry
Environmental Science
Geosciences

The Faculty of Science offers Postgraduate qualifications within its four departments:

Biological Sciences
Chemistry
Environmental Science
Geosciences

BIOLOGICAL SCIENCES

COURSES OFFERED:
The following courses are available:

Doctor of Philosophy
Honours Master of Science in Biotechnology
Honours Master of Science by Research
Master of Science (Biotechnology)
Master of Science (Biological Sciences)
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 mitochondrial 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 bacterium, 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.
Conservation of marine ecosystems
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
Candidates for this degree enrol in BIOL999 (Major Thesis) and undertake a research project in one of the areas listed above. Enrolment may be full-time or part-time. Intending students should first contact the Postgraduate Coordinator in the Department of Biological Sciences (Dr Bill Buttemer).

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 Bachelors 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.

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.

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's 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:

**Autumn Session**
- BIOL920 Biotechnology: Cells, Proteins and Antibodies
- BIOL921 Biotechnology: Nucleic Acids Spring Session

**Spring Session**
- BIOL910 Advanced Topics in Biology A: Literature Research Project
- BIOL918 Diagnostic Biotechnology

Co-ordinator: Dr Mark Wilson

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**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
  - GEOS945 Remote Sensing of the Environment
  - GEOS946 Geographic Information Systems
  - GEOS947 Australian Prehistory

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**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's 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 (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

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**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 by Research
Master of Science
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:

Atmospheric trace gas analysis using Fourier transform infrared spectroscopy
Atmospheric reaction mechanisms
Photochemistry caused by ozone depletion
Environmental chemistry, especially the development of new methods for the analysis and treatment of industrial wastes and trace toxins
Studies of heavy metal levels in the environment.
Electroanalytical chemistry, especially the development of chemically modified electrodes and electrochemical detectors.
Application of electrochemically-produced polymers in corrosion protection, biotechnology, catalysis, and as analytical sensors or actuators.
Dynamic processes in fluids and porous media.
Kinetics of extraction processes involved in the food and beverage industries
Structural studies of organic, organometallic, and inorganic compounds using EI, CI and FAB mass spectrometry
Model compounds of metalloproteins.
Co-ordination chemistry of ruthenium
Asymmetric synthesis using organometallic complexes and chiral polymers.
Metal-protein and metal-DNA interactions, and model studies New methods for organic synthesis and asymmetric synthesis
Chemistry of bio-active natural products.
Medicinal chemistry involving the design, synthesis and evaluation of new compounds with specific biological activity
Synthesis and properties of new heterocyclic molecules
The mechanism of senile cataract formation in humans.
Protein modification by endogenous chemicals
Structure/function of proteins and peptides using high-field NMR spectroscopy and other analytical techniques
Studies on the mass spectrometry of biological molecules such as peptides and nucleic acids
New drug delivery systems

Doctor Of Philosophy
Candidates for this degree enrol in CHEM920 and undertake a research project in one of the current research areas listed above, or in other areas on approval by the Head of Department.

Honours Master Of Science

Introduction and Objectives
There have been many rapid advances in Chemistry, particularly in chemical instrumentation, over the past decade. Many techniques and applications are now in common use which did not even exist five years ago. There
is therefore a need for Chemistry graduates, especially those of some standing, to become aware of, and proficient in, at least some of these new developments. The proposed courses are intended to 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
The course will be made up of subjects selected from those described below, in accordance with the Honours Masters Degree Rules. There are two paths to the degree:
1. by research only, for students entering with a degree of Honours Class II, Division 2 standard or above. They will do the 48 credit point CHEM920;
2. by a combination of research and coursework, for students entering with a degree below Honours Class II, Division 2 standard. They will do a research project (CHEM920) plus the three following subjects: CHEM910 Advanced Topics in Chemistry, CHEM915 Advanced Chemistry Laboratory Project, and CHEM918 Chemistry Report, described below. That is, they will take subjects to a value of 96 credit points.

