

THE UNIVERSITY OF
Adelaide



CALENDAR VOLUME II

Part II:
Handbook of Postgraduate Courses

2000



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the Arms of the University

The heraldic description of the Coat of Arms
is as follows:

Per pale Or and Argent an Open Book
proper edged Gold on a Chief Azure
five Mullets, one of eight, two of
seven, one of six and one of five
points of the second, representing

the Constellation of the Southern Cross;
and the Motto associated with the Arms is

Sub cruce lumen

'The light (of learning) under the (Southern) Cross'



address for correspondence

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General Course Rules

Preamble

The aim of the General Course Rules is to bring together in one place all general policies regarding course matters. If, for reasons of space, the full policy statement on any area is not included in the General Course Rules then appropriate cross-references have been included so that at least students and staff know where to look for policy statements on any given area.

The following rules apply to all courses offered by the University although there is often a distinction made in the rules between undergraduate and postgraduate courses.

All courses offered by the University have been developed within the framework of the General Course Rules printed below. As all students must comply with these rules, students are advised to become familiar with them in order to gain an understanding of their rights and responsibilities with regard to course matters.

Note: Some changes to the nomenclature used in these rules and the specific course rules are to be made.

1 Postgraduate courses

1.1 Admission requirements

What follows are *general* rules for admission to postgraduate courses.

Detailed admission requirements for each postgraduate course are contained in the appropriate set of Specific Course Rules.

1.1.1 Graduate certificates

1 Standard admission

An applicant for admission to the course of study for the Graduate Certificate shall *normally*:

- (a) have qualified for an appropriate degree or an appropriate Honours degree of the University or
- (b) hold qualifications from another institution accepted by the Faculty for the purpose and
- (c) have completed such other prerequisite work as may be prescribed in the Specific Course Rules for the Graduate Certificate.

Courses within the Faculty of Performing Arts normally require a satisfactory audition as well.

2 Discretionary admission

The Council* may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of (1) above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

*Council has delegated this authority to Deans of Faculties

1.1.2 Graduate diplomas

1 Standard admission

An applicant for admission to the course of study for the Graduate Diploma shall *normally*:

- (a) have qualified for an appropriate degree or an appropriate Honours degree of the University or
- (b) hold qualifications from another institution accepted by the Faculty for the purpose and
- (c) have completed such other prerequisite work as may be prescribed in the Specific Course Rules for the Graduate Diploma.

Courses within the School of Performing Arts normally require a satisfactory audition as well.

2 Discretionary admission

The Council* may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of (1) above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

*Council has delegated this authority to Deans of Faculties

1.1.3 Postgraduate diplomas

An applicant for admission to the course of study for a Postgraduate Diploma shall

- (i) have qualified for a Graduate Certificate of the University in an approved field of study or an equivalent award of another institution accepted for the purpose by the Faculty or

- (ii) have qualified for a degree or a three year diploma of the University in an approved field of study, or for an equivalent award of another institution accepted for the purpose by the Faculty.

1.1.4 Master degrees

1 Standard admission

An applicant for admission to the course of study for the degree of Master shall normally:

- (a) have qualified for an appropriate degree or an appropriate Honours degree of the University *or*
- (b) hold qualifications from another University or institution accepted by the Faculty for the purpose *and*
- (c) have completed such other prerequisite work as may be prescribed in the Specific Course Rules for the Master degree.

Courses within the School of Performing Arts normally require a satisfactory audition as well

2 Discretionary admission

With the approval of the Board of Graduate Studies, acting with authority wittingly devolved to it by Council*, the Dean of Graduate Studies may, acting on a recommendation from the head of the department concerned, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree of Master a person who does not satisfy the requirements of (1) above but who has given evidence satisfactory to the Board of fitness to undertake work for the degree of Master.

* Council has delegated authority to the Dean of Faculty in the case of Master degrees by coursework

3 Conditional Admission — qualifying or probationary period for Master degrees

A candidate admitted under (1) or (2) above may be required to pass such qualifying or bridging work as the Board of Graduate Studies*, acting on a recommendation from the head of the department concerned, shall determine before the candidate's admission to the Master degree may be confirmed by the Board.

*The Faculty in the case of Master degrees by coursework.

1.1.5 Degrees of Doctor of Philosophy (Ph.Ds)

The degree of Doctor of Philosophy has its own set of Rules contained in *The University Calendar Volume II, Part II: Handbook of Postgraduate Courses*.

Regulation 6 of the Ph.D. states:

Except as otherwise prescribed in the rules, the academic standing required for acceptance as a candidate shall be an Honours degree of Bachelor of at least a IIA Standard or a degree of Master of the University of Adelaide or the equivalent thereof. Applications from students with other qualifications will require the approval of the Board of Graduate Studies.

1.1.6 Higher doctorates

Higher doctorates offered by the University have their own sets of Rules, available from Deans of Faculties.

1.2 Assessment and examinations

The following applies to students undertaking coursework postgraduate studies:

Chapter 17 of the Statutes - *Of Examinations and Other Forms of Assessment*, prescribes procedures for dealing with misconduct in examinations and other forms of assessment.

In addition, the University has a detailed policy statement on assessment matters (including Student Appeal and Grievance Procedures).

1.2.1 Plagiarism and related forms of cheating

Section 7.12 of the Handbook of Administrative Policies and Procedures states the University's policy on dealing with plagiarism as follows:

1 Statement and definition of plagiarism and related forms of cheating

Plagiarism is expressly prohibited by Statute 17 *Of Examinations and Assessment* which states under Section 2:

'No candidate shall submit for assessment, whether by examination or otherwise, any piece of work which is not entirely the candidate's own, except where either:

- (a) use of the words or ideas of others is appropriate and duly acknowledged, *or*
- (b) the examiner has given prior permission for joint or collaborative work to be submitted.

2 Definition

Plagiarism consists of a person using the words or ideas of another as if they were his or her own. The University of Adelaide regards plagiarism as a very serious offence. At the very least it is a misuse of academic conventions; where it is deliberate and systematic, plagiarism is cheating and false pretences. It is the obligation of every member of the University to understand and respect the rules concerning plagiarism; the excuse of ignorance will not be accepted. Plagiarism can take several forms:

- 1 presenting substantial extracts from books, articles, theses, and other published or unpublished works such as working papers, seminar and conference papers, internal reports, computer software, lecture notes or tapes, and other students' work, without clearly indicating their origin with quotation marks and references such as footnotes;
- 2 using very close paraphrasing of sentences or whole paragraphs without due acknowledgment in the form of reference to the original work;
- 3 quoting directly from a source and failing to insert quotation marks around the quoted passages. In such cases, it is not adequate to merely acknowledge the source.

3 Related forms of cheating

Other forms of cheating which will also be treated with the utmost seriousness include:

- 1 submitting work written by someone else on the student's behalf;
- 2 submitting another student's work whether or not it has been previously submitted by that student;
- 3 two students separately submitting the same piece of work upon which they have illicitly collaborated;
- 4 a student submitting a piece of his or her own work for two different subjects.

4 Disciplinary action

Cases of plagiarism or related forms of cheating will be dealt with under the terms of Statute 12 'Of Conduct of Students in the University'.

Postgraduate students should consult the University of Adelaide's *Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees* and the University of Adelaide's booklet on Higher Degree Administration as well as the Guidelines on Higher Degrees by Research and Specifications for Thesis contained in the *Calendar Volume II, Part II: Handbook of Postgraduate Courses*.

They should also consult the Specific Course Rules for the course they are undertaking.

1.3 Computing facilities: rules for student use

1.3.1 General

Computing facilities provided by the University for students are primarily for use in association with a course of study and activities related to that course.

It is expected that all students will make use of University computing facilities in a manner which is ethical, legal and does not interfere with use by others.

Failure to abide by the following rules will be treated as misconduct and may result in disciplinary action.

1.3.2 Rules for students

- (a) You may use only those facilities which have been authorised for your use. If access is protected by a password, you may not make this password available to others. You may not use any account set up for another user, nor may you attempt to find out the password of another user.
- (b) You may only use authorised facilities for authorised purposes. For example, facilities made available for learning and teaching may not be used for private purposes.

1.3.3 Breach of rules

- (a) Failure to observe these requirements could mean that an action for misconduct will be brought against you. The University's Board of Conduct has the

power to impose a fine of up to \$100 or suspend a student's right to use any University facility for up to one year. It can also recommend to Council that a student be suspended or expelled from the University.

- (b) Misconduct that amounts to sexual harassment may be dealt with by the University's Sexual Harassment Committee. Some types of harassment or offensive conduct may be in breach of the Equal Opportunities Act.
- (c) Some forms of conduct may be criminal offences. These include hacking, theft, and unauthorised copying. Using a password protected computer system without authority could result in a fine of up to \$2000 and imprisonment. Sending an offensive message may also be a criminal offence.
- (d) Some conduct, in particular unauthorised copying, could result in civil legal action being taken against you.
- (e) Academic staff have a general power to dismiss students from their classes if they consider the student is disrupting the class; and a Head of department may exclude any student from any class in that department 'for any cause he or she shall deem sufficient'. (Such exclusion may be reversed, varied or confirmed by University Council).
- (f) Breaches or suspected breaches of the rules should be reported to a supervisor, the Chair of the relevant Local Management Group, or the Director, University Computing Services.

- (b) The normal academic year shall begin on the Monday nearest 1 March and shall extend over a period of forty-two weeks with such vacation weeks within that period as may be determined from time to time and specified in advance by the Council.
- (c) For the clinical years of the medical and dental courses the Council may prescribe dates other than those of the normal academic year for the performance by undergraduates of part of their training and work in hospitals; provided that such undergraduates shall be enabled to have not less than eight weeks of vacation in any calendar year.
- (d) For practical tuition in music within the degree courses and all single subject tuition in the Elder Conservatorium of Music the Council may prescribe dates other than those of the normal academic year.
- (e) For candidates proceeding to a degree of master or doctor the academic year shall be the same as a calendar year; provided that any such student may have a vacation period or periods aggregating four weeks in each full year of study and research.
- (f) The Council shall have power to vary these dates to meet any special circumstances arising in any year.

Statute allowed 16 December, 1971.

Amended: 23 Jan. 1975: 1(b); 15 Jan. 1976: 2(c); 24 Feb. 1983: 1(d), 1(e), 1(f), 2; 20 July, 1989: 1(b), 2, 3(a), 3(b), 3(c); 1 Mar. 1990: 1(b)

note

1. The Australian Vice-Chancellors' Committee regularly prescribes certain weeks as 'common vacation weeks' for purposes of national conferences, inter-varsity contests, etc. For the purpose of calculating those common weeks, the first teaching week as defined in 1(b) above shall be regarded as Week 1.

2. The academic year comprises two semesters, each consisting of two terms separated by a mid-semester break.

1.4 Enrolment and re-enrolment

1.4.1 Academic year

What follows is clause 1 of Statute Chapter 8 - Of the Academic Year.

- I (a) Subject to the following subsections of this clause the Council shall from time to time specify the periods of the calendar year that shall constitute the academic year for teaching, examinations and vacation periods. Such specifications may divide the calendar year into semesters or into three or more terms.

1.4.2 Approval of Course of Study at Enrolment

Each student's course of study shall be approved by the relevant Dean of Faculty or School (or nominee) at enrolment each year, unless

General Course Rules

otherwise stated in the Specific Course Rules pertaining to the student's course/s.

1.4.3 Amendment to enrolment

Any amendment to an enrolment must be requested on the approved form and must be approved by the relevant Faculty. Except with the permission of the Faculty withdrawal from an annual or semester subject after the date prescribed by Council for such changes shall be counted as failure. [See also 1.4.23 Withdrawal Dates].

1.4.4 Availability of subjects

If in any year/semester the student enrolment for a particular subject offered by the Faculty is less than the minimum specified by the Faculty, the Faculty shall not be bound to offer that subject.

The availability of any subject is conditional upon a minimum enrolment and the availability of staff and resources.

1.4.5 Compliance with rules

Clause 15 of Chapter 25 of the Statutes, states the following: .

On each enrolment a student shall complete the following declaration: 'I undertake to obey the statutes and regulations of the University of Adelaide and to comply with such Rules as may from time to time lawfully have been made by or with the authority of the Council of the University.'

1.4.6 Course overloads

The following is sub-section 7.9 of the Handbook of Administrative Policies and Procedures:

1 Principles relating to student overloads

The following statements of principle and suggestions for practical implementation have been approved by Council in regard to students wishing to undertake course work study which constitutes more than a normal year's workload:

- 1 The problem of course overloads does not lie in the freedom of students to overload, since no difficulty is encountered by many students who attempt more than a normal workload. The problem lies with students who, in exercising their right of choice, decide badly. The University seeks therefore to assist the decision making capabilities of a student rather than to limit the choices available to all.

- 2 All students seeking to enrol with overload must be identified and interviewed by a Course Adviser. Course Advisers should have available to them the previous academic record of the student, and both Adviser and student should be informed about the problems which may be associated with overload.
- 3 If the student after a full discussion and despite advice from the Course Adviser persists with the overload enrolment, it should not be prevented.
- 4 In the case of all overloads by students the Dean/Course Adviser should periodically consider the progress of the student concerned so that in the case where the student appeared not likely to be successful in his or her work, advice could be given for withdrawal from a subject prior to the scheduled last date of withdrawal.
- 5 In the case of a student wishing to take an overload, the Course Adviser should put his or her advice to the student in writing.
- 6 A student may decline the advice of a course adviser in which event the student risks the possibility in some Faculties of exclusion provisions being applied in the event of failure.

1.4.7 Cross-institutional enrolment

Students enrolled in a course of study at one higher education institution who want to count subjects or topics offered at one (or more) of the other institutions as part of their award may be admitted to such subjects as Cross-Institutional Students.

The institution at which the award is to be completed is referred to as the 'home institution'. The institution at which cross enrolment in subjects is sought is referred to as the 'other institution'.

Quotas

Normal quotas on admission to award courses do not apply. However, the other institution may not admit Cross-Institutional students in subjects where insufficient places are available for its own students.

Conditions of Admission

Cross-Institutional Students are subject to the same Statutes, Regulations and rules as apply to students enrolled in an award course at the other institution at which they are allowed to enrol. If a Cross-Institutional Student is subsequently admitted to a course leading to an award at the other institution at which they have been allowed cross-institutional enrolment, subjects or topics passed while enrolled on a cross-institutional basis may only be counted towards an award of the other institution if specific approval is granted by the other institution.

Union membership and Fee

Cross-Institutional Students will be required to pay the appropriate Union fee at the home institution and may be required to pay a statutory fee at the other institution.

note: In the case of Adelaide University, Council has delegated the authority to grant approval to students wishing to count cross-institutional subjects towards an award to the Dean of the Faculty concerned.

1.4.8 Duration of courses

What follows are general statements about course duration. Please refer to the Specific Course Rules for each course for any precise statements about course duration.

1 Graduate certificates

The course of study will normally be completed in one semester of full-time study or in not more than two years of part-time study.

2 Graduate diplomas

The course of study will normally be completed in one year of full-time study or in not more than three years of part-time study.

3 Postgraduate diplomas

The course of study will normally be completed in one year of full-time study or the part-time equivalent.

4 Master degrees

The length of Master degrees varies from one year full-time to up to three years full-time. Please consult the Specific Course Rules for individual Master degrees for details on course duration.

5 Degrees of Doctor of Philosophy (Ph.Ds)

Regulation 8 for the degree of Doctor of Philosophy covers the length of study.

1.4.9 Enrolment by prescribed date and payment of fees

Under Chapter 9 *Of Admission and Enrolment*, clause 2 states the following:

An applicant may enrol in the University only if the applicant

- (a) has satisfied the requirements for admission under the Rules approved by Council
- (b) has been offered a place in a course of study or subject in accordance with the selection criteria and procedures approved by Council and
- (c) has lodged a completed enrolment form and has paid, or made arrangements satisfactory to the Registrar for payment of, the prescribed fees and charges.

The following are clauses 2 and 3 of Chapter 8 of the Statutes - Of the Academic Year:

- 2 A candidate shall enrol for the year's work not later than the date prescribed by the Council. An enrolment submitted after that date shall not necessarily be accepted, and if accepted shall incur such late enrolment fee as the Council may prescribe unless there be adequate reason why it had not been submitted by the prescribed date. Application for remission of the late enrolment fee must be made in writing and be addressed to the Registrar.
- 3
 - (a) Subject to subsections (b) and (c) of this clause, all fees and charges in any academic year shall be paid at the time of enrolment.
 - (b) A student shall be liable for any increase, or entitled to refund of any decrease, in the total fee so paid that may arise through variation of enrolment during the year.
 - (c) The Registrar may allow in individual cases an extension of time for payment of fees. A student who fails to pay fees as prescribed in sub-section (a) of this clause or within such extended time as may have been allowed by the Registrar shall incur such additional fee as may be prescribed by the Council.

Statute allowed 16 December, 1971.

Amended: 23 Jan. 1975: 1(b); 15 Jan. 1976: 2(c); 24 Feb. 1983: 1(d), 1(e), 1(f), 2; 20 July, 1989: 1(b), 2, 3(a), 3(b), 3(c); 1 Mar. 1990: 1(b)

See also section 5 on Fees.

1.4.10 Repeal or alterations of course of study

In all cases where regulations and rules affecting the course of study for any degree or diploma of the University have been or shall be repealed or altered, the Council may nevertheless allow candidates who have previously entered under the regulations repealed or altered to complete their course thereunder, but may impose such conditions or modifications as may seem good to the Council in each individual case.

In all cases where the regulations and rules affecting the degree of Master or Doctor in any faculty have been or shall be repealed or altered, the Council may nevertheless allow a candidate, who has qualified under the regulations repealed or altered to proceed to that degree, to complete his [or her] qualification under the regulations so repealed or altered, provided that [the candidate] complete his [or her] qualification for admission to the degree under those regulations within three years of the date of such repeal or alteration.

1.4.11 Hepatitis B, HIV and medical and dental students

It is a condition of enrolment in all higher degrees in the Faculties of Medicine and Dentistry involving human experimentation or patient studies, that students abide by the following policy:

- 1 All new students (ie all students who have not previously been students in the Faculties of Medicine or Dentistry) must be screened by the University Health Service to establish their antibody and antigen status in respect of Hepatitis B, or must provide evidence which satisfies the Health Service of such status. The screening must occur within four weeks of enrolment. Screening performed by the Health Service will be at no cost to the student.
- 2 Where a screening test shows that a student does not have appropriate immunity against Hepatitis B, the student must either begin a vaccination program through the Health Service, or must provide evidence which satisfies the Health Service that the student has begun and duly completed such program. Immunisation provided by the Health Service will be at no cost to the student.
- 3 Students may choose to be screened to establish their HIV antibody status, but this is not compulsory.

4 Where a screening test shows that a student has a positive e-antigen status in respect of Hepatitis B, or a positive antibody status in respect of HIV/AIDS, the student must accede to counselling by a member of the medical staff of the Health Service. At all times the student's right to confidential treatment of information about himself or herself will be respected by the Director and staff of the Health Service.

5 The counselling will be directed at informing the student about Hepatitis B or HIV/AIDS as an illness, and having the student accept and acknowledge a duty of care, including the need to learn and use effective, safe, work practices. It will also include reference to current standards and work practices in the medical and dental professions, and their academic and professional implications. As part of the counselling, students will be encouraged to consult with the Dean of their Faculty about these matters. Where appropriate, a student will be referred to an infectious diseases specialist.

6 A student who has a positive e-antigen status in respect of Hepatitis B, or a positive antibody status in respect of HIV, will not be excluded from the course in which they are enrolled.

7 The Occupational Health and Safety HIV/AIDS/Hepatitis B Policy and Procedures (see sub-section 18.4 of the Handbook of Administrative Policies and Procedures) will apply to all students who have a positive e-antigen status in respect of Hepatitis B, or a positive antibody status in respect of HIV/AIDS.

8 The University may revoke the enrolment of any student who does not comply with the screening, immunisation and counselling requirements of this policy.

1.4.12 Hospital, Health Centre and IMVS rules

Rules for the admission of medical students to the practice of the teaching hospitals, health centres and the Institute of Medical and Veterinary Science may be found in the *The University Calendar Volume II: Handbook of Courses* following the Specific Course Rules for the M.B., B.S. degree.

1.4.13 Leave of absence

Please refer to the Specific Course Rules for individual courses for any precise policy statements about leave of absence.

The usual practice with regard to Master degree courses is that a maximum period of candidature is stipulated in the Specific Course Rules with the Faculty* concerned being permitted to change the period of candidature - for details on suspensions, extensions and intermissions of candidature, see also the University of Adelaide's *Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees* and the University of Adelaide's booklet on *Higher Degree Administration*.

*The Faculty in the case of Master degrees by coursework and the Board of Graduate Studies in the case of Master degrees by research

The School of Performing Arts may require students to re-audition if they have been absent from a course - see the Specific Course Rules for details.

1.4.14 Prerequisite and corequisite studies

Except by permission of the relevant Faculty, a student shall not enrol in any subject for which the prerequisite or corequisite requirements prescribed in the syllabus have not been met. Prerequisites must be passed at the minimum level prescribed by the Faculty.

1.4.15 Prior knowledge

What follows is clause 3C of Chapter 25 of the Statutes:

A subject designed for students with no prior knowledge of it need not be made available to students who have such knowledge. A Faculty may refuse to allow a student to enrol in a subject if, after receiving advice from the Head of the department which teaches the subject, it considers that the student's background and qualifications are fully adequate for another subject which is taught in that department and which is available as an alternative.

1.4.16 Quotas

Clause 3 of Statute Chapter 9 - Of Admission and Enrolment states:

With due regard to the resources and educational objectives of the University, the Council may place quotas on courses and subjects.

(Sub-section 12.4 of the Handbook of Administrative Policies and Procedures provides

details of the policy and procedures for administering subject quotas).

1.4.17 Re-enrolment

See 1.4.9 Enrolment by Prescribed Date & Payment of Fees.

For re-enrolment *in subjects*, see also 1.4.18 Repeating a subject.

1.4.18 Repeating a subject

Exemptions

Repeating a subject for the second time - enrolment restriction

No student shall repeat a subject already passed except where:

- (a) a higher classification of pass is necessary to enable the student to satisfy prerequisite subject requirements for a higher level subject
- (b) a student needs to convert a conceded pass to a higher level pass in order to qualify for an award
- (c) Specific Course Rules for an award provide for the repeating of a subject, notwithstanding that it may have been previously passed, or for the possibility of it in respect to special features of the structure or process of the award *or*
- (d) there are sound academic reasons for the Council to permit it.