Entry to the Course
Entry is subject to the approval of the Board of Research and Postgraduate Studies on the advice of the Departmental Head.

Selection of Subjects
Students must consult the Departmental Head for approval of their proposed choice of subjects.

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.

Master Of Science
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 and 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.

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
CHEM311 Inorganic Chemistry III
CHEM314 Instrumental Analysis
CHEM320 Biological Chemistry
CHEM321 Organic Synthesis and Reactivity
CHEM364 Molecular Structure and Spectroscopy
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
- Biogeography
- Economic and environmental geology
- Sedimentology of terrestrial and shallow marine sequences
- Coastal and marine resource policy

Doctor Of Philosophy

Environmental research leading to a PhD is open to students with an honours degree at a minimum standard of Class II, Division 2 in a relevant discipline. 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, Beterinary 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
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 should 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 in Environmental Science, Science, Applied Science or Engineering at Class II, Division 2 or higher (or equivalent qualifications and/or professional experience). Entry must be approved by the Head of Environmental Science AND the Head of Unit in which the research component will be completed.

Master Of Environmental Science By Coursework

This program is by coursework only. It is designed for applicants who wish to extend their knowledge of Science relating to the environment but who do not anticipate a career in research. This is a one year full time course.

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 Coordinator of the Environmental Science Unit for approval of overall program.

Core Subjects

ENVI920 The Scientific Basis of Environmental Management
ENVI921 Environmental Planning

Electives

ENVI910 Directed Studies in Pollution Chemistry
ENVI911 Directed Studies in Ecology
ENVI912 Directed Studies in Land Resources
ENVI913 Directed Studies in Earth Sciences
ENVI919 Directed Studies in Environmental Science
GEOS941 Coastal Environments
GEOS942 Geomorphology of Rivers
GEOS946 Geographic Information Systems
GEOS948 Quaternary Studies
GEOS951 Environmental Policy and Management
STS929 Studies in Resource and Environmental Policy

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.
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 & Sedimentology
Minerals & 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
Environmental geochemistry
Hydrology
Igneous petrology
Isotope geochemistry
Marine Geoscience
Metamorphic petrology
Ore geology
Palaeontology and stratigraphy
Petroleum geology and oil shales
Doctor Of Philosophy

Available to candidates with Honours degrees of at least Class II Division 2 standard. Candidates for this degree enrol in GEOS999.

Honours Master Of Science

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

The primary aim of the Honours Masters 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 (GEO944).

Master Of Science and Master Of Arts

The School of Geosciences offers a program of postgraduate level subjects which leads to the degree of Master of Science or Master of Arts. The program has been devised to meet the needs of students who wish to proceed to the postgraduate level, but for whom the research orientation of the Honours Masters degree is not appropriate.

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 Geosciences program, each of which provides a structured grouping of subjects relevant to a major vocational focus. Students are encouraged to confine their choice of subjects to one of the strands. Entry to the program and the choice of subjects will be dependent upon approval by 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
- GEOS945 Remote Sensing
- GEOS946 Geographical Information Systems
- GEOS948 Quaternary Studies
- GEOS949 Landscapes and Soils
- GEOS952 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
- GEOS968 Cultural Landscapes Master of Science (Minerals & Hard Rock Geology)
Odd Years
GEOS901 Isotope Geochemistry
GEOS904 Ore Genesis
GEOS918 Analytical Methods in Geology
GEOS910 Advanced topics in Geosciences A
GEOS912 Advanced topics in Geosciences C

Even Years
GEOS906 Metamorphism
GEOS907 Seismic Exploration
GEOS914 Volcanology
GEOS918 Analytical Methods in Geology
GEOS923 Dynamic Earth
GEOS911 Advanced Topics in Geosciences B

Master of Science (Fuels & Sedimentology)

Odd Years
GEOS901 Isotope Geochemistry
GEOS902 Diagenesis
GEOS916 Organic Geochemistry
GEOS909 Applied Geophysics
GEOS918 Analytical Methods in Geology
GEOS919 Basin Setting and Analysis
GEOS921 Environmental Geology

Even Years
GEOS903 Biostratigraphy
GEOS907 Seismic Exploration
GEOS913 Advanced Topics in Geology D
GEOS917 Petroleum Geology
GEOS918 Analytical Methods in Geology
GEOS920 Organic Petrology
GEOS923 Dynamic Earth

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.
BIOLOGICAL SCIENCES

BIOL910 Advanced Topics in Biology A: Literature Research Project
Autumn/Spring Wollongong On Campus 16cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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 supervising staff.
Additional Information: Contact Head of Department before enrolment.

BIOL911 Advanced Topics in Biology B: Laboratory Research Project
Autumn/Spring Wollongong On Campus 16cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.
Additional Information: Contact Head of Department before enrolment.

BIOL916 Plant and Agricultural Biotechnology
Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.
Additional Information: Contact Head of Department before enrolment.

BIOL917 Aquatic and Environmental Biotechnology
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.
Additional Information: Contact Head of Department before enrolment.

BIOL918 Diagnostic Biotechnology
Autumn/Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: Production of probes based on DNA and antibody technology for the diagnosis of diseases of humans, plants and animals. Utilisation of such probes to detect specific pathogens in tissue samples and environmental samples. Collection and preservation of samples. DNA restriction analysis, oligonucleotide mapping and antigen detection in identifying micro-organisms. Basic epidemiology, ELISA and immunodiagnosis. The subject will provide the scientific background behind these topics, relevant practical knowledge and an understanding of their applications in developed and developing countries.
Additional Information: Contact Head of Department before enrolment.

BIOL920 Biotechnology: Cells, Proteins & Antibodies
Spring Wollongong On Campus 12cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Additional Information: Contact Head of Department before enrolment.

BIOL921 Biotechnology: Nucleic Acids
Spring Wollongong On Campus 12cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Additional Information: Contact Head of Department before enrolment.

BIOL951 Research Techniques in Conservation
Autumn Wollongong On Campus 16cp
Pre-requisites: Degree in a relevant discipline area.
Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
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.
Additional Information: Contact Head of Department before enrolment.

BIOL952 Sustainable Forest Management
Autumn/Spring Wollongong On Campus 16cp
Pre-requisites: Appropriate degree. Compulsory for all students undertaking an MSc in Chemistry by coursework, except for students who have passed CHEM411 or completed the subject in a Graduate Diploma in Science (Chemistry). Not to count with CHEM411 or CHEM911

Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:

Subject Description: The student 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.

Additional Information: Contact Head of Department before enrolment.

CHEMISTRY

CHEM910 Advanced Topics in Chemistry
Annual Wollongong On Campus 16cp
Pre-requisites: Appropriate degree. Compulsory for all students undertaking an MSc in Chemistry by coursework, except for students who have passed CHEM411 or completed the subject in a Graduate Diploma in Science (Chemistry). Not to count with CHEM411 or CHEM911

Co-requisites: Exclusions: Restrictions: Assessment: Written examinations 50%; written assignments 50%.

Contact Hours:

Subject Description: Students will choose four advanced lecture topics from a range offered covering the full spectrum of the discipline and the Department's research interests. In addition, they will undertake study of four topics, chosen in consultation with the M.Sc. program coordinator (Assoc Prof. W. Price), to broaden their general chemical knowledge. This will be carried out via directed reading and individual tutorials and assessed by written work.

Additional Information: Subject Co-ordinator: Assoc Prof Will Price, Building 18, room 112; phone: 0242 213529; email: will_price@uow.edu.au

CHEM911 Selected Topics in Chemistry B
Autumn/Spring Wollongong On Campus 8cp
Pre-requisites: Appropriate degree. Not to count with CHEM910

Co-requisites: Exclusions: Restrictions: Assessment: Written examination 90%, essay 10%.