For rules on such matters as exemptions available or enrolment restrictions, please refer to the Specific Course Rules.

1.4.19 Status/exemption*/credit transfer

A candidate who has passed subjects in other faculties or tertiary institutions or who has other qualifications may, on written application to the Faculty, be granted such status in those subjects or exemption from the relevant course or subject requirements as the Faculty may determine, (provided always that the candidate shall give such evidence of their status as in the opinion of the Faculty shall be sufficient).

Students wanting to apply for prospective status for studies to be undertaken at another institution at a future date should apply to the Faculty.

notes

Specific courses for awards offered by the Faculty of Agricultural and Natural Resource Sciences use a broader definition of status than other Faculties within the University. Refer to the 'definitions' section of the Specific Course Rules for the Faculty.

*See also section 1.4.18 on Repeating a Subject

General Course Rules

14.20 Tuberculosis screening of overseas and Australian students

Under the umbrella of Statute Chapter 32, Infectious diseases, the following policy has been approved:

- 1 All overseas students studying at the University of Adelaide shall attend the University Health Service to have the standard screening tests to TB done to ensure that their TB status is satisfactory and that there is no transmission of infection. The standard screening test will comprise a short history to determine risk factors and a Mantoux test at the Health Service, followed up by a Chest X-ray at the RAH Chest Clinic. Information/results will be exchanged between the Health Service and the Chest Clinic and utilised for reporting, contact tracing and surveillance purposes.
- 2 Overseas students requiring treatment (both active and non-active) will be managed jointly by the Chest Clinic and University Health Service following the standard protocols for treatment developed by the RAH Chest Clinic.
- 3 Australian students and University staff at risk of infection will be screened as in 1. above, and any requiring treatment managed as in 2. above.
- 4 Those persons screened who do not show evidence of infection will be offered vaccination (BCG) by the University Health Service.

14.21 Unacceptable combinations of subjects

No candidate will be permitted to count towards an award any subject, together with any other subject, which, in the opinion of the Faculty concerned, contains a substantial amount of the same material; and no subject or portion of a subject may be counted twice towards an award.

14.22 Withdrawal dates

The last day for withdrawing from subjects *without* the withdrawal counting as a failure is as follows:

- semester 1 subjects:** the end of the ninth teaching week of the semester (excluding the mid-semester break)
- semester 2 subjects:** the end of the ninth teaching week of the semester (excluding the mid-semester break)

full year subjects: the end of the fourth teaching week of second semester

For withdrawal dates for summer semester subjects and for the MBA trimester subjects, please contact Student Administration or the Faculty concerned for details.

14.23 Non-award enrolment

The following is clause 12 of Statute Chapter 25 - Miscellaneous:

‘A person wishing to be admitted to a course of study not leading to a degree may be so admitted, upon such terms and conditions as the Council may prescribe. Such a person shall be known as a Non-award Student’.

1.5 Fees

Chapter 89 of the Statutes - Of Fees, states the following:

- 1 (a) The Council may impose fees in respect of instruction, tuition, applications for awards, or any other matters.
- (b) The Council shall prescribe by rule those matters in respect of which a fee is to be charged, the categories of persons who are to pay them, the amounts to be charged and the time and manner of payment.
- (c) The Registrar may allow in individual cases an extension of time for payment of fees. A student who fails to pay the prescribed fees at the time prescribed by the Council or within such extended time as may have been allowed by the Registrar shall incur such additional fee as may be prescribed by the Council.
- 2 (a) Every student proceeding to a degree, diploma, or certificate of the University and such other students as the Council may from time to time decide shall, unless exempted therefrom by the Council, pay an entrance fee and an annual fee for membership of the Adelaide University Union.
- (b) The Council shall from time to time prescribe the entrance fee and the annual fee. The entrance fee shall be the same for all classes of

students, but the annual fee may differ for different classes of students as determined from time to time by the Council.

(c) The Council may determine whether the entrance fee may be paid by instalments over the first two years of the student's enrolment in the University and whether any individual student or any class of student may be exempted from payment of either the entrance fee or the annual fee or both.

(d) The entrance and annual fees prescribed from time to time by the Council and the conditions under which they may be paid shall be published in the University Calendar.

3 When it deems there are adequate reasons for so doing the Council may:

(i) reduce any fee payable by a student, or

(ii) exempt a student from liability to pay any fee.

4 Subject to Clause 3 of this Statute a student may not re-enrol in the University and not withstanding the provisions of the separate degree, diploma or certificate regulations applicable a candidate shall not be admitted to a degree, diploma or certificate of the University unless all outstanding fees and all other financial obligations due to the University have been discharged or arrangements of their discharge have been approved by the Registrar.

note: *The University Calendar Volume II: Student Guide and Timetables* contains some general information about Statutory fees (commonly called Union fees), tuition fees and other charges. See also the Specific Course Rules for any additional course-specific fees or special items which may need to be purchased.

1.6 Grievance procedures

The Grievance Procedures for postgraduate students are contained in the University's *Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees*.

1.7 Intellectual property

The University's policy on intellectual property is contained in sub-section 10.13 of the Handbook of Administrative Policies and Practices.

The policy is also reproduced in the University of Adelaide's *Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees*.

1.8 Safety Procedures

Under the South Australian Occupational Health, Safety and Welfare Act, 1986, students have a responsibility to work safely, taking reasonable care to protect their own health and safety and that of other students and staff. Specific responsibilities are outlined in the University's Health, Safety and Welfare Policy (Sub-section 18.1 of the Handbook of Administrative Policies and Procedures).

Laboratory conduct procedures

The University's approved laboratory conduct procedures are included as Appendix A to the General Course Rules.

The University also has the following sub-sections under *Research* in the Handbook of Administrative Policies and Procedures:

10.4 Experiments involving Animals

10.14 Ethics of Human Experimentation

1.9 Qualification requirements

Statute Chapter 11 - *Of Degrees* states the following:

1 Subject to Chapter 89* candidates who shall have fulfilled all the conditions prescribed by the statutes and regulations for any degree, diploma, certificate or other award of the University shall be admitted to that degree or awarded that diploma, certificate or other award.

*Statute Chapter 89 - Of Fees

General Course Rules

1.10 Review of academic progress

Postgraduate students should consult the University's *Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees* or the Specific Course Rules for the course they are undertaking.

1.11 Scholarships and prizes

note: Most of the rules for the scholarships and prizes available at the University of Adelaide are described in The University Calendar, Volume I.

1.12 Special circumstances

When in the opinion of the relevant Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Specific Course Rules

Appendix A

Laboratory conduct procedures

These procedures have been developed from information supplied by the South Australian Department for Industrial Affairs and the Standards Association of Australia Standard AS2243, 'Safety in Laboratories'.

The University of Adelaide recognises its obligation to take all reasonable precautions to safeguard the health, safety and welfare of its employees and students while they are at work.

The University of Adelaide also believes that students leaving this University must take with them an attitude which accepts good health and safety practice as normal.

To this end, the following Laboratory Conduct Procedures have been developed and must be adhered to by all who work in laboratories. It is strongly recommended that new students and research workers view the film entitled 'Safety in Laboratories' available from the Occupational Health & Safety Unit.

Persons who fail to comply with these procedures will not be allowed to work in the laboratory.

General safety rules

- Eating, drinking and the application of cosmetics in laboratories is prohibited. (Wine tasting, which occurs as part of the Wine Science and Wine Marketing Courses at Roseworthy Campus is permitted in designated laboratories only.)
- Do not store food and/or drink in laboratory refrigerators or laboratory storage units.
- Do not run or indulge in horseplay.
- Cover all open wounds when handling chemicals and animals.
- Wash hands after work and before leaving the laboratory.
- Use disinfectants after handling suspected infectious materials.
- Do not pipette by mouth, use mechanical pipetting devices.
- Avoid lifting heavy objects - use trolleys where appropriate. Where lifting is unavoidable, seek assistance (share the load).
- Do not use any machines or laboratory apparatus without prior instruction by the supervisor on safe work procedures and practices.
- Button loose clothing and tie back long hair. When using machinery, remove jewellery, rings etc should the possibility exist for such items to be caught in moving parts.

Fire prevention

- No smoking in laboratories.
- No open flames should be left unattended and no open flames should be used near any flammable solvents.
- Chemical waste should not be disposed of via sinks, drains or stormwater channels. Departments must provide suitable waste disposal containers and are responsible for removal by an approved waste disposal contractor.
- Keep fire escape routes clear at all times.
- Be familiar with FIRE PROCEDURES within the laboratory.
- Be familiar with the use of fire-fighting equipment.

Personal protection

- Approved safety spectacles, goggles or safety shields must be worn in all areas where tools or substances such as chemicals, liquids, UV light or radiation may cause eye injury.
- Laboratory coats, or gowns tied at the back, must be worn. Gloves should be worn at the discretion of the supervisor.
- Wear closed-in footwear at all times. Bare feet, thongs and sandals are prohibited.

Housekeeping

- Keep floors tidy and dry.
- Keep benches clean and free from chemicals and apparatus that are not being used.
- Keep aisles free from obstructions.
- Clean working area and equipment thoroughly after use.
- If last to leave the laboratory, make sure equipment is turned off, flames are extinguished etc.
- Keep the interior of fume cupboards and nearby areas clean and clear.
- Observe safety signs at all times.
- All apparatus left running overnight should be shielded and labelled with name and telephone number of person to be contacted, and the Security Office notified.

- If contractors are working in your area, make known to them any hazards which may exist in your area, ie flammable liquids.

Chemicals

- Clearly label all containers in use within the laboratory.
- Always use safety carriers for transporting glass or plastic containers with a capacity of 2 litres or greater.
- Read the Material Safety Data Sheet before commencing work.
- Regard all substances as hazardous unless there is definite information to the contrary.
- Carry out work in fume cupboards if material is likely to give off toxic or unpleasant odours.
- Keep fume cupboard sashes closed whenever practicable.
- Do not place objects near fume cupboard baffles so that airflow is prevented.
- Do not allow flammable materials to accumulate in the laboratory.
- Use the correct containers provided to dispose of glass, sharps, metal, paper, infectious waste etc.
- Wash hands frequently and upon completion of work.

Electrical equipment

- The use of electric open bar radiators or any fan heaters is prohibited.
- Switch off all electrical appliances when equipment is not in use.
- Display a 'LEAVE ON' sign on any equipment required to be left on for an extended period.
- Use Residual Current Devices (RCDs) for all hand held electrical appliances.

Emergency/First Aid

- It is the responsibility of all supervisors to ensure that persons working in a laboratory know the location of:
 - (a) the nearest fire extinguishers
 - (b) first aid box
 - (c) emergency shower/eye wash facilities
 - (d) isolation devices for gas, water and power (where fitted)
 - (e) emergency spill containment equipment and procedures
 - (f) emergency personal protective equipment
 - (g) fire/emergency escape exits

- Wash skin immediately with plenty of water if contaminated with acids and alkalis.

Eyes splashed with any chemical must be washed with water and medical advice obtained immediately.

- All breakages and spills must be reported to the supervisor and dealt with immediately. Materials should be cleaned up and a bin provided for broken glass and materials etc.

After hours working in laboratories

Work outside of core hours 8:00am to 6:00pm, or at weekends, is regarded as after hours.

There is an extra danger in laboratory work after hours, when your supervisor may not be present, and it is particularly dangerous to work alone in a building or even far removed from other people.

Personnel of Departments who wish to work outside normal hours may be required to fill in a form on arrival and again on leaving the building. (Such a system operates in the Biochemistry, P&I Chemistry and Organic Chemistry Departments).

This form requires you to:

- Write your name
- Indicate the room(s) you are working in
- Indicate the times you commence and finish
- Notify the last person in the building that you are leaving

note: Work by undergraduate students can only be performed when supervised by an academic staff member (or nominee) during or outside core hours.

Please note:

For work with recombinant DNA organisms, refer to the University of Adelaide Handbook of Administrative Policies and Procedures, Sub-Section: 10.2 (paragraphs 1-15).

For work with carcinogenic chemicals, refer to the NH&MRC publication, 'Guidelines for laboratory personnel working with carcinogenic or highly toxic chemicals', available from the OH&S Unit.

For work with radioactive substances, refer to rules available from the OH&S Unit.

These procedures shall be read in conjunction with the Department's Health and Safety Manual and Australian Standard 2243, 'Safety in Laboratories', Parts 1 to 10 inclusive.

Appendix B

General Syllabus Information for Graduate Courses

The following information pertains to graduate courses unless otherwise stipulated in the preamble to course syllabus details.

textbooks

Information on appropriate textbooks will be provided by the department concerned, and at preliminary lectures in Orientation Week.

In general, students are expected to have their own copies of textbooks but they are advised to await advice from the lecturer concerned before buying any particular book. Only the prescribed edition of any text-book should be bought.

reference books

Although lists of books and journals for reference purposes are regarded as important, details have not been included in this Volume. These will however be issued from time to time by the departments concerned. It is hoped that all books and journals set for reference will be available to be consulted in the Barr Smith Library and/or the Waite Campus or Roseworthy Campus Libraries.

examinations

For each subject students may obtain from the department concerned details of the assessment in that subject including the relative weights given to the components (eg such of the following as are relevant: assignments, semester tests, essays or other written or practical work, final written examinations, *viva voce* examinations).

contact hours

Although information on contact hours is often listed under the subject entries for the various courses, they are subject to change. Detailed information will be available to students at the commencement of lectures.

Appendix C

Conduct at the University of Adelaide

The University believes that although an education institution is necessarily challenging and competitive, a comfortable, supportive and tolerant atmosphere is vital.

Thus the University of Adelaide expects:

- All students and staff of the University to treat each other with respect
- All students and staff of the University to treat the University environment and property with care
- All students and staff of the University to become familiar with and to follow all University policies and practices that are relevant to their field of study or work
- All students and staff of the University to observe their colleagues' right to work and study in an environment free from harassment in the form of intimidation, threat and humiliation.

The University recognises that academics have a duty of care to their students. Academics have an obligation to diligently teach and assess students. Academic and general staff are expected to respond to the diversity of students' needs and to pay due attention to student feedback.

Actions which take the form of harassment or assault or which are coercive, including those which are justified on the basis of being an initiation into, or punishment within, a group, club or residential college, are unacceptable.

The University expects staff, students and affiliate bodies to take reasonable steps to ensure that discrimination and harassment does not take place.

Who is covered by this statement?

All members of the University, academic staff, general staff, students (award, non-award and Continuing Education), contractors and visitors are expected to observe the standards described in this document.

What is the statement for?

Its purpose is to establish and communicate the standards of behaviour expected at this university. Information about specific policies on unlawful behaviour can be obtained from the Equal Opportunity Office.

Other policies on matters such as disabled access, appropriate language and discrimination can be found in the Student Information Guide (for students), in the

Handbook of Administrative Policies and Procedures, and the University of Adelaide website (for staff).

This document exists separately to University policies, as it is a general statement of what the University recognises as appropriate behaviour.

What if the guidelines are ignored?

If you believe that you have suffered as a result of someone behaving outside these stated expectations, contact the offices listed below to discuss the best way to deal with the issue. There are processes for dealing with general misconduct. The people below can advise on the specific application of these procedures in an individual case.

Contact Details

For further information about the issues raised in this guide please contact:

For advocacy and advice for students

Education Welfare Officers, Adelaide University Union

Chris Gent - 8303 5430

Karen Walker - 8303 600

Victoria McCoy - 8303 5915

Students' Association of the University of Adelaide

Association office - 8303 5406

For issues associated with behaviour in colleges

Residential Colleges

Rector, Aquinas College - 8334 5000

Master, Kathleen Lumley College - 8267 3270

Principal, Lincoln College - 8290 6000

Academic Director,
Mattanya Housing Association - 8267 1013

Principal, St Ann's College - 8239 8600

Master, St Mark's College - 8334 5600

For advice for staff

Human Resources

Kathie Hurst (HR Manager) - 8303 4520

Lee Jones (HR Manager) - 8303 4643

Equal Opportunity Office

The Director - 8303 5962

Faculty of Agricultural and Natural Resource Sciences

Website: <http://www.waite.adelaide.edu.au>

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Postgraduate awards in the Faculty of Agricultural and Natural Resource Sciences

Graduate Certificate

Graduate Diploma

Postgraduate Diploma

Master

each of which shall be defined by one of the following fields of study:

Agricultural Biotechnology

Agricultural Business

Agronomy and Farming Systems

Animal Production

Crop Protection

Food Safety and Veterinary Public Health

Horticulture

Natural Resources Management

Oenology

Plant Science

Rangeland Management

Soil Management and Conservation

Spatial Information Science

Veterinary Studies

Viticulture

Wine Business

Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General Course Rules to the Convenor of the Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific Course Rules to the Executive Deans of Faculties.
- 3 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty. The Head of department or centre may approve minor changes to any previously approved syllabus.

Postgraduate Courses by Research

Master of Agricultural Science

Master of Applied Science

Postgraduate Courses by Coursework

Graduate Certificate

Graduate Diploma

Postgraduate Diploma

Master

The above awards have been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for a Graduate Certificate shall have qualified for a degree of the University in an approved field of study, or a degree of another institution accepted for the purpose by the Faculty.
- 1.2 An applicant for admission to the course of study for a Graduate Diploma shall
- (a) have qualified for a Graduate Certificate of the University in an approved field of study, or an equivalent award of another institution accepted for the purpose by the Faculty *or*
 - (b) have qualified for a degree or a three year diploma of the University or an equivalent award of another institution accepted for the purpose by the Faculty.
- 1.3 An applicant for admission to the course of study for a Postgraduate Diploma shall
- (a) have qualified for a Graduate Certificate of the University in an approved field of study or an equivalent award of another institution accepted for the purpose by the Faculty *or*
 - (b) have qualified for a degree or a three year diploma of the University in an approved field of study, or for an equivalent award of another institution accepted for the purpose by the Faculty.
- 1.4 An applicant for admission to the course of study for a Master's degree by coursework shall
- (a) have qualified for the Bachelor of Agricultural Science (Honours) or the Bachelor of Applied Science (Honours) of the University *or*
 - (b) have qualified for a degree or other award of the University in an approved field of study or an award of another institution accepted by the Faculty as being equivalent to the Honours degree. Such an award may be a postgraduate Diploma with a significant research component in the field of study of the proposed research *or*
 - (c) have qualified for a Bachelor's degree of the University in an approved field of study or an equivalent award of another institution accepted for the purpose by the Faculty, and
 - (i) have completed at a satisfactory standard (normally credit average) subjects to the value of 12 points from the Graduate subject pool in the same field of study *or*
 - (ii) have other relevant practical experience approved by the Faculty.
- 1.5 An applicant for admission to the Master of Agricultural Science or the Master of Applied Science shall:

- (a) have qualified for an Honours degree offered by the Faculty or its equivalent in an institution accepted for the purpose by the Faculty *or*
- (b) have qualified for a Postgraduate Diploma of the University which contained a significant research component in the field of study of the proposed Master's research or an equivalent award in an institution accepted for the purpose by the Faculty *or*
- (c) have qualified for a Bachelor's degree of the University in an approved field of study or an equivalent award in an institution accepted for the purpose by the Faculty and have relevant professional experience.

1.6 Applicants deemed to have a deficiency in some part of their preparation for candidature may be required to complete such other work as may be prescribed during the first year of their candidature.

1.7 Under the authority delegated to it by Council, the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate, the Graduate Diploma or the Postgraduate Diploma a person who does not satisfy the requirements of 1.1, 1.2 or 1.3 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate, the Graduate Diploma or the Postgraduate Diploma.

1.8 With the approval of the Board of Graduate Studies, the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Master's degree a person who does not satisfy the requirements of 1.4 or 1.5 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the Master's degree.

2 Qualification requirements

2.1 To qualify for the Graduate Certificate a candidate shall present subjects to the value of 12 points (which may not include 6043 Research Proposal or a Research Project) from the Graduate Subject Pool.

A candidate who has been enrolled for the coursework Master's degree, the Postgraduate Diploma or the Graduate Diploma and who as such a candidate has completed the work prescribed for a Graduate Certificate and who

has not been awarded the Master's degree, the Postgraduate Diploma or the Graduate Diploma shall, on written application to the Faculty Registrar, be awarded the appropriate Graduate Certificate, subject to the student discontinuing candidature for the higher award.

2.2 To qualify for the Graduate Diploma a candidate shall present subjects to the value of 24 points, no fewer than half of which are from the Graduate Subject Pool and which may not include 6043 Research Proposal or a Research Project.

A candidate holding a Graduate Certificate of the University who has counted or presented the subjects in the Graduate Certificate towards the requirements of the Graduate Diploma shall surrender the Graduate Certificate before being admitted to the Graduate Diploma.

A candidate who has been enrolled for the coursework Master's degree or the Postgraduate Diploma and who as such a candidate has not been awarded the Master's degree or the Postgraduate Diploma shall, on written application to the Faculty Registrar, be permitted to transfer to the appropriate Graduate Diploma, subject to the student discontinuing candidature for the award of Master's degree or Postgraduate Diploma.

2.3 To qualify for the Postgraduate Diploma a candidate shall present subjects to the value of 24 points, including, if required, 6043 Research Proposal, 6495 Research Methodology or 7046 Research Methodology and Experimentation; a minimum of six and a maximum of nine points deriving from research; and the balance from the Graduate Subject Pool.

A candidate holding a Graduate Certificate of the University who has counted or presented the subjects in the Graduate Certificate towards the requirements of the Postgraduate Diploma shall surrender the Graduate Certificate before being admitted to the Postgraduate Diploma.

A candidate who has been enrolled for the coursework Master's degree and who as such a candidate has completed the work prescribed for the Postgraduate Diploma and who has not been awarded the Master's degree shall, on written application to the Faculty Registrar, be awarded the appropriate Postgraduate Diploma, subject to the student discontinuing candidature for the higher award.

2.4 To qualify for the Master's degree by coursework a candidate shall present subjects to the value of 36 points, including, if required,

6043 Research Proposal, 6495 Research Methodology or 7046 Research Methodology and Experimentation; a minimum of twelve and a maximum of twenty one points deriving from research; and the balance from the Graduate Subject Pool.

Except with the permission of the Faculty, the Master's degree program, if taken full-time, will normally be completed in eighteen months, depending on the nature of the project activity, and over not less than two and not more than five years if taken part-time.

A candidate holding a Graduate Certificate or a Postgraduate Diploma of the University who has presented the subjects in the Certificate or Diploma towards the requirements of the Master's degree by coursework shall surrender the Graduate Certificate or Postgraduate Diploma before being admitted to the Master's degree.

- 2.5** To qualify for the Master's degree by research a candidate must submit a satisfactory thesis on a subject approved by the Faculty and shall adduce evidence acceptable to the Faculty that the thesis is the candidate's own work. The thesis shall give the results of original research on which the candidate has been engaged.

Except on the recommendation of the Faculty and with the approval of the Board of Graduate Studies, the work for the degree shall be completed and the thesis submitted in not less than one year and not more than three years from the date of commencement of the candidature in the case of a full-time candidate or not less than two years and not more than six years from the date of commencement of the candidature in the case of a part-time or external candidate.

note: A candidate who holds an Honours degree of the University of Adelaide approved for this purpose or its equivalent in a university recognised by the University of Adelaide may proceed to the degree of Master of Agricultural Science or Master of Applied Science at the expiration of one year from the date of the candidate's admission to the Honours degree of Bachelor; no other candidate may proceed to the degree before the expiration of two years from the date of the beginning of the candidature.

3 Graduate Subject Pool

- 3.1** There shall be a Graduate Subject Pool which will include graduate level subjects, approved supplemented level III subjects (either of which may include intensive workshops) and research projects.

- 3.2** The selection of subjects and activities will be made by students in consultation with and with the approval of Postgraduate Coursework Advisers or supervisors. Such selected components

- (a) shall form part of the formal coursework requirements *or*
- (b) may form a preparatory portion of the research degrees.

- 3.3** The following subjects shall comprise the Graduate Subject Pool:

4063 Accounting for Agricultural Business	3
4091 Advanced Biometry S	3
9086 Advances in Oenology S	3
1086 Advanced Recombinant DNA Techniques	1.5
8138 Advanced Plant Breeding S	3
8424 Advertising and Promotion S	3
9515 Agribusiness in the Australian Economy	3
1190 Agricultural and Rural Development	3
1042 Agricultural Biotechnology S	3
4953 Agricultural Business Finance G	3
9002 Agricultural Business Management	3
8597 Agricultural Engineering	4
4843 Agricultural Marketing Principles and Strategies	3
1341 Agroforestry S	3
7824 Animal Breeding Technologies S	3
9477 Animal Biotechnologies S	3
9259 Animal Welfare	3
4497 Applied Genetics S	3
9321 Applied Market Research S	3
3285 Biological Control S	3
5088 Biology and Diversity of Insects S	3
3362 Breeding and Genetics of Animals	1.5
1927 Business Management for Viticulture and Oenology S	3
5370 Cellar Management S	1.5
7518 Communications and Agricultural Extension	4
6957 Communications in Veterinary Public Health	3
3741 Conservation Biology S	3

Agricultural and Natural Resource Sciences — Postgraduate Courses

4726 Crop Physiology III S	3	8632 Integrated Spatial Information Systems S	3
6363 Crops and Pastures G	4	2729 Intensive Livestock A	3
5264 Current Topics in Animal Diseases	3	7912 International Business Environment S	3
8225 Diseases and Nutrition of Livestock S	3	8629 International Finance S	3
6864 Distillation and Fortified Winemaking S	1.5	7968 Introductory Winemaking S	3
1581 Dryland Farming Systems	4	2820 Issues in Wine Business S	3
1507 Ecological Biochemistry S	3	5078 Laboratory Animal Science I	3
4488 Ecological Modelling S	3	6454 Laboratory Animal Science II	3
3089 Ecology and Management of Freshwater Systems S	3	6949 Legal Issues in Agricultural Agricultural Marketing S	3
6139 Ecology and Management of Rangelands S	3	1788 Managing Agricultural Development	3
7376 Economics for Agricultural Business	3	8841 Meat Inspection	3
2763 Economics of Resource Management S	3	8656 Meat Plant Management and Administration	3
1756 Economics of Soil Conservation	1.5	9110 Mineral Nutrition of Plants S	3
7816 Environmental Chemistry S	3	9238 Molecular Activity of Plant Cells S	3
5293 Environmental Systems	4	7687 Molecular Genetics of Plants IIIS	3
1984 Environmental Toxicology S	3	9503 Molecular Markers in Plant Breeding	1.5
7682 Ethical Issues in Agricultural Business S	3	6627 Molecular Tools for Diagnosis of Plant Pathogens	1.5
9359 Expert Systems for Environmental Management S	3	5297 Natural Resources Management	4
6632 Extensive Livestock A	3	8130 Natural Resources Methodology	4
4423 Farm Management A S	3	5867 Ornamental Horticulture S	3
6333 Farm Management B S	3	3569 Pathogen - Plant Interactions S	3
5325 Fauna Management S	3	8114 Physiology of Farm Animals S	3
7194 Fruit and Nut Crops S	3	9028 Plant Disease and the Environment S	3
5715 Fungal Biology S	3	2724 Plant Nutrition for Productive Systems	1.5
5698 Genetic Technologies for Plant Improvement S	3	3010 Plant Tissue Culture and Transformation	1.5
8583 GIS for Environmental Management S	3	9105 Problems in Agricultural Business A	3
2746 Grape Industry Practice, Policy and Communication S	1.5	9281 Problems in Agricultural Business B	3
4600 Horticultural Production S	3	5932 Quality Assurance in the Meat Industry	3
4539 Horticultural Science S	3	4837 Quantitative Methods in Agricultural Business	3
8632 Indigenous Australians and Environmental Management S	3	4311 Remote Sensing and Land Capability Assessment S	3
7032 Industry Experience (Oenology) S	3	1986 Reproductive and Postharvest Horticulture S	3
8962 Insect Behaviour S	3	6495 Research Methodology	4
9444 Integrated Pest Management S	3		

Agricultural and Natural Resource Sciences — Postgraduate Courses

7046	Research Methodology and Experimentation	3	2195	Viticultural Production B S	3
6946	Research Methodology and Methods	3	7104	Viticultural Science S	3
6043	Research Proposal	3	7114	Wine Business Management	3
8422	Retail Selling and Practice S	3	6319	Wine and Society	3
1058	Rural Sociology	4	9701	Wine Packaging and Quality Management S	3
2665	Seminars: Agricultural and Natural Resource Sciences	1	1005	Winemaking S	3
2491	Sensory Evaluation of Agricultural Products S	3	5059	Winery Engineering III S	3
6694	Sensory Science S	3	Research projects		
7764	Sensory Science V S	1.5	4205	Project A (ANR)	3
2793	Social Psychology	4	7215	Project A (ANR)(Mid-year)	3
9000	Soil Classification	1.5	5215	Project A (ANR) (One Semester)	3
3065	Soil Conservation G	4	7949	Project B (ANR)	4
2282	Soil Ecology S	3	6095	Project B (ANR)(Mid-year)	4
5026	Soil Fertility S	3	9502	Project B (ANR) (One Semester)	4
4366	Soil Management and Conservation S	3	1717	Project C (ANR)	6
8898	Soil Water Management S	3	3653	Project C (ANR)(Mid-year)	6
7672	Soil Survey	1.5	3004	Project C (ANR) (One Semester)	6
8588	Spatial Information Systems	1.5	1320	Project D (ANR)	8
4477	Stabilisation and Clarification S	3	8676	Project D (ANR)(Mid-year)	8
9022	Strategic Business Management S	3	4621	Project D (ANR)(One Semester)	8
5684	Table and Drying Grape Production S	1.5	2211	Project E (ANR)	9
8381	The Global Market for Wine	3	2018	Project E (ANR)(Mid-year)	9
8409	Topics in Agricultural Business A	3	3522	Project E (ANR)(One Semester)	9
6492	Topics in Agricultural Business B	3	2854	Project F (ANR)	12
4945	Topics in Animal Science	3	8492	Project F (ANR)(Mid-year)	12
6107	Topics in Animal Science A	3	7382	Project F (ANR)(One Semester)	12
6826	Topics in Crop Protection	3	7188	Project G (ANR)	21
2379	Topics in Soil Science	3	3661	Project G (ANR)(Mid-year)	21
9822	Topics in Soil Science A	3	8200	Natural Resources Project I	4
9508	Topics in Soil Science B	3	6846	Natural Resources Project II	12
5225	Vegetable Crops S	3	3.4 Candidates may include, within those subjects presented to qualify for a coursework award, graduate level subjects from outside the Graduate Subject Pool subject to the approval of the Postgraduate Coursework Adviser and the Postgraduate Studies Committee.		
5180	Vineyard and Winery Operations I S	3	4 Status, exemption and credit transfer		
9607	Vineyard and Winery Operations II S	3	4.1 No candidate will be permitted to count for an award any subject, project work, dissertation or research thesis which, in the opinion of the Faculty, contains substantially the same material		
3008	Vertebrate Pest Control S	3			
9630	Viticultural Engineering and Operations S	3			
7536	Viticultural Production A S	3			

as any other subject, project work, dissertation or research thesis which the candidate has already presented for another qualification.

- 4.2 A candidate who desires that work completed should be counted towards the requirements of these Specific Course Rules may, on written application to the Faculty Registrar (in the case of the Graduate Certificate, the Graduate Diploma or the Postgraduate Diploma) or the Registrar, Graduate Studies Branch (in the case of the Master's degree by coursework or the Master's degree by research), be granted such exemption from the requirements as the Faculty or the Board of Graduate Studies on the advice of the Faculty shall determine.

5 Program approval

- 5.1 Every candidate for the Graduate Certificate or the Graduate Diploma in consultation with the Postgraduate Coursework Adviser shall prepare a program of subjects and activities to be submitted for the approval of the Postgraduate Coursework Adviser.
- 5.2 Every candidate for the Postgraduate Diploma or the Master's degree by coursework in consultation with the Postgraduate Coursework Adviser shall prepare a program of coursework and project work to be submitted for the approval of the Postgraduate Coursework Adviser. The project work shall be under the direction of a supervisor or supervisors who shall normally be members of the academic staff of the University, but an external supervisor may also be appointed.
- 5.3 Every candidate for the Master of Agricultural Science or the Master of Applied Science shall
- (a) prior to enrolment indicate in general terms the subject of the research work on which the candidate proposes to submit a thesis
 - (b) provide certification from the Head of Department of the intended supervisor that:
 - (i) the applicant has shown evidence of ability to undertake work for the Master's degree
 - (ii) the proposed research project is appropriate
 - (iii) there are available members of staff qualified and able to provide supervision of the proposed candidacy throughout its likely duration *and*

- (iv) suitable resources and facilities are available (either in the University or, by arrangement acceptable to the Faculty, elsewhere) for the proposed research to be undertaken.

- (c) complete a structured program of activities within the first twelve months from the commencement of candidature.

Continuation of the candidate's enrolment is conditional upon the completion of the activities to the satisfaction of the department.

If the applicant is accepted as a candidate for the degree concerned the Faculty shall appoint at least two supervisors to guide the candidate in the candidate's work.

- 5.4
- (a) Except by permission of the Faculty, the whole of the work for the Master's degree must be completed within the University.
 - (b) Subject to such conditions as it may determine in each case, the Faculty may permit project or research work to be undertaken outside the University provided that it can be satisfied that
 - (i) this will result in academic benefit to the candidate
 - (ii) there will be adequate contact and interaction between the candidate and the candidate's internal supervisor/s
 - (iii) the supervisor's access to any experimental work, the candidate's availability for seminars and other discussions, and the publication of results will not thereby be prejudiced.

6 Assessment and examinations Coursework Awards

- 6.1 There shall be four classifications of pass in each subject in the Graduate Subject Pool: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass.
- 6.2 A candidate who fails in a subject and desires to take the subject again shall attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Head of Department for such exemption.

6.3 A candidate who has twice failed in any subject may not enrol for that subject again except by special permission of the Faculty and then only under such conditions as may be prescribed.

6.4 A candidate shall not be eligible for examination in a subject unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible for examination shall be deemed to have failed the examination.

6.5 For the purpose of this Specific Course Rule a candidate who fails, without a reason accepted by the Dean of the Faculty (or nominee), to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least nine teaching weeks of that semester, shall be deemed to have failed the examination.

6.6 On completion of the work for the Postgraduate Diploma or the coursework Master's degree the candidate shall inform the Postgraduate Coursework Adviser concerned and lodge with the Postgraduate Coursework Adviser three copies of the dissertation prepared in accordance with directions given to candidates from time to time.

6.7 On the submission or re-submission of the dissertation the Faculty shall nominate examiners who shall normally be members of the academic staff of the University, but an external examiner may be appointed. The examiners may recommend that the dissertation

- (a) be accepted subject to such amendments as the examiners may have suggested *or*
- (b) be accepted subject to satisfactory oral examination *or*
- (c) be not accepted but sent back to the candidate for revision and re-submission *or*
- (d) be rejected.

The examiners of a dissertation re-submitted following recommendation (c) above may recommend only (a), (b) or (d) above.

Having considered the reports of the examiners the Faculty shall determine whether the dissertation is satisfactory.

Research Awards

6.8 On completion of the work for a research Master's degree the candidate shall inform the Head of Department concerned and lodge with the Registrar, Graduate Studies Branch, three

copies of the thesis prepared in accordance with directions given to candidates from time to time.

6.9 On the submission or re-submission of the thesis the Faculty shall appoint two examiners, at least one of whom shall be external to the University, to report on the thesis and any supporting papers which the candidate may submit.

The examiners may recommend that the candidate

- (a) be awarded the degree *or*
- (b) be awarded the degree but that minor amendments be made *or*
- (c) be awarded the degree subject to the specified amendments being made to the thesis *or*
- (d) be not awarded the degree but be permitted to re-submit the thesis in revised form *or*
- (e) not be awarded the degree.

The examiners of a thesis re-submitted following recommendation (d) may recommend only (a), (b) (c) or (e) above.

Having considered the reports of the examiners the Faculty shall determine whether the thesis is satisfactory.

7 Review of academic progress

7.1 The progress of each candidate in the Certificate, Diploma and coursework Master's program shall be reviewed by the Faculty each academic year.

7.2 The progress of each candidate in the research Master's programs shall be reviewed annually and satisfactory progress shall be a condition of re-enrolment. Should the candidate's work be unsatisfactory further review and action shall be taken in accordance with University policies and procedures.

8 General

8.1 A candidate who complies with the foregoing conditions shall, on the recommendation of the Faculty, be admitted to the certificate, diploma or degree concerned.

Syllabuses

notes

- 1 The complete list of subjects in the Graduate Subject Pool is set out in Specific Course Rule 3. Included in the list are supplemented Level III subjects: that is Level III subjects with supplementary requirements; these subjects are distinguished by an 'S' in the title. Syllabus entries have not been included for these subjects. Please refer to the corresponding Level III entry (see index). Additional information will be provided at the first lecture session.
- 2 Not all subjects listed in the Graduate Subject Pool will be available each year. While every effort has been made to offer accurate information on duration, staffing considerations may necessitate alterations. Information as to which subjects will be offered in a given year will be available from the departments

4063 Accounting for Agricultural Business

3 points semester 2

Internal mode

3 hour seminar each week

The subject covers all aspects of Accounting, ie Financial, Management and Cost. It provides an introduction to the nature, purpose, ethics, and legal aspects of accounting as an information specialisation, with particular emphasis on agricultural businesses. It will also enable students to distinguish, classify and analyse different agricultural costs and cost structures in farm and off-farm businesses. The integrated use of computerised systems and legal principles will be used to cover aspects of decision-making in relation to such factors as pricing, investment, break-even and risk.

assessment: written, practical assignments 50%, written 3 hour exam 50%

1822 Advanced Agronomy

6 points full year

Agronomy requires specialist knowledge and skills to be able to integrate biophysical and financial parameters in the practical management of farming systems. This subject concentrates on the understanding and development of complex interactions which occur in agronomic systems. Further, the subject exposes the student to cutting edge research, technology and understanding which is not yet in the text books. Students will engage in focussed studies of climate, soil, nutrient, weed disease interrelations with plant growth and the impacts of management such as tillage, rotation and farming to land type. The subject is undertaken with consideration of management decision making and information technology in agronomy.

assessment: literature reviews and associated assignments

1086 Advanced Recombinant DNA Techniques

1.5 points one week in semester 2

40 hours

assumed knowledge: 9503 Molecular Markers in Plant Breeding; or equivalent background knowledge of recombinant DNA methods

This subject builds on the basic recombinant DNA methodologies taught in 9503 Molecular Markers in Plant Breeding. The following techniques will be taught: cloning in lambda vectors; construction of DNA library; screening lambda libraries; lambda DNA isolation; DNA sequencing; computer assisted sequence analysis. Lecturers will describe various cloning techniques, methods of clone analysis and application of molecular genetics. The emphasis will be on plant molecular genetics.

assessment: work book assessment

9515 Agribusiness in the Australian Economy

3 points semester 2

3 hours lectures/seminars/tutorials a week

This subject focuses on current issues relating to the food and fibre business in Australia. It examines business strategy aspects relevant to production and marketing of food and fibre products, together with related activities of government. Of particular importance are interrelationships between agribusiness firms and the macro environment. Topics will include production and consumption decisions in the firm and household, agribusiness management, the labour market and the agri-food market. These and other topics are examined within the context of organisational and structural changes within the farm and off-farm sectors. Also covered are the implications of the natural environment for farm and off-farm agribusiness decision making.

assessment: exam, assignments and presentations

9002 Agricultural Business Management

3 points semester 1, multi-modal

3 hour seminar each week

The aim of this subject is to provide perspective and understanding of the overall management role, and to

demonstrate linkages between various management functions. Aspects covered include business and society, business management, organisational design, entrepreneurship, human resources management, production management, marketing management, accounting management, financial management, information management, business and social ethics, and careers in agricultural business.

assessment: assignments, seminar presentations

8597 Agricultural Engineering

4 points full year
3 hours per week

The subject consists of a project, negotiated between the student and the Department of Agronomy and Farming Systems, and assignment and tutorial work as directed by the Department.

Each component is complementary in that the assignment and tutorial work is directed toward the theoretical and analytic basis of the topic in which the project has been selected.

assessment: written reports

4843 Agricultural Marketing Principles and Strategies

3 points semester 1
3 hours per week

The aim of this subject is to give students an understanding of agricultural marketing principles through an introduction to the basic concepts and practices in marketing. Topics covered include the marketing environment, analysing marketing opportunities, organising for marketing, product and price decisions, channel decision, and communication and promotion decisions.

assessment: exam 50%, assignments 50%

4783 Agroforestry Research Principles

3 points semester 1 or 2

Agroforestry is a relatively new discipline which is developing its own set of principles, techniques and institutions. This is due to the extended temporal and spatial dimensions of agroforestry systems which complicate the experimental design and statistical analysis of agroforestry research; and the wide range of socioeconomic contexts within which the research is based. The subject examines case studies of agroforestry research across a wide range of systems hierarchy (i.e. physiological to landscape levels) in both developing and developed countries. This will also introduce the biophysical and economic modelling

of agroforestry systems and Australian and international agroforestry research institutions.

assessment: literature reviews, associated assignments

1341 Agroforestry S

3 points semester 1

See 1536 Agroforestry III for content details

assessment: as for 1536, but with extra written work

9259 Animal Welfare

3 points semester 1
78 hours

The aim of this subject is to provide the necessary knowledge and understanding of the scientific and ethical bases of animal welfare and to be able to review objectively the current animal welfare problems in society. It does not seek to change people's minds, but to ensure that they have, or can find, the relevant information and have the required skills of analysis and integration. The subject addresses animal welfare issues covering a range of disciplines, including biology, veterinary science, medicine, agriculture, philosophy, economics and sociology. It does not include practical animal handling.

The subject will comprise lectures, tutorials and field trips. The two major components, science and ethics are intermingled. In general, the subject develops progressively from simple to complex ethical questions relating to animal welfare.

assessment: written assignments, reports 60%, written 2 hour exam 40%

7518 Communications and Agricultural Extension

4 points full year
External, odd years only
3 hours per week

Theory and models of communication. Language, meaning, culture, written and oral communications. Report writing. Readability. Style in writing. Application of learning and communications theories to the presentation of information. Role of different extension techniques in the education process. Credibility, empathy and rapport. Communications for various audiences. The scope, purpose, structure and organisation of the agricultural extension services in the different states of Australia. Comparison of the history and underlying philosophy of agricultural extension services in Australia with those of other countries. Organisations and agencies (government

and non-government) with a role in agricultural extension. The audience for agricultural extension. Agricultural extension in developing countries. Legal liability in extension. Group process and leadership. The preparation of press articles, tape recordings, videotape programs and microteaching presentations are included in practical exercises.

assessment: assignments

6957 Communications in Veterinary Public Health

3 points not offered in 2000

This subject covers a wide range of communication topics including effective communication skills in the workplace, government standards for workplace communication, training requirements for staff, managing operations and client relationships, customer service, team leadership and supervision, working in a team and negotiation skills. Students will also develop competence in computer operations, software and keyboard skills.

assessment: to be advised

6363 Crops and Pastures G

4 points full year

External - odd years only

3 hours per week

assumed knowledge: degree in Agriculture

An advanced subject providing a detailed knowledge of recent technological developments in the production of crops and pastures in southern Australia with particular reference to dryland farming and promoting the ability to conduct field experiments and interpret the results of agronomic research.