Contact Hours: 28hrL, 28hrT

Subject Description: Four topics (each 7 lectures/7 tutorials) chosen from: Organic and inorganic Geochemistry and its effects on the Environment; Synthesis of biologically important compounds; Plant secondary metabolism; The Bioinorganic Chemistry of Iron; Inorganic Reaction Mechanisms; Catalysis with Organometallic Compounds; Physical Mass Spectrometry; Analysis of Atmospheric gases; Computers in Chemistry; Advanced NMR Techniques; and other topics added as required.

Additional Information: Subject Co-ordinator: Assoc Prof Will Price, Building 18, room 112; phone: 0242 213529; email: will_price@uow.edu.au

CHEM915 Advanced Chemistry Laboratory Project
Autumn/Spring Wollongong On Campus 16cp
Pre-requisites: Appropriate degree.

Co-requisites: Exclusions: Restrictions: Assessment: Substantial report 90% and seminar 10%.

Contact Hours: 168hrs lab work

Subject Description: Under the supervision of staff appointed by the Departmental Head the student will undertake a laboratory project and present a written report and a seminar on a topic chosen by the supervising staff.

Additional Information: Subject Co-ordinator: Assoc Prof Will Price, Building 18, room 112. Phone: 0242 213529; email: will_price@uow.edu.au

CHEM918 Chemistry Report
Annual Wollongong On Campus 16cp
Pre-requisites: Appropriate degree Co-requisites: Restrictions: Assessment: Substantial report 90% and seminar 10%
ENVIRONMENTAL SCIENCE

ENV1910 Directed Studies in Pollution Chemistry
Annual Wollongong On Campus 12cp
Pre-requisites: 24 cp Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: The chemistry of water and air pollution. Toxins in the environment. Sources, sinks and transport processes, methods for quantitative measurement and control.

ENV1911 Directed Studies in Ecology
Annual Wollongong On Campus 12cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Continuous assessment and final examinations for coursework (autumn session); major case study report and seminar (either session)
Contact Hours: 26hrs L, 13hrs T, proj

ENV1912 Directed Studies in Land Resources
Annual Wollongong On Campus 12cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: This subject will examine coastal, river, water and soil managements focussing on human induced changes to these natural systems. Emphasis will be given to geomorphological processes, remote sensing of land and biological resources.

ENV1913 Directed Studies in Earth Sciences
Annual Wollongong On Campus 12cp
Pre-requisites: Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description: Topics include the relationship of mining operations to communities; composition of mine waters, dusts and stack emissions; reclamation of mine sites; effects of mine subsidence; the composition, uses and disposal of waste residues; environmental effects of pollution, erosion and deposition; environmental impact studies.

ENV1914 Directed Studies in Pollution (Part 1)
Spring Wollongong On Campus 6cp
Pre-requisites: 24 cp Co-requisites:
Exclusions: Restrictions:
Assessment: Contact Hours:
Subject Description:

Pre-requisites: Appropriate degree Co-requisites:
Exclusions: Major thesis Restrictions:
Assessment: Contact Hours:
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.

Additional Information: Subject Co-ordinator: Assoc Prof Will Price, Building 18, room 112; phone: 0242 213529; email: will_price@uow.edu.au

CHEM920 Chemistry Research Project
Annual Wollongong On Campus 48cp
ENVI929 Thesis
Autumn Wollongong On Campus 12cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: A research topic in an area of environmental science will be selected by each candidate after consultation with the degree co-ordinator. The thesis will be supervised by staff from the appropriate department or departments.

ENVI930 Thesis
Annual/Autumn Wollongong On Campus 24cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: Contact Hours:
Subject Description: A research topic in an area of environmental science will be selected by each candidate after consultation with the degree co-ordinator. The thesis will be supervised by staff from the appropriate department or departments.

GEOSCIENCES

GEOS901 Isotope Geochemistry
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: as appropriate from essays, reports, seminars, final examination Contact Hours: up to 42 hrs
Subject Description: Topics include principles of and spatial and temporal considerations; experimental studies; plate tectonics and ore genesis; hydrothermal fluids, fluid inclusions; genesis of hydrothermal, magmatic, metasomatic, sedimentary and residual deposits.

GEOS902 Diagenesis
Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: as appropriate from essays, reports, seminars, final examination Contact Hours: 42 hrs, + field work
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.

GEOS903 Biostratigraphy
Autumn Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: as appropriate from essays, reports, seminars, final examination Contact Hours: 42 hrs, + field work
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.

GEOS904 Ore Genesis
Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: as appropriate from essays, reports, seminars, final examination

Contact Hours: 42 hrs, + field work
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.

GEOS905 Metamorphism
Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: as appropriate from essays, reports, seminars, final examination Contact Hours: 42 hrs, + field work
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.

GEOS907 Seismic Exploration
Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: as appropriate from essays, reports, seminars, final examination Contact Hours: 42 hrs, + field work
Subject Description: Topics include acquisition and processing of seismic data, structural interpretation of seismic sections; seismic stratigraphy; well logging and well ties; 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.

GEOS909 Applied Geophysics
Spring Wollongong On Campus 8cp
Pre-requisites: Co-requisites: Exclusions: Restrictions: Assessment: as appropriate from essays, reports, seminars, final examination Contact Hours: 42 hrs, + field work
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.

GEOS910 Advanced Topics in Geosciences A
Annual Wollongong On Campus 16cp
Pre-requisites: 
Co-requisites: 
Exclusions: 
Restrictions: 
Assessment: as appropriate from essays, reports, seminars, final examination
Contact Hours: 
Subject Description: This project will consist of a library and/or laboratory study on some topical aspect of geosciences equivalent to one third of full-time study.

GEOS911 Advanced Topics in Geosciences B
Annual Wollongong On Campus 16cp
Pre-requisites: 
Co-requisites: 
Exclusions: 
Restrictions: 
Assessment: as appropriate from essays, reports, seminars, final examination
Contact Hours: 
Subject Description: This project will consist of a library and/or laboratory study on some topical aspect of geosciences equivalent to one third of full-time study.

GEOS912 Advanced Topics in Geosciences C
Autumn/Spring Wollongong On Campus 8cp
Pre-requisites: 
Co-requisites: 
Exclusions: 
Restrictions: 
Assessment: as appropriate from essays, reports, seminars, final examination
Contact Hours: 
Subject Description: This project will consist of a library and/or laboratory study on some topical aspect of geosciences equivalent to one sixth of full-time study.

GEOS913 Advanced Topics in Geosciences D
Autumn/Spring Wollongong On Campus 8cp
Pre-requisites: 
Co-requisites: 
Exclusions: 
Restrictions: 
Assessment: as appropriate from essays, reports, seminars, final examination
Contact Hours: 
Subject Description: This project will consist of a library and/or laboratory study on some topical aspect of geosciences equivalent to one sixth of full-time study.

GEOS914 Volcanology
Autumn Wollongong On Campus 8cp
Pre-requisites: 
Co-requisites: 
Exclusions: 
Restrictions: 
Assessment: as appropriate from essays, reports, seminars, final examination
Contact Hours: 42 hrs, + field work
Subject Description: Topics include physical aspects of volcanology of both modern and ancient volcanic deposits; tectonic setting of volcanoes and the physical properties of magmas; effects on volcanic processes and deposits.

GEOS916 Organic Geochemistry
Autumn Wollongong On Campus 8cp
Pre-requisites: 
Co-requisites: 
Exclusions: 
Restrictions: 
Assessment: as appropriate from essays, reports, seminars, final examination
Contact Hours: 42 hrs, + field work
Subject Description: 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.