The syllabus includes the technology of cereal, grain legume and oilseed crop production, with particular emphasis on the effects of crop rotations, tillage systems and fertiliser usage on crop production; the selection and evaluation of herbage plants in relation to physical and biological factors in the environment; methods of pasture establishment, management, conservation and utilisation; recent advances in the control and management of weeds, pests and diseases of crops and pastures.

assessment: to be advised

5264 Current Topics in Animal Diseases

3 points semester 1

2 lectures, 4 hours tutorials/practicals per week

prerequisites: degree in Biological Science

restrictions: 8225 Animal Diseases and Control S

The course will consist of lectures, tutorials and practical classes covering symptoms, causes and effects of production limiting diseases of livestock in Mediterranean and arid zone climates. The primary focus will be diseases of sheep and cattle, pigs and poultry but other grazing species may be covered if there is a demand. Exotic animal diseases of concern to Australian agriculture will also be covered.

assessment: seminar 10%, assignment 20%, tutorial/practical participation 20%, examination 50%

6207 Development of New Crops and Markets

6 points full year

Sustainable economic development demands that national and regional agricultural systems have the capacity to diversify. This requires individuals with a multi-disciplinary understanding of the whole process to develop new crops and markets as well as those with specific knowledge of various points along that process. This subject begins with a survey of potential new crops and commodities and then an examination of historical and current case studies of the process of seeking and evaluating new genetic material, developing production systems, developing industry infrastructure, seeking and developing commodity markets and commodity security. Students will also engage in focused projects on specific stages on the commodity development or production process, e.g. seed and propagule technology; post harvest handling, processing and quality control of field crops; and the role of biotechnology in new crop development.

assessment: literature reviews, associated assignments

1581 Dryland Farming Systems

4 points full year

Internal each year, external even years only

2 lectures/tutorials per week extending to half-day sessions at monthly intervals for seminars; field exercises

assumed knowledge: 1028 Principles of Sustainable Agriculture or equivalent

The use of a systems approach, within an ecological framework, for the study of dryland farming. The characteristics and operation of various types of dryland farming systems with emphasis on the Australian cereal belt. The principles underlying the integration of crops, pastures and livestock in dryland farming systems. Methods of defining the conditions and practices under which high productivity may be sustained in the major

systems of the Australian cereal belt. Methods of evaluating a particular dryland farming system in order to define major limiting factors, interactions and regulating processes, and to suggest ways of improving productivity and sustainability.

assessment: to be advised

7376 Economics for Agricultural Business

3 points semester 1

Internal mode only

3 hour seminar each week

This subject provides an introduction to the essential elements of microeconomics, with emphasis on demonstrating how the understanding of microeconomic principles can lead to better analysis of agricultural management and marketing, and government microeconomic policies. Broadly, the subject covers how production and consumption decisions of individual economic units are made and coordinated. Specific topics include: fundamentals of supply and demand analysis, production economics, analysis of short and long-run cost of production, market structures, pricing policies and methods, market failure, welfare and public policy issues, and the markets for factors of production.

assessment: written assignments 50%, written 3 hour exam 50%

6632 Extensive Livestock A

3 points semester 1 or 2

External mode only

assumed knowledge: 1022 Beef, Sheep and Goat Production IA (or equivalent)

This subject presents recent developments in animal science and husbandry relevant to extensive animal production. It examines industry organisation, physiology, breeding, health and nutrition. A degree of specialisation will be allowed in sheep, beef cattle or goat production.

2729 Intensive Livestock A

3 points semester 1 or 2

External mode only

This subject develops or extends the student's knowledge of the application of the principles and practices of intensive livestock production. The program will involve an examination of the following topics: accommodation of livestock; nutrition; animal behaviour; reproduction and animal breeding; animal health; animal welfare; industry structure and economics of production; marketing; product evaluation; by-product utilisation; alternative forms of meat production.

assessment: exam 50%, assignments 50%

7912 International Business Environment S

3 points semester 2

3 hours seminars/lectures per week

assumed knowledge: 4843 Agricultural Marketing Principles and Strategies; 9002 Agricultural Business Management; Economics for Agricultural Business or equivalent.

This capstone subject is designed to provide an overview of the international trade and financial environment within which business must function with particular emphasis on the broader Asian region, including the Middle East. It considers comparative advantage and the basis for international trade; factor movement across national boundaries, trade policies such as tariffs, quotas, VERs, administrative regulations, dumping, export subsidies and international commodity agreements; international and regional commercial policies; exchange rate determination; the balance of payments and its adjustment under alternative exchange rate regimes; exchange control; the international currency system; and exchange rate policies.

assessment: exam 50%, assignments 50%

5078 Laboratory Animal Science I

3 points not offered in 2000

2 lectures, 4 hours of tutorials per week

prerequisites: degree in Biological Science

Basic biology of laboratory animals, including taxonomy, anatomy, physiology, nutrition, behaviour. Husbandry and production of laboratory animals, including housing, reproduction, genetic monitoring and animal handling. Legal, ethical and welfare considerations relating to laboratory animal management, including state, national and

international regulations and practices; the principles of reduction, replacement and refinement; the Australian Code of Practice.

assessment: seminar presentation 10%, written project 20%, tutorial/workshop participation 20%, written exam 50%

6454 Laboratory Animal Science II

3 points not offered in 2000

2 lectures, 4 hours tutorials per week

prerequisites: 5078 Laboratory Animal Science I

assumed knowledge: degree in biological science

Diseases of laboratory animals, diagnosis, treatment and prevention of diseases, health monitoring. Management, organisation and design of animal facilities, staff management, financial control, design and operation of barrier facilities, containment of microbiological or toxic hazards. Use of laboratory animals in research, models of disease, toxicology studies, surgical models. Transgenic animals and their use, occupational health and safety issues. Statistics and data handling.

assessment: seminar presentation 10%, written project 20%, tutorial/workshop participation 20%, exam 50%

1788 Managing Agricultural Development

3 points semester 1

3 hour seminar per week

assumed knowledge: degree in Agriculture or equivalent

The subject aims to provide students with an analytical and structural framework for management of agricultural development in developing countries. It deals with functions, structures and organisation in managing agricultural development. Various types of management, for example financial, information and marketing, are studied which link and involve the production and marketing programs. Applications will be studied, eg credit and input supply, land reform, extension and research. Other aspects include: policy making and agricultural development planning, management in government and non-government organisations, and participation at the community level.

assessment: as arranged by the supervisor/lecturer

4811 Measurement of Plant and Soil Water

3 points semester 1

Agronomic research uses a wide range of techniques to measure the water status in plants and soil. This subject leads the student through an integrated study of the

theory and practical measurement of transpiration, soil water, groundwater and agrometeorology. The student will prepare focussed reviews of each of these sub-topics and learn the techniques for measurement of plant and soil water, groundwater and climate. The student will also be instructed in the general use of data loggers and specific measurement software.

assessment: literature reviews, associated assignments

8841 Meat Inspection

3 points not offered in 2000

This subject will cover AQIS requirements for ante-mortem and post-mortem inspection, procedures for identification of diseased animals, inspection and disposition procedures, record keeping, animal welfare issues and other regulatory requirements.

assessment: to be advised

8656 Meat Plant Management and Administration

3 points not offered in 2000

This subject will cover on-plant management and administration, including management of human resources, budgeting, administration of material resources, record keeping and the understanding of export meat legislation. The structure of the meat industry will be described including regulatory, cultural, technical and environmental aspects. The principles of meat science will be covered.

assessment: to be advised

9503 Molecular Markers in Plant Breeding

1.5 points one week in semester 1

40 hours

assumed knowledge: degree in Agricultural Science or Science

The aim of this subject is to teach the basic principles of recombinant DNA technology with an emphasis on the application of these techniques to plant breeding. The following techniques will be taught: DNA isolation from plant tissue; restriction digestion and gel polyacrylamide and agarose electrophoresis; cloning DNA in plasmid vectors; plasmid DNA isolation; Polymerase Chain Reaction; Southern hybridisation. Lectures will cover basic aspects of DNA structure and the organisation of the plant genome, the application of molecular markers to breeding programs and various related recombinant DNA techniques.

assessment: work book assessment

6627 Molecular Tools for Diagnosis of Plant Pathogens

1.5 points beginning of semester 1
35 hours comprising lectures and practicals over 5 days
Quota of 20

prerequisites: degree in Science, Agricultural Science or Environmental Science or equivalent. Some previous experience with techniques in molecular biology would be an advantage.

Molecular methods for the sensitive and rapid diagnosis of fungal, bacterial and viral pathogens, using both immunological and nucleic acid probing techniques appropriate for use by plant pathologists.

assessment: to be advised

2724 Plant Nutrition for Productive Systems

1.5 points semester 2 break
10 lectures, 5 tutorials, 5-hour field trip, 20 hours laboratory, glasshouse, library work - over one week

restrictions: 3434 Mineral Nutrition of Plants

assumed knowledge: degree/diploma in Science or Agricultural Science

Topics considered are: symptomatology, diagnosis and prognosis, correction and fertiliser strategies, interactions between nutrients, interactions with other factors in production such as, genotype, disease, herbicide, climate. Contemporary issues: pollution, profitability, role of plant nutrition in sustainable systems for nutrition of humans and animals. Experimental methodology.

assessment: written work, short presentation

3010 Plant Tissue Culture and Transformation

1.5 points semester break (July)
8 hours a day for 5 days

assumed knowledge: B.Sc. (Biol)/B.Ag.Sc.

This subject is designed to introduce participants to the basic principles and techniques of tissue culture and plant transformation. Each day of the course regular periods of time will be devoted to background information, practical training followed by discussion of results and the application of techniques. The topics covered will be: basic principles, media composition, selection of growth regulators, explant tissue; in vitro propagation of horticultural plants; shoot multiplication (direct organogenesis); mass propagation of plants from callus (indirect organogenesis); out planting; hardening and acclimatisation to soil; establishment of a cell

suspension culture and its maintenance and applications; plant transformation, using Agrobacterium and direct DNA delivery techniques, its application in functional analysis of genes and genetic engineering of crop plants.

assessment: practical reports 60%, written assignment 40%

9105 Problems in Agricultural Business A

3 points semester 1

Multi-modal

Contact arranged with Head of Department

This subject will offer the student the opportunity to investigate a problem in the agricultural business area. The problem will relate to the student's study program and the teaching and research interests of staff and visiting academics.

assessment: written assignments and oral presentations

9281 Problems in Agricultural Business B

3 points semester 2

Multi-modal

Contact arranged with Head of Department

This subject will offer the student the opportunity to investigate a problem in the agricultural business area. The problem will relate to the student's study program and the teaching and research interests of staff and visiting academics.

assessment: written assignments and oral presentations

5932 Quality Assurance in the Meat Industry

3 points not offered in 2000

Contact hours to be advised

This subject will describe quality assurance principles, hazard analysis and critical point determinations, monitoring of quality assurance practices, compliance and non-compliance with QA agreements, Federal legislative requirements and National Plant Monitoring System reports. Candidates will learn to perform and supervise QA inspection procedures including water testing, control systems, construction and equipment standards, effluent discharge, pest control and residue testing. The development of an exotic disease emergency plant will be described and implemented.

assessment: to be advised

4837 Quantitative Methods in Agricultural Business

3 points semester 1

2 lectures, two-hour practical/tutorial per week

assumed knowledge: Business Data Analysis or Statistics

The aim of this subject is to introduce a collection of management science/operations research techniques that helps business managers make better decisions and to foster a logical, consistent and systematic approach to problem formulation, problem solving and decision making. Emphasis is placed on model formulation and interpretation rather than algorithms. Topics to be covered include mathematical programming, network modelling, CPM and PERT, inventory models, Monte Carlo simulation, decision analysis under risk, and time series forecasting.

assessment: theory and practical exam, case studies, other assignments.

6495 Research Methodology

4 points semester 1

2 hours per week

prerequisites: admission to B.App.Sc.(Hons) or to a postgraduate course offered by the Faculty.

This subject introduces students to the research process. It covers topics such as priority-setting and planning; establishing and designing experiments; data collection and management; statistical analysis; grant application; scientific writing and communication of research results.

assessment: examination 45%, assignments 30%, tutorial exercises 15%, seminar 10%

7046 Research Methodology and Experimentation

3 points semester 1 or midyear break

3 lectures, 3 hour tutorial per week or 9-5 Monday to Friday over two weeks inclusive

prerequisites: degree in Agricultural Science or Science

assumed knowledge: first course in Biometry or Introductory Statistics

The Statistical Package GENSTAT 5 for Windows is introduced and utilised extensively throughout the subject. Revision of basic regression and analysis of variance methodology. A selection of topics from the following: extension of regression (both linear and non linear); design and analysis of complicated multi-factor

experiments; Latin squares; analysis of covariance; generalised linear models (including probit analysis and logistic regression); multiple comparisons.

As part of the subject a selection of case studies will be discussed to illustrate the important steps involved during a research program (ie development of aims, setting of hypotheses, design of the experiment, collection of data, analysis and interpretation of results).

assessment: written assignment and final written exam

6946 Research Methodology and Methods

3 points semester 1 or 2

3 hours seminars per week

This subject familiarises the student with: the methodology of scientific research in agricultural business, ie. the system of rules and procedures on which agricultural business research is based and against which claims for knowledge are appraised; and the methods or techniques commonly used in agricultural business research, including quantitative techniques and computer techniques. Coverage of techniques emphasise the types of problems each technique is suitable for, and the strength and limitations of each technique. The first half of the subject concentrate on methodology, the second half on methods. Concepts required for writing a research proposal are presented in the first half of the semester. The methods are presented during the second half of the semester. During the second half of the semester, a student completes and successively refines his/her proposal to be presented at the end of the semester.

assessment: written assignments, seminar presentations

6043 Research Proposal

3 points semesters 1 or 2

The proposal will include a review of the relevant literature on a research topic, a justification of the proposal in terms of its academic and, if appropriate, industry value and a summary of the methodology which would be used in the investigation. The candidate will also present a seminar as part of the research proposal.

assessment: written report, seminar as arranged by Department

1058 Rural Sociology

4 points full year

Internal each year external even years only

3 hours per week

This subject provides an introduction to sociology and the sociology of agriculture and natural resources. Topics include classical sociological theories, sociology of agriculture, sociology of natural resources, implications for Australian farmers and research methods and their application and interpretation.

assessment: assignment

2665 Seminars: Agricultural and Natural Resource Sciences

1 point semester 1 or 2

Tutorials/discussions with supervisor by arrangement, or series of formal seminars/ discussions, one per fortnight

prerequisites: appropriate degree in Science, Agricultural Science, Environmental Science or Agricultural Business

Each student will be required: Either to prepare a substantial seminar paper (3000-5000 words) on a specific topic, present the paper to a selected audience and lead/contribute to the following discussion, the topic for the paper being related to but not covered by other subjects taken by the student; Or prepare assignments on a series of formal seminars attended by the student, on current research topics.

assessment: written seminar and/or assignment 70%, oral seminar presentation and discussion 30%

2793 Social Psychology

4 points full year

3 hours per week

Introductory social psychology and educational objectives in learning programs, perception, attitudes, attitude theory and attitude measurement, balanced theories, motivation, needs, wants, goals; groups, group dynamics; principles of educational learning theories, classical conditioning, operant conditioning, Gestalt psychology, cognitive theories, social learning, personality and motivational theories applied to learning, self-concept, defence mechanisms, non-Freudian personality and learning theories, elements of educational psychology, thinking methods and intelligence; adult education, agricultural education; human transactions, conflict resolutions; expectancy, role theory, social psychology of organisations, formal organisations, psychological implications of

technological development, application of social psychology to working in developing countries.

assessment: to be advised

3065 Soil Conservation G

4 points full year

External mode only - attendance at residential school compulsory

assumed knowledge: good basic knowledge of soils

Historical aspects of human activities on soil erosion, mechanics of wind and water erosion with emphasis on the theoretical aspects of soil structure, rainfall. Management of water repellent sands, soil acidity, sodicity, salinity and biology. Introduction to aerial photographic interpretation with respect to erosion features, classification and production of erosion maps. The use of remote sensing imagery for broad scale erosion mapping. Laboratory techniques for soil description. Introduction to the sociological and legal constraints involved in conservation procedures.

assessment: written assignments

8588 Spatial Information Systems

1.5 points part semester 2

1 week intensive course

prerequisites: appropriate degree in Science, Agricultural Science or Environmental Science

restrictions: 7072 Remote Sensing, 9462 Remote Sensing and Land Evaluation, 4311 Remote Sensing and Land Evaluation S

This subject deals with the use of global positioning units, analysis of satellite imagery and the manipulation of this data within a geographic information base. Use of these systems for the production of land evaluation criteria is discussed.

assessment: to be advised

8381 The Global Market for Wine

3 points semester 1

2 hours lectures, 1 tutorial per week

prerequisites: 7376 Economics for Agricultural Business; 7803 Marketing Management or 4843 Agricultural Marketing Principles and Strategies; 7168 Financial Reporting and Analysis or 4063 Accounting for Agricultural Business; or equivalent; and consent of subject coordinator

This subject examines the structure of the global wine industry, including regulatory agencies, organisations

and major wine producing/consuming areas. Emphasis is given to consumer behaviour and marketing strategies employed in the major wine consuming markets.

assessment: written, oral project; exam

9558 Theories of Social Change for Developing Countries

3 points semester 1 or 2

In order to appreciate contemporary theories of rural and agricultural change in the third world, the background of these theories in general social theories will be examined. The logic and assumptions of contemporary theories of social change specifically related to 'development' can then more easily be identified. Practical and policy consequences flowing from these approaches can also be more easily analysed. With this background substantive issues in development can be considered, such as colonialism and its legacy, gender, power and inequality together with issues of ecological damage and sustainability.

8409 Topics in Agricultural Business A

3 points semester 1

3 hours per week

restrictions: approval of Head of Department and Agricultural Business Postgraduate Coursework Adviser

The subject will offer the opportunity to the student to cover a range of topics in Agricultural Business as it relates to the student's study program and the teaching and research interests of staff and visiting academics.

assessment: written assignments and oral presentations

6492 Topics in Agricultural Business B

3 points semester 2

3 hours per week

restrictions: approval of Head of Department and Agricultural Business Postgraduate Coursework Adviser

The subject will offer the opportunity to the student to cover a range of topics in Agricultural Business as it relates to the student's study program and the teaching and research interests of staff and visiting academics.

assessment: written assignments and oral presentations

4945 Topics in Animal Science

6107 Topics in Animal Science A

3 points semester 1 or 2

26 lectures or equivalent; associated practical work

assumed knowledge: degree in Agricultural Science or Science

The subject will offer the opportunity to cover a range of topics on Animal Science related to the teaching and research interests of staff. Candidates should consult the Head of Department for topics currently available.

assessment: to be advised

6826 Topics in Crop Protection

3 points semester 2

26 lectures or equivalent (comprising essays, tutorials and seminars); associated practical work

prerequisites: degree in Science, Environmental Science, Agriculture or equivalent

The subject will review some of the following topics: population dynamics and seasonal occurrence of insect, plant pathogen and weed pests; biology of pests; quantitative methods of sampling, decision making and damage assessment; chemical control; plant resistance and biotechnology; biological control; quarantine procedures; integration and implementation of crop protection practices. Candidates should consult the Head of Department for topics currently available.

assessment: to be advised

2379 Topics in Soil and Water

3 points semester 1 or 2

24 lectures or equivalent; associated practical work

prerequisites: appropriate degree in Science, Agricultural Science or Environmental Science

This subject may be offered from time to time as a means of examining current topics in soil science, soil management and land evaluation that are related to the research and teaching interests of staff and visiting scientists. Candidates should consult the Head of the Department for topics currently available.

assessment: to be advised

9822 Topics in Soil and Water A

3 points full year

24 lectures or equivalent; associated practical work

prerequisites: appropriate degree in Science, Agricultural Science or Environmental Science

This subject may be offered from time to time as a means of examining current topics in soil science, soil management and land evaluation that are related to the research and teaching interests of staff and visiting scientists. Candidates should consult the Head of the Department for topics currently available.

assessment: to be advised

9508 Topics in Soil and Water B

1.5 points semester 1 or 2

12 lectures or equivalent and associated practical work. May be presented as an intensive short course

prerequisites: appropriate degree in Science, Agricultural Science, environmental Science or equivalent

This subject may be offered from time to time as a means of examining current topics in soil science, soil management and land evaluation that are related to the research interests of staff and visiting scientists. Candidates should consult the Head of the Department for topics currently available.

6319 Wine and Society

3 points semester 1

2 hours lectures, 1 tutorial per week

This subject provides an overview of the origins of grape and wine production, the religious and cultural symbolism of wine, the development of an international wine trade in the 20th century and the role of fashion in those markets, an examination of wine and other forms of alcohol and health issues, an introduction to licensing, labelling, and product laws, and a brief overview of the structure of the Australian wine industry.

assessment to be advised

7114 Wine Business Management

3 points semester 2

2 hours lectures, 1 tutorial per week

prerequisites: 7376 Economics for Agricultural Business; 7803 Marketing Management or 4843 Agricultural Marketing Principles and Strategies; 7168 Financial Reporting and Analysis or 4063 Accounting for Agricultural Business; or equivalent; and consent of subject coordinator

The subject examines linkages between the production of wine and business management, including accounting and financial management, marketing and organisation development. Key areas of focus are brand building and management, understanding costs

of production, financing growth, application of decision making models to winery operations, and establishing a learning organisation.

assessment: projects 50%, examination 50%

Research Projects

4205 Project A (ANR)

7215 Project A (ANR) (Mid-year)

3 points full year

Contact with supervisor by arrangement

assumed knowledge: students may be required to take certain subjects in preparation for the project

Projects may comprise some or all of literature reviews, field trials, laboratory experiments, seminars and written assignments. Topics for projects may be chosen from any of the subjects included in the course.

5215 Project A (ANR) (One Semester)

3 points semester 1 or 2

Contact with supervisor by arrangement

assumed knowledge: students may be required to take certain subjects in preparation for the project

Projects may comprise some or all of literature reviews, field trials, laboratory experiments, seminars and written assignments. Topics for projects may be chosen from any of the subjects included in the course.

7949 Project B (ANR)

6095 Project B (ANR) (Mid-year)

4 points full year

Contact with supervisor by arrangement

assumed knowledge: students may be required to take certain subjects in preparation for the project

Projects may comprise some or all of literature reviews, field trials, laboratory experiments, seminars and written assignments. Topics for projects may be chosen from any of the subjects included in the course.

9502 Project B (ANR) (One Semester)

4 points semester 1 or 2

Contact with supervisor by arrangement

assumed knowledge: students may be required to take certain subjects in preparation for the project

Projects may comprise some or all of literature reviews, field trials, laboratory experiments, seminars and written assignments. Topics for projects may be chosen from any of the subjects included in the course.

1717 Project C (ANR)

3653 Project C (ANR) (Mid-year)

6 points full year

Contact with supervisor by arrangement

assumed knowledge: students may be required to take certain subjects in preparation for the project

Projects may comprise some or all of literature reviews, field trials, laboratory experiments, seminars and written assignments. Topics for projects may be chosen from any of the subjects included in the course.

3004 Project C (ANR) (One Semester)

6 points semester 1 or 2

Contact with supervisor by arrangement

assumed knowledge: students may be required to take certain subjects in preparation for the project.

Projects may comprise some or all of literature reviews, field trials, laboratory experiments, seminars and written assignments. Topics for projects may be chosen from any of the subjects included in the course.

1320 Project D (ANR)

8676 Project D (ANR) (Mid-year)

8 points full year

Contact with supervisor by arrangement

assumed knowledge: students may be required to take certain subjects in preparation for the project

Projects may comprise some or all of literature reviews, field trials, laboratory experiments, seminars and written assignments. Topics for projects may be chosen from any of the subjects included in the course.

4621 Project D (ANR) (One Semester)

8 points semester 1 or 2

Contact with supervisor by arrangement

assumed knowledge: students may be required to take certain subjects in preparation for the project

Projects may comprise some or all of literature reviews, field trials, laboratory experiments, seminars and written assignments. Topics for projects may be chosen from any of the subjects included in the course.