GEOS917 Petroleum Geology
Spring Wollongong On Campus 8cp
Pre-requisites: 
Co-requisites: 
Exclusions: 
Restrictions: 
Assessment: as appropriate from essays, reports, seminars, final examination
Contact Hours: 42 hrs, + field work
Subject Description: Topics include definition and prediction of subsurface petroleum reservoirs based on sedimentological and petrological criteria; use of facies models for reservoir prediction and evaluation; reservoir dynamics - fluid migration, entrapment and extraction; drilling and extraction methods, well testing, reservoir and reserve evaluation; Australian and international petroleum reserves.

GEOS918 Analytical Methods in Geology
Autumn Wollongong On Campus 8cp
Pre-requisites: 
Co-requisites: 
Exclusions: 
Restrictions: 
Assessment: as appropriate from essays, reports, seminars, final examination
Contact Hours: 42 hrs per week
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.

GEOS919 Basin Setting and Analysis
Spring Wollongong On Campus 8cp
Pre-requisites: 
Co-requisites: 
Exclusions: 
Restrictions: 
Assessment: as appropriate from essays, reports, seminars, final examination
Contact Hours: 42 hrs, + field work
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.

GEOS920 Organic Petrology
Spring Wollongong On Campus 8cp
Pre-requisites: 
Co-requisites: 
Exclusions: 
Restrictions: 
Assessment: as appropriate from essays, reports, seminars, final examination
Contact Hours: 42 hrs, + field work
Subject Description: Topics include sample preparation; fluorescence and white light microscopy; macerals, microlithotypes, lithotypes; evolution of flora; coal-forming environments; formation of peat; coalification; type and rank; heat-affected coals, coke; Gondwana coals; coal petrology and associated stratigraphic, tectonic and palaeogeographic problems; minerals in coal and oil shale.

GEOS921 Environmental Geology
Spring Wollongong On Campus 8cp
Pre-requisites: 
Co-requisites: 
Exclusions: 
Restrictions:
Assessment: as appropriate from essays, reports, seminars, final examination
Contact Hours: 42 hrs, + field work
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.

GEOS935 Research Report
Autumn/Spring  Wollongong On Campus  8cp
Pre-requisites:  Co-requisites:  Exclusions:  Restrictions:
Assessment: research report
Contact Hours: 2hrs workshop p/week
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.

GEOS944 Major Thesis
Annual  Wollongong On Campus  48p
Pre-requisites:  Co-requisites:  Exclusions:  Restrictions:
Assessment: Contact Hours:
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.

GEOS945 Remote Sensing
Spring  Wollongong On Campus  8cp
Pre-requisites:  Co-requisites:  Exclusions:  Restrictions:
Assessment: as appropriate from class tests, essays, research project, practical work, final examination
Contact Hours: 4hrs per week
Subject Description: This subject introduces the principles and techniques for identifying and mapping environmental features using images obtained from satellites and aircraft. Satellite imagery from Landsat, SPOT, NOAA and ERS will be examined. Case studies will be used to illustrate the multidisciplinary scope of remote sensing. Topics include environmental monitoring, vegetation analysis, geological exploration and urban planning. Practical work involves the development of interpretation skills as well as computer-based digital analysis.

GEOS946 Geographic Information Systems
Autumn  Wollongong On Campus  8cp
Pre-requisites:  Co-requisites:  Exclusions:  Restrictions:
Assessment: as appropriate from class tests, essays, research project, practical work, final examination
Contact Hours: 5hrs per week
Subject Description: This subject introduces the principles and techniques for identifying and mapping environmental features using images obtained from satellites and aircraft. Satellite imagery from Landsat, SPOT, NOAA and ERS will be examined. Case studies will be used to illustrate the multidisciplinary scope of remote sensing. Topics include environmental monitoring, vegetation analysis, geological exploration and urban planning. Practical work involves the development of interpretation skills as well as computer-based digital analysis.