2211 Project E (ANR)

2018 Project E (ANR) (Mid-year)

9 points full year

Contact with supervisor by arrangement

assumed knowledge: students may be required to take certain subjects in preparation for the project

Projects may comprise some or all of literature reviews, field trials, laboratory experiments, seminars and written assignments. Topics for projects may be chosen from any of the subjects included in the course.

3522 Project E (ANR) (One Semester)

9 points semester 1 or 2

Contact with supervisor by arrangement

assumed knowledge: students may be required to take certain subjects in preparation for the project.

Projects may comprise some or all of literature reviews, field trials, laboratory experiments, seminars and written assignments. Topics for projects may be chosen from any of the subjects included in the course.

2854 Project F (ANR)

8492 Project F (ANR) (Mid-year)

12 points full year

Contact with supervisor by arrangement

assumed knowledge: students may be required to take certain subjects in preparation for the project.

Projects may comprise some or all of literature reviews, field trials, laboratory experiments, seminars and written assignments. Topics for projects may be chosen from any of the subjects included in the course.

7382 Project F (ANR) (One Semester)

12 points semester 1 or 2

Contact with supervisor by arrangement

assumed knowledge: students may be required to take certain subjects in preparation for the project.

Projects may comprise some or all of literature reviews, field trials, laboratory experiments, seminars and written assignments. Topics for projects may be chosen from any of the subjects included in the course.

7188 Project G (ANR)

3661 Project G (ANR) (Mid-year)

21 points full year

Contact with supervisor by arrangement

assumed knowledge: students may be required to take certain subjects in preparation for the project.

Projects may comprise some or all of literature reviews, field trials, laboratory experiments, seminars and written assignments. Topics for projects may be chosen from any of the subjects included in the course

8200 Natural Resources Project I

4 points full year

Internal, external mode

Projects may comprise experiments, surveys, literature reviews, seminars and assignments leading to a written report. Proposals will be individually assessed so that they complement the academic and practical background of each student and his/her course work.

assessment: to be advised

6846 Natural Resources Project II

12 points full year

Internal, external mode

Projects may comprise experiments, surveys, literature reviews, seminars and assignments leading to a written report. Proposals will be individually assessed so that they complement the academic and practical background of each student and his/her course work.

assessment: to be advised

THE UNIVERSITY OF CHICAGO PRESS

150 South Dearborn Street, Chicago, IL 60604

Telephone: 773/707-7000 Fax: 773/707-0851

http://www.press.uchicago.edu

Chicago, IL 60604-7100

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Printed in the United Kingdom by the University Press,

Cambridge

ISBN 0 521 01155 9

9 780521 011559 >

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Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General Course Rules to the Convenor of the Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific Course Rules to the Executive Deans of Faculties
- 3 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty. The Head of department or centre may approve minor changes to any previously approved syllabus.
- 4 The Executive Dean of the Faculty has further delegated the power to approve minor changes to the Specific Course Rules and to approve syllabuses to the Dean of the School.
- 5 There is also the degree of Doctor of Engineering, whose rules are available on application to the School Office.

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Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General Course Rules to the Convenor of the Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific Course Rules to the Executive Deans of Faculties.
- 3 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty. The Head of department or centre may approve minor changes to any previously approved syllabus.
- 4 There is also the degree of Doctor of Engineering, whose rules are available on application to the School Office.

School of Engineering

Website: <http://www.eng.adelaide.edu.au>

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Graduate Certificate in Engineering (Hydrology and Water Resources)

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Graduate Certificate in Engineering (Signal Processing)

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Graduate Certificate in Engineering (Structural Engineering)

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Graduate Certificate in Telecommunications

Grad.Cert.Telecom.

This course is jointly managed with the School of Mathematical and Computer Sciences. For details, see entry under the School of Mathematical and Computer Sciences.

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Graduate Diploma in Engineering (Fuels, Combustion & Emission Control)

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M.Eng.(RFE.)

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Graduate Certificate in Business Enterprise (SME)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

- 1.1 Except as provided for in 1.2 below, a candidate for admission to the course of study for the Graduate Certificate shall:
- have qualified for admission to a degree of the University or for a degree of another institution accepted for the purpose by the University
 - have obtained the approval of the Head of the Department of Mechanical Engineering.
- 1.2 Subject to the approval of Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not qualify for admission to the course under 1.1. above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of course

To qualify for the Graduate Certificate a candidate shall satisfactorily complete a course of full time study extending over at least six months, or part time study extending over at least one year. Except with the permission of the Faculty, the work for the Graduate Certificate shall be completed within two years.

3 Assessment and examinations

- 3.1 There shall be four classifications of pass in each subject of the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 3.2 A candidate shall not be eligible to attend for examinations unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- 3.3 A candidate who fails to pass in a subject and desires to take the subject again shall again undertake study and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically

exempted therefrom after written application to the Faculty for such exemption.

- 3.4 A candidate who has twice failed the examination in any subject or division of a subject may not enrol for the subject again except by special permission from the Faculty and then only under such conditions as may be prescribed.
- 3.5 For the purpose of this Rule, a candidate who is refused permission to sit for examination, or who without a reason accepted by the Head of the Department of Mechanical Engineering fails to attend all or part of a final examination (or supplementary examination if granted) after being enrolled for at least two thirds of the normal period during which the subject is taught, shall be deemed to have failed the examination.

4 Course of Study

A candidate for the Graduate Certificate shall regularly undertake study as may be prescribed, and pass examinations in a selection of subjects offered by the Department of Mechanical Engineering or another department of the University where appropriate, to an aggregate value of at least twelve points in accordance with the provisions of this Rule.

5 Subjects of Study

The candidate shall complete satisfactorily the following compulsory subjects:

3738 Business Communication	2
2664 Entrepreneurship and Innovations	2
2462 Introduction to Small Business Management	2
7391 Small Business Finance	2
1929 Small Business Operations	2
4586 Small Business Practice	2

Syllabus

See Graduate Diploma in Business Enterprise (SME) for Syllabus details

Graduate Certificate in Engineering (Environmental Engineering)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

- 1.1 Except as provided in 1.2 below, an applicant for admission to the course of study for the Graduate Certificate shall have qualified for the degree of Bachelor of Engineering of the University of Adelaide or for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as equivalent to that degree for the purpose of this Rule.
- 1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate an applicant who does not qualify for admission under 1.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of course

- 2.1 Except with the permission of the Faculty the work for the Graduate Certificate shall be completed in part-time study over not more than two years.

3 Status, exemption and credit transfer

- 3.1 A candidate who desires that examinations passed in the University or elsewhere be counted for the Graduate Certificate in Engineering (Environmental Engineering) may on written application be granted such exemption from the requirements of these Rules as the Faculty may determine. Otherwise no subject counted for any other award shall be counted as part of the requirements for the Graduate Certificate. In any case, if a subject has a Conceded Pass classification for the purpose of another award, any such subject passed with this classification shall not count towards the requirements for the Graduate Certificate.

4 Assessment and examinations

- 4.1 There shall be four classifications of Pass in each subject for the Graduate Certificate: Pass with

High Distinction, Pass with Distinction, Pass with Credit, and Pass.

- 4.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to attend for examination shall be deemed to have failed the examination.
- 4.3 A candidate who fails in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.
- 4.4 A candidate who has twice failed in any subject may not enrol for that subject again except by special permission of the Faculty and then only under such conditions as may be prescribed.

5 General

- 5.1 The foregoing Specific Course Rules notwithstanding, a candidate who has been enrolled for the Graduate Diploma in Engineering (Environmental Engineering), and who as such a candidate has completed the work prescribed herein for the Graduate Certificate and who has not been awarded the Graduate Diploma, shall on written application be awarded the Graduate Certificate, subject to the student discontinuing candidature for the Graduate Diploma.

6 Subjects of study

- 6.1 The following shall be subjects for the Graduate Certificate in Engineering (Environmental Engineering):

Group A: compulsory subjects

4611 Environmental Engineering III	2
6648 Environmental Auditing	2

4788 Environmental Processes and Modelling	2
7678 Transport Processes in the Environment	2

Group B: elective subjects

7643 Advanced Engineering Hydrology	2
5534 Advanced Engineering Management	2
9064 Advanced Flood Hydrology	2
7883 Advanced Stochastic Hydrology	2
1768 Advanced Tropical Hydrology	2
4719 Advanced Water Distribution Systems	2
6012 Advanced Water Engineering	2
5980 Advanced Water Resources Management	2
9506 Advanced Water Resources Planning	2
5631 Environmental Economics E	4
4338 Groundwater Resources and Contamination	2
1233 Introduction to Environmental Law	2
1259 Numerical Methods in Environmental Engineering	2
9969 Special Topics in Management and Planning IV	2
9043 Special Topics in Water Engineering IV	2
9309 Systems Planning and Analysis	2
8770 Waste Management	2
1030 Wastewater Engineering	2

7 Course of study

- 7.1 To qualify for a Graduate Certificate in Engineering (Environmental Engineering) a candidate shall satisfactorily complete all subjects from Group A in 6 above plus subjects from Group B totalling at least 4 points.
- 7.2 The subjects presented shall not include any which is, in the opinion of the Faculty, substantially equivalent to another subject presented for the Certificate or already counted towards another qualification.
- 7.3 Should any subject in Group A be covered by 7.2 above then a subject(s) with an equivalent points value from Group B may be substituted with the approval of the Head of Department.
- 7.4 Candidates wishing to enrol in subjects for which they do not have the necessary preliminary knowledge may be required to take

such bridging subjects prior to the commencement of their Certificate studies as may be deemed appropriate by the Head of the Department. No academic credit toward the Certificate will be awarded for such studies.

7.5 To complete a course of study in a subject a candidate shall, unless exempted by the Head of the Department offering the subject:

- (a) regularly attend the prescribed lectures, tutorials, workshops and seminars *and*
- (b) undertake such computing work, project work, practical work, field work and case studies, do such reading, written and oral work and pass such examinations as the Head of the Department offering the subject may prescribe.

7.6 Each candidate's course of study must be approved by the Head of the Department at enrolment each year.

Syllabus

See Graduate Diploma in Engineering (Environmental Engineering) for syllabus details

Graduate Certificate in Engineering (Fuels, Combustion and Emission Control)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

- 1.1 Except as provided for in 1.2 below, an applicant for admission to the course for the Graduate Certificate shall:
- have qualified in the University of Adelaide for the degree of Bachelor of Engineering (Chemical) or (Mechanical), or Honours degree of Bachelor of Engineering other than the Bachelor of Engineering (Chemical) or (Mechanical), or Honours degree of Bachelor of Science *or*
 - have qualified for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent academically and professionally to one of the degrees described in clause 1.1.(a) above *or*
 - have qualified in the University of Adelaide for the Ordinary degree of Bachelor of Engineering or Bachelor of Science, or for an award accepted by the Faculty as being equivalent to one of those degrees, and have in addition successfully undertaken advanced studies and/or work in an appropriate area which is considered by the Faculty to be an adequate preparation for candidature.
- 1.2 The Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose, accept as a candidate for the Graduate Certificate, a person who does not qualify under 1.1 above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of course

- 2.1 Except with the special permission of the Faculty, the course for the Graduate Certificate shall be completed in not less than one semester and not more than two semesters of full-time study, or not less than two and not more than four semesters of part-time study.

3 Assessment and examinations

- 3.1 There shall be four classifications of pass in each subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.
- 3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- 3.3 A candidate who fails in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom by the Faculty.
- 3.4 A candidate who has twice failed any subject may not enrol for that subject again except by special permission of the Faculty and then only under such conditions as may be prescribed.
- 3.5 For the purpose of this Rule a candidate who is refused permission to sit for examination, or who without a reason accepted by the Executive Dean of the Faculty (or nominee) fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least eight teaching weeks of that semester, shall be deemed to have failed the examination.

4 Course of Study

- 4.1 To qualify for a Graduate Certificate in Engineering (Fuels, Combustion & Emission Control) a candidate shall satisfactorily complete all subjects in Group A plus subjects from Group B below, to the total value of at least 12 points.

notes

- Each year the Department of Chemical Engineering shall determine which of the elective subjects in Group B will be offered and in which semester they will be offered.
- With approval from the Head of Department of Chemical Engineering, a student may undertake a limited number of subjects offered by other

Departments or Faculties, or by other institutions, to replace some of the elective subjects in Group B.

Group A: core subjects

5552 Fuels and Combustion Technology	2
3632 Fuels and Combustion Laboratory Projects I	3
3516 Instrumentation and Control for Combustion Processes	2
6647 Introduction to Combustion Phenomena	3

Group B: elective subjects

General

2892 Combustion and Environment	2
1120 Combustion for High Temperature Processing	2
5475 Combustion Heat Transfer	2
4529 Combustion Plant Safety and Management	2

Coal

8791 Coal Combustion in Furnaces	2
4115 Coal Conversion Processes other than Combustion	2

Gas and Oil

6030 Oil and Gas Combustion Technology	2
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5 Status or exemption

5.1 A candidate may not present for credit towards the Graduate Certificate any subject which has been presented as part of the requirements for any other award of this University or other institution, or which in the opinion of the Faculty is substantially similar to such subject.

6 Articulation with other awards

6.1 Notwithstanding the foregoing Specific Course Rules, a candidate who has been enrolled for the degree of Master of Engineering (Fuels, Combustion & Emission Control) or Graduate Diploma in Engineering (Fuels, Combustion & Emission Control), who as such a candidate has completed the work prescribed herein for the Graduate Certificate and who has not been awarded the degree of Master or Graduate Diploma, shall on written application be awarded the Graduate Certificate, subject to the student discontinuing candidature for the degree

of Master of Engineering (Fuels, Combustion & Emission Control) or Graduate Diploma in Engineering (Fuels, Combustion & Emission Control).

Syllabuses

3632 Fuels and Combustion Laboratory Projects I

3 points semester 1 or 2
60 hours practical work

A series of laboratory projects illustrating properties of fuels, combustion behaviour of various fuels, flame structure and properties, combustion measurement, ignition and explosions, pollutant formation and control, material and energy balances.

assessment: project reports

2892 Combustion and Environment

2 points semester 1 or 2
24 lectures, 12 tutorials

Fuel chemistry and impurities in fuels; chemical reactions and pollutant formations; behaviour of sulphur and nitrogen in combustion processes; impact of NO_x, SO_x and CO₂ emissions on the environment; dust emissions, common technologies for combustion emission control.

assessment: final exam, assignments

Note: please refer to Master of Engineering (Fuels, Combustion and Emission Control) for syllabus details of other subjects

Graduate Certificate in Engineering (Hydrology and Water Resources)

The course for the Graduate Certificate is a Joint Program of the three participating universities, the University of Adelaide, The Flinders University of South Australia, and the University of South Australia, together with two research centres, the Australian Centre for Water Quality Research and the Centre for Groundwater Studies.

There is an Hydrology and Water Resources Program Committee comprising a full-time academic representative from each of the three participating universities. A Coursework Coordinator, a full-time member of the academic staff, is appointed at each of the three participating universities by the Program Committee.

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 Except as provided in 1.2 below, an applicant for admission to the course of study for the Graduate Certificate shall:

- (a) have qualified in the University for the Honours degree of Bachelor of Engineering, Science, Agricultural Science or Applied Science, or the degree of Bachelor of Engineering in the Honours grade *or*
- (b) have qualified for an award accepted by the Faculty as being equivalent, academically and professionally, to the Honours degree of Bachelor of Engineering, Science, Agricultural Science or Applied Science, or the degree of Bachelor of Engineering in the Honours grade in the University *or*
- (c) have qualified in the University for the Ordinary degree of Bachelor of Engineering, Science, Agricultural Science or Applied Science, or for an award accepted by the Faculty as being equivalent to those degrees, and have in addition successfully undertaken advanced studies and/or work in an appropriate area which is considered by the Faculty to be an adequate preparation for candidature.

1.2 Subject to the approval of the Council, the Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose, accept as a candidate for the Graduate Certificate a person who does not

qualify under 1.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of course

2.1 Except with the special permission of the Faculty the course for the Graduate Certificate shall be completed in not less than one semester and not more than two semesters of full-time study or not less than two and not more than four semesters of part-time study.

3 Assessment and examinations

- 3.1 There shall be four classifications of pass in each subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.
- 3.2 Except with the permission of the Faculty, no candidate may attempt a subject more than twice.

4 General

- 4.1 A candidate may not present for credit towards the Graduate Certificate any subject which has been presented as part of the requirements for any other award of this University or other institution, or which in the opinion of the Faculty is substantially similar to such subject.
- 4.2 Notwithstanding the foregoing Specific Course Rules, a candidate who has been enrolled for the degree of Master of Engineering (Hydrology and Water Resources) or the degree of Master of Applied Science (Hydrology and Water Resources), who as such a candidate has completed the work prescribed herein for the Graduate Certificate and who has not been

awarded the Master degree, shall on written application be awarded the Graduate Certificate, subject to the student discontinuing candidature for the degree of Master of Engineering (Hydrology and Water Resources) or, as the case may be, Master of Applied Science (Hydrology and Water Resources).

5 Course of study

- 5.1 To qualify for the Graduate Certificate, a student shall satisfactorily complete subjects from 6 below to the value of at least 12.5 points.

6 Subjects of study **

- 6.1 The following shall be the subjects for the Graduate Certificate in Engineering (Hydrology and Water Resources).

8095	Computing and Hydraulics	2.5
3040	Hydrogeology	2.5
7783	Surface Hydrology	2.5
7278	Water Quality Fundamentals and Processes	2.5
7103	Water Resources Management	2.5

** With the approval of the Head of the Department of Civil and Environmental Engineering, a limited number of these subjects may be replaced with other suitable subjects offered by the University of Adelaide, Flinders University or the University of South Australia.

Syllabus

See Master of Engineering (Hydrology and Water Resources) for syllabus details

Graduate Certificate in Engineering (Signal Processing)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 Except as provided in 1.2 below an applicant for admission to the course of study for the Graduate Certificate shall have qualified for the degree of Bachelor of Engineering of the University of Adelaide or for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as equivalent to that degree for the purpose of this Rule.

1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate an applicant who does not qualify for admission under 1.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of course

2.1 Except with the permission of the Faculty the work for the Graduate Certificate shall be completed in not less than one semester of full-time work and not more than two years.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

3.4 A candidate who has twice failed any subject may not enrol for that subject again except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule a candidate who is refused permission to sit for examination, or who without a reason accepted by the Executive Dean of the Faculty (or nominee) fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least eight teaching weeks of that semester, shall be deemed to have failed the examination.'

4 Subjects of study

4.1 The following shall be subjects for the Graduate Certificate in Engineering (Signal Processing):

Group A: core subjects

6772 Computer Vision	2
9479 Digital Signal Processing Techniques	2
7759 Estimation Theory	2
2425 Introduction to Multisensor Data Fusion	2
1347 Neural Networks	2
3449 Radar Imaging	2
4370 Wavelet Transforms	2

Group B: elective subjects

Other relevant subjects offered for Graduate Diploma and Graduate Certificate courses at the University of Adelaide, the University of South Australia and the Flinders University of South Australia, as may be approved by the Head of the Department of Electrical and Electronic Engineering.

5 Course of study

5.1 To qualify for a Graduate Certificate in Engineering (Signal Processing) a candidate shall satisfactorily complete subjects from 4 above with an aggregate points value of at least 12, including at least 6 points from Group A.

5.2 The subjects presented shall not include any which is, in the opinion of the Faculty, substantially equivalent to another subject

presented for the Certificate or already counted towards another qualification.

- 5.3** Candidates wishing to enrol in subjects for which they do not have the necessary preliminary knowledge may be required to take such bridging subjects prior to the commencement of their Certificate studies as may be deemed appropriate by the Head of the Department. No academic credit toward the Certificate will be awarded for such studies.
- 5.4** To complete a course of study in a subject a candidate shall, unless exempted by the Head of the Department offering the subject:
- (a) regularly attend the prescribed lectures, tutorials, workshops and seminars; and
 - (b) undertake such computing work, project work, practical work, field work and case studies, do such reading, written and oral work and pass such examinations as the Head of the Department offering the subject may prescribe.
- 5.5** Each candidate's course of study must be approved by the Head of the Department at enrolment each year.

Syllabuses

6772 Computer Vision

2 points

semester 1

14 lecture hours, 4 tutorial hours, 3 practical hours

Modules of vision in the early phase of processing; detection of contrast edges in intensity image arrays; accumulation of edge data to form lines; the use of a stereo image pair to derive depth information; exploitation of image shading (or intensity variation) to obtain surface normal data; motion detection in time-varying imagery; Marr's theory as a framework for visual information processing; generalised cylinders and their role in the recognition of objects depicted in images; scene analysis and the interpretation of line-drawings of polyhedra. Use of vision packages.

The subject aims to provide students with a survey of important developments in computer vision and to introduce them to methods for extracting features from images, with emphasis on shape determination. At the end of the subject the student should be able to describe the major developments in the field; and to implement a variety of vision systems including edge detectors, stereo matchers, shading analysers, and line-drawing interpreters.

assessment: assignment, including practicals

9479 Digital Signal Processing Techniques

2 points

semester 1

13 lecture hours, 8 tutorial/practical hours

Review of basic techniques; DSP tools; signal sampling; spectral analysis; advanced DSP techniques; dedicated DSP processors; radar signal processing; neural network and signal processing.

The subject aims to provide students with hands on experience in basic digital signal processing techniques, tools and Dedicated Signal Processors (DSP) used for processing sensor signals.

On completion of this course, the student should be able: to apply basic signal processing techniques such as Fourier transforms, Z transforms, convolution, correlation, and linear predictive coding; to use DSP tools such as Discrete Fourier Transform (DFT), Fast Fourier Transform (FFT), windowing normalisation, spectral estimation, Analogue to Digital Converter (A/D) and to have acquired hands on experience in processing real-world signals; to describe practical application in radar signal processing; to describe the basics of dedicated signal processor (DSP) chips and their application in fast processing; to apply eigen-space based advanced techniques for high resolution signal

processing; to describe neural network applications in signal processing.

assessment: assignments 50%; exam 50%

7759 Estimation Theory

2 points

semester 1

12 lecture hours, 9 tutorial/practical hours

Introduction to estimation problems and their application to filtering, smoothing, prediction and identification; a review of important results from probability theory and stochastic processes; brief philosophical history of statistical estimation emphasising the contributions of Gauss, Bayes and Fisher; approaches to estimation problems and their solutions in the Gaussian noise case (least squares, minimum variance, MAP and ML); state-space, ARMAX and finite state Markov models; recursive implementations, -RLS, Kalman Filter.

Advanced topics: bounded noise, stochastic embedding, distributed sensors, errors-in-variables, adaptive estimation.

The subject aims to provide students with an introduction to the principles, philosophical issues and implementation aspects of modern estimation algorithms. On completion of the course, the student should be able: to explain the role played by estimation principles in the problems of filtering, prediction, smoothing, identification and tracking; to describe the basic concepts of Bayesian and non-Bayesian strategies; to derive and implement Maximum A Priori (MAP), Maximum Likelihood (ML), Minimum Variance (MV) and Least Square (LS) estimators for various simple situations; to implement recursive estimation algorithms such as Recursive Least Squares (RLS) and the Kalman Filter; to describe more advanced issues such as TLS, non-probabilistic approaches and estimation for large-scale distributed systems.

assessment: assignments

2425 Introduction to Multisensor Data Fusion

2 points

semester 1

12 lecture hours, 9 tutorial/practical hours

Overview of multi-sensor data fusion problems occurring in such areas as tracking and imaging; review of estimation theory and introduction to Dempster/Schaffer Theory; principles of distributed detection and estimation theory and large-scale stochastic systems; centralised and decentralised multi-target multi-sensor tracking algorithms; fusion of

multi-resolution image data; hierarchical architectures for data fusion systems.

The subject aims to provide practising engineers and scientists with an introduction to the theory and practice of data fusion for multi-sensor systems. On completion of the course the student should be able: to describe a range of basic principles and fundamental techniques applicable to the diverse range of fusion data problems; to explain large-scale centralised and decentralised estimation theory; to describe the multi-sensor target tracking problem, especially the issues of coordinate registration errors and distributed algorithms; to explain the basic principles of image data fusion.

assessment: assignments

1347 Neural Networks

2 points semester 1
12 lecture hours, 9 tutorial/practical hours

Objectives and learning paradigms; neural networks architectures; dynamics; training schedules; validation; preprocessing; application examples; laboratory exercises.

The subject aims to introduce the principles of artificial neural networks and methodologies for applying neural networks to practical problems. At the end of the subject the student should be able: to explain the essential features of the main neural network paradigms; to select suitable candidate neural network architectures and dynamics for specific tasks; to propose parameters for networks in some applications; to apply elementary analytical methods to the design and diagnosis of neural networks performance.

assessment: assignments 20%; exam 80%

3449 Radar Imaging

2 points semester 1
12 lecture hours, 9 tutorial/practical hours

Review the basics of radar and imaging systems; outline design and operation of synthetic aperture radar (SAR); principles of inverse synthetic aperture radar (ISAR); analysis of radar images.

The subject aims to provide students with an understanding of the principles, technologies and applications of radar imaging systems with particular emphasis on synthetic aperture radar (SAR). On completion the student is expected: to describe the physical limitations of imaging systems and explain the characteristics of microwave images; to explain the basic principles of microwave radar and the types of radars needed for surveillance tracking and navigation; to describe the principles of operation and

characteristics of spaceborne and airborne synthetic aperture radar systems; to explain how inverse synthetic aperture radar (ISAR) is used to produce images of targets; to obtain the physical characteristics of SAR images from test points; to extract analytical information from SAR images; to explain the difference between active and passive microwave images; to understand the basic principles of radar and the nature of microwave images; to explain the characteristics of microwave images; to describe the principles of imaging systems, especially the limits to resolution and the characteristics of microwave imagery.

assessment: assignment 60%; exam 40%

4370 Wavelet Transforms

2 points semester 1
13 lecture hours, 8 tutorial/practical hours

Orthogonality and Hilbert spaces; review of Fourier transform; continuous wavelet transform; wavelet bases, multiresolution analysis; discrete wavelet transform; implementation aspects; multivariate extension; data compression; audio and video applications; JPEG standard and its wavelet based version.

The subject aims to present students with theoretical background of wavelet transforms and an overview of their applications in signal processing, in particular for data compression. On completion of this course, the student should be able: to describe the basic theory of wavelets and orthogonal functions; to describe the use of wavelet transforms in signal processing and data compression; to explain the advantages and disadvantages of replacing Fourier transform by wavelets; to explain the general structure of the JPEG standard for image communications; implement wavelet transforms in image processing.

assessment: assignment

Graduate Certificate in Engineering (Structural Engineering)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar.

As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 Except as provided in Regulation 1.2 below, an applicant for admission to the course of study for the Graduate Certificate shall either:

- (i) have qualified for the degree of Bachelor of Engineering (Civil and Environmental) of the University of Adelaide *or*
- (ii) hold a qualification accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent to the degree of Bachelor of Engineering (Civil and Environmental) of the University of Adelaide.

1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate an applicant who does not qualify for admission under 1.1 above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of course

2.1 To qualify for the Graduate Certificate a candidate shall satisfactorily complete a course of full-time study extending over at least one semester or its part-time equivalent. Except with the permission of the Faculty the work for the Graduate Certificate shall be completed within two years.

3 Status and exemption

3.1 A candidate who desires that examinations which he or she has passed in the University or elsewhere be counted for the Graduate Certificate in Engineering (Structural Engineering) may on written application be granted such exemption from the requirements of these regulations as the Faculty may determine. Otherwise, no subject counted for any other award of this University or other institution shall be counted as part of the requirements for the Graduate Certificate.

4 Assessment and examinations

4.1 There shall be four classifications of pass in each subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass. If a subject has a Conceded Pass classification for the purpose of another award, any such subject passed with this classification shall not count towards the requirements for the Graduate Certificate.

4.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to attend for examination shall be deemed to have failed the examination.

4.3 A candidate who fails (or obtains a conceded pass) in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

4.4 A candidate who has twice failed or obtained conceded passes in any subject may not enrol for that subject again except by special permission of the Faculty and then only under such conditions as may be prescribed.

5 Subjects of Study

5.1 The following shall be subjects for the Graduate Certificate in Engineering (Structural Engineering):

Group A - Compulsory Subjects

4967	Structural Design III (Concrete)	3
6859	Structural Design III (Steel)	3

Group B - Elective Subjects

1130	Advanced Composite Steel and Concrete Construction	2
8441	Advanced Steel Design	2

8849	Computer Methods of Structural Analysis	2
2414	Design of Concrete Structures	2
6437	Earthquake Engineering	2
6853	Special Topics in Structural Engineering IV	2

6 Course of Study

- 6.1 To qualify for the Graduate Certificate in Engineering (Structural Engineering) a candidate shall satisfactorily complete all subjects from Group A above plus subjects from Group B to a value of at least 6 points.
- 6.2 The subjects presented shall not include any which are, in the opinion of the Faculty, substantially equivalent to other subjects presented for the Certificate or already counted towards another qualification.
- 6.3 Should any subject in Group A be covered by 6.2 above then subject/s with an equivalent points value from Group B may be substituted with the approval of the Head of Department.
- 6.4 Candidates wishing to enrol in subjects for which they do not have the necessary preliminary knowledge may be required to take such bridging subjects prior to the commencement of their Certificate studies as may be deemed appropriate by the Head of the Department. No academic credit toward the Certificate will be awarded for such studies.
- 6.5 To complete a course of study in a subject a candidate shall, unless exempted by the Head of the Department offering the subject:
- regularly attend the prescribed lectures, tutorials, workshops and seminars; and
 - undertake such computing work, project work, practical work, field work and case studies, do such reading, written and oral work and pass such examinations as the Head of the Department offering the subject may prescribe.
- 6.6 Each candidate's course of study must be approved by the Head of the Department at enrolment each year.

Syllabus

See Graduate Diploma in Engineering (Structural Engineering) for syllabus details

Graduate Diploma in Business Enterprise (SME)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees may apply to this course.

Specific Course Rules

1 Admission requirements

1.1 Except as provided for in 1.2 below, a candidate for admission to the course of study for the Graduate Diploma shall:

- (a) have qualified for admission to a degree of the University or for a degree of another institution accepted for the purpose by the University;
- (b) have obtained the approval of the Head of the Department of Mechanical Engineering.

1.2 Subject to the approval of Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not qualify for admission to the course under 1.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a course of full time study extending over at least one year or part time study extending over at least two years. Except with the permission of the Faculty, the work for the Graduate Diploma shall be completed within four years.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails to pass in a subject and desires to take the subject again shall again undertake study and satisfactorily do such written and practical work as the teaching staff

concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

3.4 A candidate who has twice failed the examination in any subject or division of a subject may not enrol for the subject again except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule, a candidate who is refused permission to sit for examination, or who without a reason accepted by the Head of the Department of Mechanical Engineering fails to attend all or part of a final examination (or supplementary examination if granted) after being enrolled for at least two thirds of the normal period during which the subject is taught, shall be deemed to have failed the examination.

4 Course of study

4.1 A candidate for the Graduate Diploma shall regularly undertake study as may be prescribed, and pass examinations in a selection of subjects offered by the Department of Mechanical Engineering or another department of the University where appropriate to an aggregate value of at least twelve points in accordance with the provisions of this rule.

4.2 Diploma project: In addition to the course work, each student will be expected to complete a project supervised by a member of the Department of Mechanical Engineering or jointly supervised by a member of that department and a member of such other department as is most closely related to the project work.

5 Subjects of study

The candidate shall complete satisfactorily the following components:

- (a) Coursework comprising the following compulsory subjects to the value of 12 points:

Engineering — Grad.Dip.Bus.Ent. (SME)

3738	Business Communication	2
2664	Entrepreneurship and Innovations	2
2462	Introduction to Small Business Management	2
7391	Small Business Finance	2
1929	Small Business Operations	2
4586	Small Business Practice	2
(b) 8617	Diploma Project in Business Enterprise	12

6 Transfer from Graduate Certificate in Business Enterprise (SME)

A candidate who holds the Graduate Certificate in Business Enterprise (SME) shall surrender the Graduate Certificate before being admitted to the Graduate Diploma in Business Enterprise (SME).

Syllabuses

The Graduate Certificate and Diploma in Business Enterprise (SME) are offered by the Department of Mechanical Engineering. The Diploma supports the Business Initiative from Graduates (BIG) of the University whereby graduates, with innovative ideas for a product, process or service, are given support to begin a business enterprise and undertake postgraduate study in the Graduate Diploma to acquire and develop knowledge and skills in small business management, entrepreneurial management and innovation.

The syllabuses of the coursework subjects are given below. The Diploma Project will either relate to the business enterprise which the BIG is supporting or be industry based. Emphasis will be placed on gaining practical experience and developing the business enterprise involving use of modern research tools.

Graduates seeking support under the BIG scheme must enrol in the Graduate Diploma in Business Enterprise (SME). Accordingly, graduates should consult the Department of Mechanical Engineering for advice approximately three months before the semester in which they wish to begin their studies. Each candidate's course of study must be approved by the Head of Department or nominee at enrolment.

3738 Business Communication

2 points semester 1
60 hours

The Communication Process, Written Communication in Business, Nonverbal Communication, Listening Skills, Interpersonal Skills, Spoken Communication, Meetings, Communication and the Innovative Enterprise.

assessment: coursework, exam

8617 Diploma Project in Business Enterprise

12 points full year

The student will undertake a project in business enterprise with the general guidance of a supervisor. The project may involve the development of a business plan for a new venture or existing small business.

assessment: written report

2664 Entrepreneurship and Innovations

2 points semester 2
39 hours

Introduction to Entrepreneurship and Innovation, Thinking and Creativity, The Entrepreneur and

Entrepreneurship, The Nature, Significance and Sources of Innovation, The Characteristics of Innovative Enterprises: What do Innovative Enterprises do?, Innovation Management, Building a Sustainable Innovation Based Business, Characteristics and Management of the Evolving Entrepreneurial Organisation.

assessment: continuous assessment of coursework submissions, exam

2462 Introduction to Small Business Management

2 points semester 1
39 hours

The Business Environment, Are you suited to small business?, Ideas and Opportunities, Evaluating the Market, The Marketing Mix, Financial Requirements, Financial Viability, Financial Projections, Legal issues, Setting up in business, Managing the business, Business Planning.

assessment: continuous assessment of coursework submissions, exam

7391 Small Business Finance

2 points semester 2
21 hours lectures, 18 hours project work; self study.

The Small business environment, Financial management of small enterprises, Financial statements and their use by financial managers, Asset management, Financing a small business, Overview of budgeting.

assessment: assignments, 3-hour closed book exam

1929 Small Business Operations

2 points semester 2
60 hours

An Introduction to the Marketing Concept and to Marketing Plans, Competition, Purchaser (Consumer or Organisation), Market Research, Strategy Decisions, Product, Distribution and Operations, Price, Promotion, Audit, Editing Process and Executive Summary

assessment: coursework, exam

4586 Small Business Practice

2 points semester 2

60 hours

Overview of Human Resource Management, Human Resource Planning, The Employment Process, Managing Employees, Employee Relations, The HRM Business Plan.

assessment: coursework, exam

Graduate Diploma in Engineering (Environmental Engineering)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 Except as provided in 1.2 below, an applicant for admission to the course of study for the Graduate Diploma shall:

- (a) have qualified for the degree of Bachelor of Engineering of the University of Adelaide *or*
- (b) hold a qualification accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent to the degree of Bachelor of Engineering of the University of Adelaide *or*
- (c) have been admitted to the course of study for the Graduate Certificate in Engineering (Environmental Engineering). Subjects passed for the Graduate Certificate will then be counted for the Graduate Diploma.

1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma an applicant who does not qualify for admission under 1.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

2.1 To qualify for the Graduate Diploma a candidate shall satisfactorily complete a course of full-time study extending over at least one year or of part-time study over at least two years. Except with the permission of the Faculty the work for the Graduate Diploma shall be completed within three years.

3 Assessment and examinations

3.1 If a subject has a Conceded Pass classification for the purpose of another award, any such subject passed with this classification shall not count towards the requirements for the Graduate Diploma.

3.2 There shall be four classifications of pass in each subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.3 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to attend for examination shall be deemed to have failed the examination.

3.4 A candidate who fails in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

3.5 A candidate who has twice failed in any subject may not enrol for that subject again except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 General

4.1 A candidate who holds the Graduate Certificate in Engineering (Environmental Engineering) shall surrender the Graduate Certificate before being awarded the Graduate Diploma.

5 Subjects of study

5.1 The following shall be subjects for the Graduate Diploma in Engineering (Environmental Engineering).

Group A: compulsory subjects

4611 Environmental Engineering III	2
6648 Environmental Auditing	2
4788 Environmental Processes and Modelling	2
7678 Transport Processes in the Environment	2

Group B: elective subjects

7643	Advanced Engineering Hydrology	2
5534	Advanced Engineering Management	2
9064	Advanced Flood Hydrology	2
7883	Advanced Stochastic Hydrology	2
1768	Advanced Tropical Hydrology	2
4719	Advanced Water Distribution Systems	2
6012	Advanced Water Engineering	2
5980	Advanced Water Resources Management	2
9506	Advanced Water Resources Planning	2
5631	Environmental Economics E	4
4338	Groundwater Resources and Contamination	2
1233	Introduction to Environmental Law	2
1259	Numerical Methods in Environmental Engineering	2
9969	Special Topics in Management and Planning IV	2
9043	Special Topics in Water Engineering IV	2
9309	Systems Planning and Analysis	2
1030	Wastewater Engineering	2
8770	Waste Management	2

6.5 To complete a course of study in a subject a candidate shall, unless exempted by the Head of the Department offering the subject:

- (a) regularly attend the prescribed lectures, tutorials, workshops and seminars *and*
- (b) undertake such computing work, project work, practical work, field work and case studies, do such reading, written and oral work and pass such examinations as the Head of the Department offering the subject may prescribe.

6.6 Each candidate's course of study must be approved by the Head of the Department at enrolment each year.

6 Course of study

- 6.1** To qualify for a Graduate Diploma in Engineering (Environmental Engineering) a candidate shall satisfactorily complete all subjects from Group A in 5 above plus subjects from Group B in 5 above to a value of 16 points.
- 6.2** The subjects presented shall not include any which is, in the opinion of the Faculty, substantially equivalent to another subject presented for the Diploma or already counted towards another qualification.
- 6.3** Should any subject in Group A be covered by 6.2 above then a subject(s) with an equivalent points value from Group B may be substituted with the approval of the Head of Department.
- 6.4** Candidates wishing to enrol in subjects for which they do not have the necessary preliminary knowledge may be required to take such bridging subjects prior to the commencement of their Diploma studies as may be deemed appropriate by the Head of the Department. No academic credit toward the Diploma will be awarded for such studies.

Syllabus

7643 Advanced Engineering Hydrology

2 points not offered in 2000

26 hours contact; directed study

The main emphasis will be placed on the rainfall runoff process and how processes are modelled for use in flood estimation and in low flow hydrology. Aspects of collection and analysis of both rainfall and streamflow data that impinge on engineering decisions resulting from the collection of the data will be discussed.

assessment: exam, tutorial exercises

5534 Advanced Engineering Management

2 points not offered in 2000

26 hours contact; directed study

The main emphasis will be placed on the process of how decisions are made by groups and how the individual can affect the process. The use of group assignments and workshop sessions highlight why communication skills and good interpersonal skills are essential in engineering organisation.

assessment: to be advised

9064 Advanced Flood Hydrology

2 points not offered in 2000

26 hours of contact; guided study

Theory and practice in the application of a number of computer packages which are widely used to solve problems in engineering flood hydrology.

assessment: projects and assignments

7883 Advanced Stochastic Hydrology

2 points not offered in 2000

26 hours contact; directed study

Topics selected from: fitting probability distributions; parameter estimation; kriging; characteristics of hydrologic time series; synthetic data generation; ARIMA models; long term persistence; seasonal models; multi-site models; artificial neural networks applied hydrology.

assessment: exam 70%; assignments 30%

1768 Advanced Tropical Hydrology

2 points not offered in 2000

26 hours contact; directed study

Topics to be selected from: differences between tropical hydrology and humid hydrology; hydrometeorology; hydrological processes; small island hydrology; water balance procedures, groundwater hydrology in the tropics.

assessment: exams 50%; assignments 50%

4719 Advanced Water Distribution Systems

2 points semester 1 or 2

26 hours contact; directed study

Water distribution systems analysis. Steady state analysis of pipe networks. Alternative formulations of equations. Computer solution techniques. Optimisation of pipe networks using genetic algorithms. Water hammer analysis. Pump transients. Water hammer in hydro-electric plants. Water hammer control methods.

assessment: exam 60%; tutorial, project work 40%.

6012 Advanced Water Engineering

2 points semester 1 or 2

26 hours contact; directed study

Advanced topics in fluid mechanics, hydraulic engineering, coastal and groundwater flow analysis. Topics from: diffusion and turbulence, cavitation, valves, porous media flow, unsteady open channel flow, sediment transport, two phase flow, and forces on structures.

assessment: exam 80%; tutorial, project work 20%

5980 Advanced Water Resources Management

2 points semester 1 or 2

26 hours contact; directed study

Topics to be selected from: demands on water resources; demand management; yield assessment of surface and groundwater sources; risk; reliability and sustainability issues; multiobjective evaluation of water resource projects.

assessment: projects and assignments

9506 Advanced Water Resources Planning

2 points semester 1 or 2

26 hours contact; directed study

Topics to be selected from: economic, social and environmental issues in water resources development; use of linear, non-linear and dynamic programming in water resources planning; multipurpose river basin schemes; optimum system operation; capacity expansion models; water quality issues.

assessment: exam 70%; assignments 30%

6648 Environmental Auditing

2 points semester 1 or 2

26 hours lectures, tutorials/technical projects

Topics to be selected from sustainability and sustainable development, greenhouse issues, environmental impact assessment. In addition students will undertake an environmental audit of a commercial/industrial facility

assessment: assignments 100%

5631 Environmental Economics E

4 points full year

39 lectures, 19 tutorials

Introduction to the principles of microeconomics. The basic economic paradigm: unlimited demands and scarce resources. The free market; market failure; externalities in production and consumption; public goods; monopolies. Economic and social decision-making. Distributional impacts of projects including inter-generational effects. The effects of pollution charges and regulation. Depletion and pricing of non-renewable resources. An economic perspective to global environmental issues. Steady state economics.

assessment: exams 50%; assignments 50%

4611 Environmental Engineering III

2 points semester 1

32 hours lectures, tutorials.

assumed knowledge: 5206 Water Engineering and Design II

Water and land contamination; water and wastewater treatment processes; environmental geotechnics.

assessment: exams 70%; coursework 30%

4788 Environmental Processes and Modelling

2 points semester 1 or 2

26 hours lectures, tutorial

Topics to be selected from soil transport and erosion process - this incorporates both movement due to wind and rain, the design of sedimentation ponds, project planning to avoid sediment movement, rehabilitation of mining sites, water quality processes in rivers, lakes and urban areas; the movement of nutrients and other determinants will be included; diffusion and dispersion; modelling processes; coastal environmental issues.

assessment: exam 70%; assignments 30%

4338 Groundwater Resources and Contamination

2 points not offered in 2000

26 hours contact; directed study

Groundwater exploration and well technology; aquifer testing; physical and hydrochemical processes; groundwater yield assessment; groundwater flow and solute transport; groundwater modelling and data requirements.

assessment: exam 70%; assignments 30%

1233 Introduction to Environmental Law

2 points semester 2

26 hours lectures, tutorials

The subject examines regulatory mechanisms that address environmental problems and focuses particularly upon regulation of development. Included are: a general introduction to the law and the legal system; the nature of environmental problems in Australia; constitutional responsibilities and powers with respect to environmental planning and protection; land-use planning and protection systems; environmental impact assessment; regulation of pollution and waste disposal; and environmental litigation.

assessment: to be advised

1259 Numerical methods in Environmental Engineering

2 points semester 1 or 2

26 hours

Introduction to the finite element method and finite difference method of solving fluid flow problems in both groundwater and surface flows, such as

groundwater flow, contaminant movement in groundwater, tidal propagation and currents in rivers and tidal situations. The basic theory and formulation will be given and the techniques illustrated with simple examples. Students will undertake a project to solve a designated problem.

assessment: to be advised at the beginning of semester

9969 Special Topics in Management and Planning IV

2 points semester 1 or 2

26 hours contact; directed study

Advanced topics in engineering management and planning.

assessment: to be advised

9043 Special Topics in Water Engineering IV

2 points semester 1 or 2

26 hours contact; directed study

Advanced topics in water engineering.

assessment: to be advised

9309 Systems Planning and Analysis

2 points not offered in 2000

26 hours contact; directed study

Engineering economics and optimisation techniques applied to civil engineering problems, including water resources planning, environmental engineering and transportation. Techniques discussed will include marginal analysis, linear and non-linear programming and integer programming. A number of case studies will be presented.

assessment: to be advised

7678 Transport Processes in the Environment

2 points semester 2

26 lectures, 13 tutorials

assumed knowledge: 3018 Process Systems

Introduction and basic concepts. Environmental chemicals and properties. Thermodynamics and phase equilibria. Loss Mechanisms. Inter-media transport. Simple exchange models. Air pollution problems. Nuclear chemistry. Environmental modelling. Plume dispersion. Simple Kinetic models.

assessment: exam 80%, assignments 20%

1030 Wastewater Engineering

2 points semester 1

10 lectures, 5 tutorials; project involving 11 hours of directed study

Characteristics of wastewater; effects of pollutants on the aquatic environment; primary secondary and tertiary treatment methods; sludge disposal.

assessment: exam 50 %; project 50 %.