GEOS947 Australian Prehistory
Spring  Wollongong On Campus  8cp
Pre-requisites:  Co-requisites:  Exclusions:  Restrictions:
Assessment: as appropriate from class tests, essays, research project, practical work, final examination
Contact Hours: 6 hrs, + field work
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; extinction of giant
Autumn: Assessment: from the interface of human and physical geography. This project, practical work, final examination.

Subject Description: GEOS9S2 Climate and Natural Hazards. 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.

Spring: 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; climatic and geomorphic controls on landforms; erosion; weathering processes and the formation of soils, laterites, silcretes and calcretes; soil surveying; environmental records of lakes; groundwater and surface-water processes and chemistry; dating of land-surfaces and groundwater; the hydrological cycle.

Spring: 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 current approaches to environmental decision-making, assessment and evaluation. Emphasis is placed on the influence of political philosophies and social value 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.

Spring: 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.

Spring: 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.

Spring: 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.

Spring: 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.

Spring: Assessment: as appropriate from class tests, essays, research project, practical work, final 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.
Exclusions: Restrictions: 
Assessment: essay, tutorial paper, practical/field assignments, field report, theory examination 
Contact Hours: 4 hrs, + field work 
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.

GEOS970 Project A
Annual Wollongong On Campus 18cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: reports, seminars, essays and examinations as appropriate 
Contact Hours: 
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.

GEOS971 Project B
Annual Wollongong On Campus 18cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: report, seminar and essays and examinations as appropriate 
Contact Hours: 
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.

GEOS999 Major Thesis
Annual Wollongong On Campus 48cp
Pre-requisites: Co-requisites: 
Exclusions: Restrictions: 
Assessment: 
Contact Hours: 
Subject Description: The major thesis for the Doctor of Philosophy degree takes the form of a supervised research project on an approved topic.
PUBLIC HOLIDAYS:
Australia Day Holiday, 26/1
Good Friday, 21/4
Easter Monday, 24/4
Anzac Day, 25/4
Queen's Birthday Holiday, 12/6
Bank Holiday* 7/6
Labour Day, 2/10
Olympic Games, 15/9 to 1/10
Christmas Day, 25/12
Boxing Day, 26/12
* for regional observance only

GRADUATION DATES:
25, 26, 27, 28 or 31/7 (provisional)
11, 12, 14, 15/12 (provisional)
Open Day; 27/8
Postgraduate Research Student Open Day, (tba)

ORIENTATION DATES:
21-25/2
Enrolment Dates (New UG Students)
Main Round, 25, 27, 28, 31/1
Final Round, 21/2
International Students, 22/2

SESSION DATES:
Summer Session: 8/12/99 - 13/02/00
Lectures Commence 8 - 19/12
Christmas Recess 20/12/99 - 2/1/00
Lectures Recomence 4/1 - 5/2
Examinations 7 - 15/2

Autumn Session: 21/02 - 9/7
Orientation Week 21 - 27/2
Lectures Commence 28/2 - 20/4
Easter Recess 21 - 20/4
Lectures Recomence 1/5 - 4/6
Study Recess 5 - 11/6
Examinations 13 - 25/6
Mid Year Recess 26/6 - 9/7

Spring Session: 10/7 - 5/12
Lectures Commence 10/7 - 8/9
Reces 9/9 - 8/10
Lectures Recomence 9/10 - 3/11
Study Recess 4 - 12/11
Examinations 13 - 24/11

BUSINESS SCHOOL DATES:
Intake B Wollongong
Course start date - 23/4
Enrolment & Orientation - 18/4

Intake C Wollongong
Course start date - 9/7
Enrolment & Orientation - 4/7

Intake D Wollongong
Course start date - 24/9
Enrolment & Orientation - 19/9

Intake A Sydney
Course start date - 5/2
Enrolment & Orientation - 1/2

Intake B Sydney
Course start date - 23/4
Enrolment & Orientation - 19/4

Intake C Sydney
Course start date - 9/7
Enrolment & Orientation - 5/7

Intake D Sydney
Course start date - 24/9
Enrolment & Orientation - 20/9