8770 Waste Management

2 points semester 1 or 2

26 hours of contact; directed study

Generation, collection and disposal of solid waste; sanitary landfill; incineration; resource conservation and recovery; fuel recovery. Hazardous waste management; types of hazardous waste; treatment technologies; methods of disposal.

assessment: exam 70%; assignments 30%

Graduate Diploma in Engineering (Fuels, Combustion and Emission Control)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 Except as provided for in 1.2 below, an applicant for admission to the course for the Graduate Diploma shall:

- (a) have qualified in the University of Adelaide for the degree of Bachelor of Engineering (Chemical) or (Mechanical), or Honours degree of Bachelor of Engineering other than the Bachelor of Engineering (Chemical) or (Mechanical), or Honours degree of Bachelor of Science *or*
- (b) have qualified for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent academically and professionally to one of the degrees described in clause 1.1.(a) above *or*
- (c) have qualified in the University of Adelaide for the Ordinary degree of Bachelor of Engineering or Bachelor of Science, or for an award accepted by the Faculty as being equivalent to one of those degrees, and have in addition successfully undertaken advanced studies and/or work in an appropriate area which is considered by the Faculty to be an adequate preparation for candidature.

1.2 The Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose, accept as a candidate for the Graduate Diploma, a person who does not qualify under 1.1 above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

2.1 Except with the special permission of the Faculty, the course for the Graduate Diploma shall be completed in not less than two semesters and not more than four semesters of full-time study, or not less than four and not more than eight semesters of part-time study.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom by the Faculty.

3.4 A candidate who has twice failed any subject may not enrol for that subject again except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule a candidate who is refused permission to sit for examination, or who without a reason accepted by the Executive Dean of the Faculty (or nominee) fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least eight teaching weeks of that semester, shall be deemed to have failed the examination.

4 Course of Study

4.1 To qualify for a Graduate Diploma in Engineering (Fuels, Combustion and Emission Control) a candidate shall satisfactorily complete all subjects in Group A plus subjects from Group B below, to the total value of at least 24 points.

notes

1. Each year the Department of Chemical Engineering shall determine which of the elective subjects in Group B will be offered and in which semester they will be offered.
2. With approval from the Head of Department of Chemical Engineering, a student may undertake

a limited number of subjects offered by other departments or faculties, or by other institutions, to replace some of the elective subjects in Group B.

Group A: core subjects

2723	Chemical Reactions and Pollutant Formation	2
5475	Combustion Heat Transfer	2
6485	Fuel and Combustion Seminars	2
5552	Fuel and Combustion Technology	2
5120	Fuels and Combustion Laboratory Projects II	5
6647	Introduction to Combustion Phenomena	3
3516	Instrumentation and Control for Combustion Processes	2

Group B: elective subject

General

1639	Combustion Emission Control	2
1120	Combustion for High Temperature Processing	2
4529	Combustion Plant Safety and Management	2
7847	Introduction to Combustion Aerodynamics	2

Coal

8791	Coal Combustion in Furnaces	2
4115	Coal Conversion Processes other than Combustion	2
9547	Coal Properties and Characterisation	2

Gas and Oil

8827	Energy Management and Conversion	2
6030	Oil and Gas Combustion Technology	2

5 Status or exemption

- 5.1 A candidate may not present for credit towards the Graduate Diploma any subject which has been presented as part of the requirements for any other award of this University or other institution, or which in the opinion of the Faculty is substantially similar to such subject.

6 Articulation with other awards

- 6.1 Notwithstanding the foregoing Specific Course Rules, a candidate who has been enrolled for the degree of Master of Engineering (Fuels, Combustion & Emission Control), who as such a candidate has completed the work prescribed herein for the Graduate Diploma and who has not been awarded the Master degree, shall on written application be awarded the Graduate Diploma, subject to the student discontinuing candidature for the degree of Master of Engineering (Fuels, Combustion & Emission Control).

Syllabuses

1639 Combustion Emission Control

2 points semester 1 or 2

24 lectures, 12 tutorials

Measurement and monitoring of combustion generated pollutants; pre-combustion, in-situ and post-combustion technologies for pollution control; NO_x control by modifying firing techniques (eg., staged combustion); sorbent injection for SO_x control; ESP; bag house; wet scrubbing.

assessment: final exam, assignments

7847 Introduction to Combustion Aerodynamics

2 points semester 1 or 2

24 lectures, 12 tutorials

Single phase and multi-phase fluid flow; turbulence; jets and their fluid mechanical properties; flow-reaction system analysis and modelling; similarity and scaling; physical modelling and numerical modelling; interaction of combustion and turbulence.

assessment: final exam and assignments

Note: see Master of Engineering (Fuels, Combustion and Emission Control) for further syllabus details

Graduate Diploma in Engineering (Hydrology and Water Resources)

The course for the Graduate Diploma is a Joint Program of the three participating universities, the University of Adelaide, the Flinders University of South Australia, and the University of South Australia, together with two research centres, the Australian Centre for Water Quality Research and the Centre for Groundwater Studies. There is an Hydrology and Water Resources Program Committee comprising a full-time academic representative from each of the three participating universities. A Coursework Coordinator, a full-time member of the academic staff, is appointed at each of the three participating universities by the Program Committee.

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1. Admission requirements

1.1 An applicant for admission to the course of the Graduate Diploma shall:

- (a) have qualified in the University of Adelaide for the Honours Degree of Bachelor of Engineering, Science, Agricultural Science or Applied Science, or the Degree of Bachelor of Engineering in the Honours grade *or*
- (b) have qualified for an award accepted by the Faculty as equivalent, academically and professionally, to the Honours Degree of Bachelor of Engineering, Science, Agricultural Science or Applied Science, or the Degree of Bachelor of Engineering in the Honours grade of the University of Adelaide *or*
- (c) have qualified in the University of Adelaide for the Ordinary Degree of Bachelor of Engineering, Science, Agricultural Science or Applied Science, or for an award accepted by the Faculty as being equivalent to those degrees, and have in addition successfully undertaken advanced studies and/or work in an appropriate area which is considered by the Faculty to be an adequate preparation for candidature.

1.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2. Duration of course

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or the equivalent of part-time study.

3. Approval of course of study

Each candidate's course of study shall be approved by the Faculty at enrolment each year.

4. Course requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete subjects to the value of 22.5 points, as follows:

4.1 Core subjects**

All candidates shall complete the following subjects:

5520	Introductory Unit E	2.5
8095	Computing and Hydraulics	2.5
3040	Hydrogeology	2.5
7783	Surface Hydrology	2.5
7278	Water Quality Fundamentals and Processes	2.5
7103	Water Resources Management	2.5

4.2 Elective subjects**

All candidates shall complete elective subjects to the value of 7.5 points selected from the following:

1713	Advanced Water Quality	2.5
8274	Arid Zone Hydrology	2.5

1159	Flood Hydrology	2.5
9230	Groundwater & Solute Transport Modelling	2.5
3336	Irrigation and Drainage	2.5
6343	Physical Hydrology	2.5
8990	Statistical Analysis in Hydrology	2.5
2983	Tropical Hydrology	2.5
2702	Urban Hydrology	2.5
1050	Water Distribution Systems	2.5
3278	Water Resources Planning	2.5
4618	Water and Wastewater Treatment	2.5

** With the approval of the Head of Department of Civil and Environmental Engineering, a limited number of these subjects may be replaced with other subjects offered by the University of Adelaide, The Flinders University of South Australia or the University of South Australia.

4.3 A candidate may not present for credit towards the Graduate Diploma any subject which has been presented as part of the requirements for any other award of this University or other institution, or which in the opinion of the faculty is substantially similar to such a subject.

5 Status, exemption and credit transfer

5.1 Except with the special permission of the Head of the Department of Civil & Environmental Engineering, no candidate will be granted status in any of the core subjects of the Graduate Diploma except candidates who have been enrolled in the Graduate Certificate in Hydrology and Water Resources.

5.2 No candidate shall be granted status for subjects with a total value of more than 12.5 points.

5.3 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Head of Department of Civil & Environmental Engineering, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

6 Assessment and examinations

6.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

6.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination

6.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

7 Articulation with other awards

7.1 A candidate who has been awarded the Graduate Certificate in Hydrology and Water Resources and who has been granted status toward the Graduate Diploma for subjects presented for the Graduate Certificate must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

7.2 A candidate for the Graduate Certificate who wishes to become enrolled for the Graduate Diploma may receive status for the Graduate Diploma subjects studied as part of the Graduate Certificate.

7.3 A candidate for the degree of M.Eng. (Hydrology and Water Resources) or M.App.Sc. (Hydrology and Water Resources), who satisfies the requirements for the Graduate Diploma but who does not complete the requirements of the degree, may on application, be admitted to the Graduate Diploma.

Syllabus

See Master of Engineering (Hydrology and Water Resources) for syllabus details

Graduate Diploma in Engineering (Radio Frequency Engineering)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 Except as provided in 1.2 below, an applicant for admission to the course for the Graduate Diploma shall:

- (a) have qualified in the University of Adelaide for the degree of Bachelor of Engineering in Electrical & Electronic or Computer Systems Engineering *or*
- (b) have qualified for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent academically and professionally to the degree of Bachelor of Engineering in Electrical & Electronic or Computer Systems Engineering at the University of Adelaide.

1.2 Subject to the approval of the Council, the Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose, accept as a candidate for the Graduate Diploma, a person who does not qualify under 1.1 above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

2.1 The course for the Graduate Diploma shall be offered on a part-time basis only. It is expected that candidates will be able to complete the course in a minimum of six semesters of part-time study.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each core subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass. The Directed Readings shall be assessed on a satisfactory/unsatisfactory basis.

3.2 A candidate shall not be eligible to attend for examination where relevant unless the

prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

3.4 A candidate who has twice failed any subject may not enrol for that subject again except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule a candidate who is refused permission to sit for examination, or who without a reason accepted by the Executive Dean of the Faculty (or nominee) fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least eight teaching weeks of that semester, shall be deemed to have failed the examination.

4 Course of study

4.1 To qualify for a Graduate Diploma in Engineering (Radio Frequency Engineering) a candidate shall satisfactorily complete the subjects listed below, to the total value of 24 points:

(a) core subjects

6883 Antennas and Propagation	3
3584 CAD of RF Circuits and Systems	3
1973 Introduction to RF Design	4
5236 RF Measurements and Testing	3
4020 Transmission Lines and Waveguides	3

(b) directed readings

5062 Readings in RF Engineering 1	4
8272 Readings in RF Engineering 2	4

5 Status or exemption

- 5.1 A candidate may not present for credit towards the Graduate Diploma any subject which has been presented as part of the requirements for any other award of this University or other institution, or which in the opinion of the Faculty is substantially similar to such subject.

6 Articulation with other awards

- 6.1 Notwithstanding the foregoing Specific Course Rules, a candidate who has been enrolled for the degree of Master of Engineering (Radio Frequency Engineering) who as such a candidate has completed the work prescribed herein for the Graduate Diploma and who has not been awarded the Master degree, shall on written application be awarded the Graduate Diploma, subject to the student discontinuing candidature for the degree of Master of Engineering (Radio Frequency Engineering).

Syllabuses

core subjects

6883 Antennas and Propagation

3 points

Theory of radiation, wire antennas, antenna arrays, aperture antennas, broadband antennas, numerical analysis, communications and radar systems, propagation.

3584 CAD of RF Circuits and Systems

3 points

Linear analysis of RF components, non-linear analysis of RF components, device modelling.

1973 Introduction to RF Design

4 points

Passive high frequency components, active high frequency devices, RF systems, RF circuit design, CAD and modelling.

5236 RF Measurements and Testing

3 points

Network analysis, spectrum analysis, noise measurements, active device characterisation.

4020 Transmission Lines and Waveguides

3 points

Distributed components, TEM transmission line analysis, impedance matching, transmission line components, waveguides, excitation of waveguides, waveguide circuit theory, resonant structures.

directed readings

5062 Readings in RF Engineering 1

4 points

Directed readings, with assessment, in an area of RF technology chosen from: fibre-optics and photonics, satellite communications, wireless and radio systems, high power HF and VHF engineering or other relevant areas of RF technology.

8272 Readings in RF Engineering 2

4 points

Directed readings, with assessment, in RF related topics chosen from: propagation, computational electromagnetics, radar techniques, electromagnetic compatibility or other relevant areas.

Graduate Diploma in Engineering (Structural Engineering)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 Except as provided in 1.2 below, an applicant for admission to the course of study for the Graduate Diploma shall:

- (i) have qualified for the degree of Bachelor of Engineering (Civil & Environmental) of the University of Adelaide *or*
- (ii) hold a qualification accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent to the degree of Bachelor of Engineering (Civil & Environmental) of the University of Adelaide *or*
- (iii) have been admitted to the course of study for the Graduate Certificate in Engineering (Structural Engineering). Subjects passed for the Graduate Certificate will then be counted for the Graduate Diploma.

1.2. Subject to the approval of the Council, the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma an applicant who does not qualify for admission under 1.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

2.1 To qualify for the Graduate Diploma a candidate shall satisfactorily complete a course of full-time study extending over at least one year or its part-time equivalent. Except with the permission of the Faculty the work for the Graduate Diploma shall be completed within three years.

3 Status and exemption

3.1 A candidate who desires that examinations which he or she has passed in the University or elsewhere be counted for the Graduate Diploma in Engineering (Structural Engineering) may on written application be granted such exemption from the requirements of these regulations as the

Faculty may determine. Otherwise, no subject counted for any other award of this University or other institution shall be counted as part of the requirements for the Graduate Diploma.

4 Assessment and examinations

4.1 There shall be four classifications of pass in each subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass. If a subject has a Conceded Pass classification for the purpose of another award, any such subject passed with this classification shall not count towards the requirements for the Graduate Diploma.

4.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to attend for examination shall be deemed to have failed the examination.

4.3 A candidate who fails (or obtains a conceded pass) in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

4.4 A candidate who has twice failed or obtained conceded passes in any subject may not enrol for that subject again except by special permission of the Faculty and then only under such conditions as may be prescribed.

5 Subjects of study

5.1 The following shall be subjects for the Graduate Diploma in Engineering (Structural Engineering):

Group A - Compulsory Subjects

4967 Structural Design III (Concrete)	3
6859 Structural Design III (Steel)	3
8256 Advanced Structural Investigation	6

Group B - Elective Subjects

1130	Advanced Composite Steel and Concrete Construction	2
8441	Advanced Steel Design	2
8849	Computer Methods of Structural Analysis	2
2414	Design of Concrete Structures	2
6437	Earthquake Engineering	2
6853	Special Topics in Structural Engineering IV	2

6 Course of Study

- 6.1** To qualify for the Graduate Diploma in Engineering (Structural Engineering) a candidate shall satisfactorily complete all subjects from Group A above plus subjects from Group B to a value of at least 12 points.
- 6.2** The subjects presented shall not include any subject which is, in the opinion of the Faculty, substantially equivalent to another subject presented for the Diploma or already counted towards another qualification.
- 6.3** Should any subject in Group A be covered by 6.2 above then subject(s) with an equivalent points value from Group B may be substituted with the approval of the Head of Department.
- 6.4** Candidates wishing to enrol in subjects for which they do not have the necessary preliminary knowledge may be required to take such bridging subjects prior to the commencement of their Diploma studies as may be deemed appropriate by the Head of the Department. No academic credit toward the Diploma will be awarded for such studies.
- 6.5** To complete a course of study in a subject a candidate shall, unless exempted by the Head of the Department offering the subject:
- regularly attend the prescribed lectures, tutorials, workshops and seminars; and
 - undertake such computing work, project work, practical work, field work and case studies, do such reading, written and oral work and pass such examinations as the Head of the Department offering the subject may prescribe.
- 6.6** Each candidate's course of study must be approved by the Head of the Department at enrolment each year.

Syllabuses

1130 Advanced Composite Steel and Concrete Construction

2 points semester 1 or 2

26 hours contact; directed study

The design, upgrading and assessment of composite steel and concrete structure in buildings and bridges. Building Project consists of the design of new composite elements, upgrading an existing beam to resist larger loads, and the assessment of the effect of inserting a service duct in existing beams. Bridge Project consists of linear elastic and fatigue analysis techniques, designing a new composite bridge beam for static and fatigue loads, assessing the remaining strength and endurance of existing composite beams, and determining the effect of remedial work on the strength and endurance of existing beams.

assessment: building design project 35%; bridge design project 35%; open book exam based on design projects 30%

8441 Advanced Steel Design

2 points semester 1 or 2

26 hours plus directed study

Students will carry out a design or a series of designs in which topics not covered in 6859 Structural Design III (Steel) will be emphasised. In particular, (using AS4100 chapter headings): section 4: Compression member design, determining effective length etc; section 5: local web buckling; section 8: combined actions; section 9: connections; section: fatigue.

assessment: project work 100%

8256 Advanced Structural Investigation

6 points full year

120 hours research and directed study

Research project in advanced structural concepts.

assessment: research project

8849 Computer Methods of Structural Analysis

2 points not offered in 2000

26 hours contact; directed study.

Selected topics from: Stiffness method of linear analysis of plane and space frameworks. Stiffness matrix assembly and solution for arbitrary assemblages. Computer modelling of real structures will be covered and software will be used to solve

simple problems. Introduction to finite element methods of analysis.

assessment: to be advised

2414 Design of Concrete Structures

2 points semester 1 or 2

26 hours contact; directed study

Topics to be chosen from the following: structural concrete and prestressed concrete; use of equivalent loads and load balancing in designing and repairing concrete structures; hyperstatic effects in prestressed concrete structures; design procedures for partially and fully prestressed structures; practical applications of plasticity theory to the design of concrete structures; creep and shrinkage effects in concrete structures; design of slabs and floor systems; bridge girders; precast construction; pretensioned composite construction; building pathology; diagnosis and assessment of defective concrete structures.

assessment: tutorial work 30%; exam 70%

6437 Earthquake Engineering

2 points semester 1 or 2

26 hours contact; directed study

The subject will cover the basic concepts of analysis of structures subject to earthquake loads. Simple examples will be used to illustrate the concepts. Practical aspects of computer analysis will be emphasised throughout the course with students using 'state-of-the-art' commercial software to solve tutorial problems. Special reference will also be made to the Australian Earthquake Code; its use, background and limitations.

assessment: to be advised

6853 Special Topics in Structural Engineering IV

2 points semester 1 or 2

26 hours contact; directed study

Advanced topics in structural engineering.

assessment: to be advised

4967 Structural Design III (Concrete)

3 points semester 2

48 hours lectures, design work, tutorials

Design methodology, preliminary design procedures, simplified methods of analysis of framed buildings and approximate proportioning methods, presentation of

design calculations for concrete structures. Application of plasticity concepts to concrete structures. Detailed design procedures for reinforced concrete structures including beams, slab systems and columns. Students will undertake substantial design projects to apply lecture material.

assessment: to be advised at beginning of semester

6859 Structural Design III (Steel)

3 points semester 1

48 hours

Design methodology, preliminary design procedures, presentation of design calculations, detailed design procedures for steel structures. A major steel structure design project is undertaken.

assessment: details advised at beginning of year

Master of Applied Science

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 The following may be accepted as a candidate for the degree:

- (a) a person who has qualified in the University of Adelaide for the Honours degree of Bachelor of Science, Applied Science or Agricultural Science
- (b) a person who holds a qualification accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent to that of 1.1(a) above *or*
- (c) a person who has qualified in the University of Adelaide for the degree of Bachelor of Science, Applied Science or Agricultural Science or who holds another academic qualification accepted by the Faculty as being sufficient. Persons admitted under this Rule may not be awarded the degree before the expiration of two years from the date of qualification for candidature, and will normally be required to carry out preliminary work at Honours standard as set out in 4 below.*

* note: the purpose of this requirement is to allow a candidate who does not have qualifications acceptable under (a) or (b) above to acquire additional competence through study or experience.

1.2 With the approval of the Board of Graduate Studies, acting with authority wittingly devolved to it by Council the Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not qualify under 1.1 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

1.3 A candidate may be admitted on probation. The period of probation shall not exceed six months in the case of a full-time candidate nor twelve months in the case of a part-time candidate. At the end of the period each candidate's performance shall be reviewed by the Faculty and the candidature confirmed, with or without special conditions, or terminated.

2 Review of academic progress

2.1 A candidate's progress shall be reviewed by the Faculty at the end of each academic year. If, in the opinion of the Faculty a candidate is not making satisfactory progress the Faculty may, with the consent of the Council, terminate the candidature.

3 Qualification requirements

3.1 To qualify for the degree a candidate shall:

- (a) on completion of any preliminary work which may be prescribed in the Specific Course Rules and after consultation with the Head of the Department in which the majority of the work falls, submit in writing for approval by the Faculty, the program of study as prescribed in the Specific Course Rules and designed to extend over either one calendar year if taken full-time or not less than two and not more than five calendar years if taken part-time
- (b) undertake the approved program of study under the direction of a supervisor or supervisors who shall be members of the full-time academic staff of the University and appointed by the Faculty, but in special circumstances the Faculty may also appoint an external supervisor:
- (c) pass such examination on the course of study as may be required by the Faculty *and/or*
- (d) present a thesis embodying the results of the project as prescribed in 3.3 below.

3.2 (a) Except by permission of the Faculty or as prescribed in these Rules, the whole of the work for the degree must be completed within the University.

- (b) Subject to such conditions as it may determine in each case, the Faculty may permit project work to be undertaken outside the University provided that it can be satisfied:

- (i) that this will result in mutual academic benefit to the candidate and the supervising department
- (ii) that there will be adequate contact and interaction between the candidate and the candidate's supervising department *and*
- (iii) that the supervisor's access to any experimental work, the candidate's availability for seminars and other discussions, and the publication of results will not thereby be prejudiced.

- 3.3 (a) On completion of the project work the candidate shall lodge three copies of the thesis prepared in accordance with directions given to candidates from time to time
- (b) Unless the Faculty expressly approves an extension of time in a particular case the thesis shall be submitted within six months of the completion of the candidate's program
- (c) Two examiners will be appointed who should normally satisfy the following requirements:
- (i) at least one shall be external to the University
 - (ii) at least one shall be an academic member or affiliate of a tertiary institution
 - (iii) a candidate's supervisor/s shall not be eligible to act as an examiner.
- A supporting statement shall be put forward to the Higher Degrees Committee for nominations that fall outside these guidelines.
- (d) The examiner may recommend that:
- (i) the thesis be accepted *or*
 - (ii) the thesis be accepted but that minor amendments be made to the thesis *or*
 - (iii) the thesis be accepted subject to specified amendments being made to the thesis, to the satisfaction of the University *or*
 - (iv) the thesis not be accepted but the candidate be permitted to re-submit the thesis in a revised form *or*
 - (v) the thesis be rejected.

- 3.4 A candidate who fulfils the requirements of these regulations may, on the recommendation of the Faculty, be admitted to the degree of Master of Applied Science.

4 Preliminary work

- 4.1 A person whose qualifications have been accepted under either 1.1 (a) or 1.1 (b) above, shall be deemed to have satisfied the requirements of this Rule.
- 4.2 Before being admitted either under 1.1(c) or 1.2 above a person shall complete the requirements of this Rule by undertaking, and satisfying the examiners in, such courses of study and/or other work as may be prescribed by the Faculty.

5 Course of study

note: Under the Specific Course Rules, a program of study for the degree may comprise any combination of coursework and project work ranging from all coursework to all project work. Currently only three options are offered.

- 5.1 To qualify for the degree, a candidate shall satisfactorily complete a program of study consisting of one of the following approved options:
- (a) An all research work program comprising Supervised Project Work to the value of 24 points
 - (b) A one-third coursework program comprising Supervised Project Work to the value of 16 points and coursework to the value of at least 8 points
 - (c) A two-thirds coursework program comprising Supervised Project Work to the value of 8 points and coursework to the value of at least 16 points.

6 Classification of subjects

- 6.1 Subjects forming part of any coursework component for the degree shall be classified as follows:

Group A: postgraduate subjects

These are subjects offered at a postgraduate level either in the School of Engineering, in another faculty or school, or at another Institution. These include postgraduate subjects in the School of Engineering, Honours and approved postgraduate diploma subjects in the Faculty of Science and School of Mathematical and Computer Sciences, and Postgraduate subjects at Flinders University or the University of South Australia.

Group B: advanced level subjects

These are subjects at Level IV in the School of Engineering which have been designated as 'Advanced Level' by the Department concerned. They are subjects which reach an advanced level of expertise in the subject material.

Subject to the approval of the Faculty, subjects from outside the School of Engineering may also be included in this category.

Group C: ordinary level subjects

These are subjects at either Level III or Level IV in the School of Engineering which are not designated 'Advanced Level', or subjects at Level III in the Faculty of Science and School of Mathematical and Computer Sciences, or approved final year undergraduate subjects from other Faculties or institutions.

7 Coursework requirements

note: This Rule sets out the policies for the administration of the degree of Master of Applied Science with a coursework component. The Faculty may approve minor variations to these requirements in exceptional circumstances.

- 7.1 A candidate seeking to enrol in a program of study with a coursework component shall, after consulting the Head of the department (or nominee) in which the majority of the candidate's work falls, submit the proposed program to the Faculty for approval.
- 7.2 For a one-third coursework degree, the program may not contain more than a total of 6 points of subjects from Groups B and C, whereas a two-thirds coursework degree may not contain more than a total of 8 points of subjects from Groups B and C.
- 7.3 For a one-third coursework degree, the program may not contain more than 6 points of subjects from outside the School of Engineering*, whereas a two-thirds coursework degree may not contain more than 8 points of subjects from outside the School of Engineering.
- * For the purposes of this policy, the School of Engineering is deemed to include all Centres and joint ventures of which the School, or its constituent departments, is a formal partner.
- 7.4 A coursework program may contain greater than the minimum number of required points, in which case the determination of whether the coursework requirements have been satisfied or not will include only the best results from eligible subjects amounting to the required number of points.

7.5 There shall be four classifications of pass in each subject for the Master of Applied Science: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass. If a subject has a Conceded Pass classification for the purpose of another award, any such subject passed with this classification shall not count towards the requirements for the degree of Master of Applied Science.

7.6 A subject shall be eligible to be counted for credit towards the coursework requirements of the degree if:

- (a) In Groups A and B the grade obtained is at Pass standard (50%) or higher
- (b) In Group C the grade obtained is 60% or higher.

7.7 To satisfy the coursework requirements of the degree, a candidate must obtain a weighted average, taken over the best results in eligible subjects which together amount to the required number of points, of at least 55%.

7.8 Subjects which have been presented as part of the requirements for any other award of this University or other institution or subjects which in the opinion of the Faculty are substantially similar to such subjects, will not be permitted to count for credit towards the coursework requirements of this degree.

8 Subjects of study

8.1 The subjects for the Master of Applied Science are the same as those for the Master of Engineering Science.

Syllabus

The Syllabuses for the degree of Master of Applied Science are the same as those for the degree of Master of Engineering Science.

Master of Applied Science (Hydrology and Water Resources)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 The following may be accepted as a candidate for the degree:

- (a) a person who has qualified in the University of Adelaide for the Honours Degree of Bachelor of Science, Agricultural Science or Applied Science *or*
- (b) a person who holds a qualification accepted by the Faculty of Engineering, Computer and Mathematical Sciences as equivalent to the Honours Degree of Bachelor of Science, Agricultural Science or Applied Science of the University of Adelaide *or*
- (c) a person who has qualified in the University of Adelaide for the Ordinary Degree of Bachelor of Science, Agricultural Science or Applied Science or who holds a qualification accepted by the Faculty as equivalent to those degrees of the University of Adelaide and who has, in addition, successfully undertaken advanced studies and/or work in an appropriate area which is considered by the Faculty to be an adequate preparation for candidature.

1.2 With the approval of the Board of Graduate Studies acting with authority wittingly devolved to it by Council the Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not qualify under 1.1 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Duration of course

2.1 Except with the special permission of the Faculty the course for the degree shall be completed in not less than one year and not more than two years of full-time study or not less than two and not more than four years of part-time study.

3 Status, exemption and credit transfer

3.1 A candidate may not present for credit towards the degree any subject that has been presented as part of the requirements for any other award of this University or other institution, or which in the opinion of the Faculty is substantially similar to such subject.

4 Assessment and examinations

4.1 There shall be four classifications of pass in each subject for the degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass. Students shall be required to attain at least a Division I pass in each of the core subjects of the Masters Degree Program, in order to proceed to the elective subjects and supervised research thesis/project phase, unless this requirement is waived by the Faculty.

4.2 Except with the permission of the Faculty no candidate may attempt a subject more than twice.

4.3 Subject to such conditions as it may determine in each case, the Faculty may permit the supervised research thesis/project to be undertaken outside The University of Adelaide provided that it can be satisfied that:

- (a) this will result in mutual academic benefit to the candidate and the Faculty
- (b) there will be adequate contact and interaction between the candidate and the candidate's internal supervisor *and*
- (c) the supervisor's access to any experimental work, the candidate's availability for seminars and other discussions, and the publication of results will not thereby be prejudiced.

4.4 The research thesis/project shall be supervised by either:

- (a) one or more full-time members of the academic staff of Flinders University, the University of South Australia or the University of Adelaide appointed by the Faculty (on the recommendation of the Program Committee) *or*

- (b) in special circumstances, a suitably qualified person having a close association with the universities appointed by the Board of Graduate Studies on the recommendation of the Faculty.

If more than one supervisor is appointed, one of them shall be nominated as the chief supervisor.

4.5 For each student and on the recommendation of the Program Committee the Faculty shall appoint

- (a) two Examiners of the research thesis/project who shall report their findings to the Faculty *and*
- (b) an Assessment Committee representative of both the coursework teaching staff and the research thesis/project supervisor(s) which, taking account of the candidate's examination results and the report of the Examiners, shall make to the Faculty one of the following recommendations:
- (i) That the degree of Master of Applied Science (Hydrology and Water Resources) be awarded *or*
- (ii) That the degree should be awarded subject to such minor amendments to the research thesis/project as may be specified *or*
- (iii) That the degree should not be awarded but that the candidate should be permitted to resubmit the research thesis/project or take such further examination as the Faculty shall prescribe or both *or*
- (iv) That the degree should not be awarded but that the candidate be awarded the Graduate Certificate in Engineering (Hydrology and Water Resources) *or*
- (v) That no award be made.

5 General

5.1 A candidate who holds a Graduate Certificate or Diploma in Engineering (Hydrology and Water Resources) shall surrender the Graduate Certificate or Diploma before being admitted to the degree of Master of Applied Science (Hydrology and Water Resources).

6 Preliminary work

6.1 A person whose qualifications have been accepted under either 1.1(a) or 1.1(b) above shall be deemed to have satisfied the requirements of this Rule.

6.2 Before being admitted either under 1.1 (c) or 1.2 above a person shall complete the requirements of this Rule by undertaking, and satisfying the examiners in, such courses of study and/or other work as may be prescribed by the Faculty.

7 Course of study

7.1 To qualify for the degree, a candidate shall satisfactorily complete a program of study consisting of one of the following options:

- (a) A two-thirds coursework program comprising Supervised Project Work to the value of 10 points and coursework to the value of at least 20 points
- (b) A five-sixths coursework program comprising Supervised Project Work to the value of 5 points and coursework to the value of at least 25 points.

8 Coursework requirements

8.1 The course shall comprise:

either

(a) compulsory core subjects	15
elective subjects	5
Research Thesis	10

or

(b) compulsory core subjects	15
elective subjects	10
Research Project	5

To satisfy the coursework requirements of the Degree, a candidate must attain at least a Division 1 Pass in all eligible subjects, which together amount to the required number of points.

9 Subjects of study

9.1 The subjects for the Master of Applied Science (Hydrology and Water Resources) are the same as those for the Master of Engineering (Hydrology and Water Resources).

Syllabus

See Master of Engineering (Hydrology and Water Resources) for syllabus details

Master of Engineering

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 Subject to these Specific Course Rules, a person who has been admitted in the University of Adelaide to the degree of Bachelor of Engineering in the Honours grade or Pass grade may proceed to the degree of Master of Engineering; provided that persons who have or have had a substantial association with the University may be accepted as candidates for the degree on such conditions as the Faculty may prescribe.

2 Qualification requirements

2.1 To qualify for the degree a candidate shall:

- (a) submit in writing for approval by the Faculty of Engineering, Computer and Mathematical Sciences the subject on which the candidate proposes to present a thesis
- (b) not earlier than one year after the approval of the subject by the Faculty, present a thesis which should be a significant contribution to the practice of engineering.* The thesis may be:
 - (i) an original design for some engineering work *or*
 - (ii) an account, giving evidence of ability on the part of the candidate to cope successfully with engineering difficulties, of some engineering work for the design or construction of which the candidate has been largely responsible *or*
 - (iii) an account of some original research, development, inquiry or investigation made by the candidate into some matter involved with engineering;
- (c) if so required by the Faculty, adduce evidence to its satisfaction of the originality of, and the degree of the candidate's responsibility for, the work embodied in the thesis *and*

(d) if so required by the Faculty pass an examination, written or oral or both, in the field of study immediately relevant to the thesis.

2.2 (a) On completion of the work the candidate shall lodge three copies of the thesis prepared in accordance with directions given to candidates from time to time. Refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume.

(b) Unless the Faculty expressly approve an extension of time in a particular case the thesis shall be submitted within four years from the date of approval of the candidate's subject by the Faculty.

(c) Two examiners will be appointed who should normally satisfy the following requirements:

- (i) at least one shall be external to the University
- (ii) at least one shall be an academic member or affiliate of a tertiary institution

A supporting statement shall be put forward to the Higher Degrees Committee for nominations that fall outside these guidelines.

(d) The examiner may recommend that:

- (i) the thesis be accepted *or*
- (ii) the thesis be accepted but that minor amendments be made to the thesis *or*
- (iii) the thesis be accepted subject to specified amendments being made to the thesis, to the satisfaction of the University *or*
- (iv) the thesis not be accepted but the candidate be permitted to re-submit the thesis in a revised form *or*
- (v) the thesis be rejected.

2.3 A candidate who fulfils the requirements of these Rules and satisfies the examiners under 2.1 and 2.2 above may, on the recommendation of the Faculty, be admitted to the degree of Master of Engineering.

* **Note:** Contributions should be clearly recognisable as more than competent applications of standard engineering practice and should usually be related to professional work done outside the University. No provision is made for academic supervision.

Master of Engineering (Fuels, Combustion and Emission Control)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 Except as provided for in 1.2 below, an applicant for admission to the course shall:

- (a) have qualified in the University of Adelaide for the degree of Bachelor of Engineering (Chemical) or (Mechanical), or Honours degree of Bachelor of Engineering other than the Bachelor of Engineering (Chemical) or (Mechanical), or Honours degree of Bachelor of Science or
- (b) have qualified for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent academically and professionally to one of the degrees described in clause 1.1.(a) above or
- (c) have qualified in the University of Adelaide for the Ordinary degree of Bachelor of Engineering or Bachelor of Science, or for an award accepted by the Faculty as being equivalent to one of those degrees, and have in addition successfully undertaken advanced studies and/or work in an appropriate area which is considered by the Faculty to be an adequate preparation for candidature.

1.2 The Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose, accept as a candidate for the degree of Master of Engineering (Fuels, Combustion and Emission Control), a person who does not qualify under 1.1 above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Duration of course

2.1 Except with the special permission of the Faculty, the course for the Master of Engineering (Fuels, Combustion and Emission Control) shall be completed in not less than three semesters and not more than six semesters of full-time study, or

not less than six and not more than twelve semesters of part-time study.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each subject for the Master of Engineering: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

3.4 A candidate who has twice failed any subject may not enrol for that subject again except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule a candidate who is refused permission to sit for examination, or who without a reason accepted by the Executive Dean of the Faculty (or nominee) fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least eight teaching weeks of that semester, shall be deemed to have failed the examination.

4 Course of study

4.1 To qualify for the degree Master of Engineering (Fuels, Combustion and Emission Control), a candidate shall satisfactorily complete all subjects in Group A plus subjects from Group B in one of three modules below, to the total value of at least 36 points.

notes:

1. Each year the Department of Chemical Engineering shall determine which of the elective subjects in Group B will be offered and in which semester they will be offered.
2. With approval from the Head of Department of Chemical Engineering, a student may undertake a limited number of subjects offered by other Departments or Faculties, or by other institutions, to replace some of the elective subjects in Group B.

Group A: core subjects

1337	Advanced Combustion Aerodynamics	2
5102	Advanced Research/Design Projects	12
2723	Chemical Reactions and Pollutant Formation	2
5475	Combustion Heat Transfer	2
6485	Fuels and Combustion Seminars	2
5552	Fuels and Combustion Technology	2
5120	Fuels and Combustion Laboratory Projects II	5
3516	Instrumentation and Control for Combustion Processes	2
6647	Introduction to Combustion Phenomena	3

Group B: elective subjects

General

2286	Advanced Combustion Diagnostic Techniques	2
7971	Advanced Combustion Emission Control	2
1120	Combustion for High Temperature Processing	2
4529	Combustion Plant Safety and Management	2
8700	New and Alternative Fuels	2

Coal

8791	Coal Combustion in Furnaces	2
4115	Coal Conversion Processes other than Combustion	2
9547	Coal Properties and Characterisation	2

Gas and Oil

8827	Energy Management and Conversion	2
6030	Oil and Gas Combustion Technology	2

5 Status or exemption

- 5.1 A candidate may not present for credit towards the degree any subject which has been presented as part of the requirements for any other award of this University or other institution, or which in the opinion of the Faculty is substantially similar to such subject.

Syllabuses

1337 Advanced Combustion Aerodynamics

2 points semester 1 or 2

24 lectures, 12 tutorials

Reactive single phase and multi-phase fluid flow; turbulence theory experiment and measurement; mathematical modelling and numerical solution; computational fluid dynamic simulation packages and their application in combustion; physical modelling and experiments for validation of numerical solutions.

assessment: final exam and assignments

2286 Advanced Combustion Diagnostic Techniques

2 points semester 1 or 2

24 lectures, 12 tutorials

Probe methods and related special techniques; optical measurement techniques; temperature, pressure, concentration and particulate measurements; combustion diagnosis by non-intrusive (laser) methods (CARS & LIF); measurements of trace elements and radicals; data analysis and modelling.

assessment: final exam

7971 Advanced Combustion Emission Control

2 points semester 1 or 2

24 lectures, 12 tutorials

Properties of combustion generated pollutants and their impact on emission control technologies; selected topics on various emission control technologies being used or developed; impact emission control on the environment; integration of emission control technology into the processes concerned; economic and social implications.

assessment: final exam and assignments

5102 Advanced Research/Design Projects

12 points semester 1 or 2

12 lectures, 40 tutorials, 300 hours of practical work/research and seminar

Lecture topics comprise sources and estimation of data; costing and economic analysis of alternative proposals; process selection, sizing, design and optimisation of equipment and process; project scheduling and control; plant operation and safety considerations.

Design projects involve the economic comparison of alternative fuel and combustion processes; the study of a selected process; calculation of material and energy balances; preparation of flow sheets; design of selected plant items; estimation of plant cost; safety and environmental impact studies; preparation of design report and drawing plant layout; design, construction and demonstration of laboratory-seal prototype combustion devices may also be taken as a design project.

While undertaking this subject, each student must visit at least eight approved industrial facilities. A plant tour may be arranged by the Department.

assessment: to satisfactorily complete a research project, submit a written report on a topic specified by the Department, present a seminar on project results; quiz

2723 Chemical Reactions and Pollutant Formation

2 points semester 1 or 2

24 lectures, 12 tutorials

Fuel chemistry and reactions of trace elements; formation of NO_x , SO_x halogens, PAH, PCB, heavy metal emission; dust emissions; emission control technologies.

assessment: final exam

1120 Combustion for High Temperature Processing

2 points semester 1 or 2

24 lectures, 12 tutorials

Combustion in kilns for cement, glass, aluminium processing; blast furnace for iron and steel making; burner and kiln/furnace design; combustion calculations and fuel economy.

assessment: final exam and assignments

5475 Combustion Heat Transfer

2 points semester 1 or 2

24 lectures, 12 tutorials

An overview of conduction, convection and radiation heat transfer; heat transfer modes of various types of burners/flames; heat transfer analysis in combustion systems.

assessment: final exam and assignments

4529 Combustion Plant Safety and Management

2 points semester 1 or 2
24 lectures, 12 tutorials

Types of explosions; properties of explosions (auto-ignition temperature, minimum ignition energy etc); industrial explosion hazards and case studies; dust explosions; vapour cloud explosions; fuel leakage and control; fuel handling; legal, environmental and ecological considerations in the use of fuels; treatment and disposal of combustion effluent, recycle possibilities; statutory requirements and environmental regulations.

assessment: final exam and/or essay

8791 Coal Combustion in Furnaces

2 points semester 1 or 2
24 lectures, 12 tutorials

Types of burners and design; pulverised coal flames; furnace construction and refractories; heat balance and efficiency; convection and radiation transfer; treatment of radiation in furnaces; emitters in coal fired furnaces; surface emissivity and thermal conductivity of ash layer; use of the well-mixed model in quantifying the effect of fuel changes (from oil to gas and coal) and operational changes; coal blending and switching; the zone method of analysis; flames and jets; entrainment and mixing; swirled jets; modelling of flame processes and furnace heat transfer.

assessment: final exam and assignments

4115 Coal Conversion Processes other than Combustion

2 points semester 1 or 2
24 lectures, 12 tutorials

Coal gasification and liquefaction; coke making; thermal decomposition and pyrolysis; coal for chemical manufacture.

assessment: final exam

9547 Coal Properties and Characterisation

2 points semester 1 or 2
18 lectures, 9 tutorials, 12 hours practical exercises

Coal geology and ranking classification; proximate and ultimate (elemental) analysis; coal structure; microscopic analysis of coal; coal reactivity; laboratory techniques for coal reactivity analysis and estimation.

assessment: final exam and assignments

8827 Energy Management and Conversion

2 points semester 1 or 2
24 lectures, 12 tutorials

Energy balance and efficiency analysis for process systems; energy conservation and saving; waste heat and low-grade energy utilisation; new and alternative fuels; renewable energy sources.

assessment: final exam and assignments

5120 Fuels and Combustion Laboratory Projects II

5 points semester 1 or 2
100 hours project work

A series of laboratory projects illustrating properties of fuels; combustion phenomena; combustion measurement; ignition and explosion; pollutant formation; monitoring and control; material and energy balance.

assessment: project reports

6485 Fuels and Combustion Seminars

2 points semester 1 or 2
Tutorials (discussion with Supervisors)

Essay to be prepared on a topic in relation to fuel and combustion science, technology and environmental effects, followed by a short presentation based on the essay.

assessment: 5000 word essay 50%; presentation 50%

5552 Fuels and Combustion Technology

2 points semester 1 or 2
24 lectures, 12 tutorials

Sources, properties and classification of fuels and energy sources; analysis of gaseous, liquid and solid fuels, combustion mechanisms including air requirements; mixing and ignition in burners, and atomisation and oil combustion, coal combustion in suspension and in beds; thermal design of furnaces and boilers.

assessment: exam and assignments

3516 Instrumentation and Control for Combustion Processes

2 points semester 1 or 2
24 lectures, 12 tutorials

Thermocouple temperature measurements and analysis; suction pyrometer and other temperature

measurement techniques; isodynamic sampling of gases and solids; oxygen and carbon oxides analysers; radiation and heat flux measurements; analysis of NO_x and SO_x and other gaseous pollutants; igniter and flame detector; fuel:air ratio adjustment and combustion control; pressure measurement; fuel leakage detection; common combustion control systems.

assessment: exam and assignments

6647 Introduction to Combustion Phenomena

3 points semester 1 or 2

36 lectures, 18 tutorials

Chemical reactions and stoichiometry; material and energy balance; equilibrium; thermal, branched chain and chain-thermal ignition; combustion kinetics; gaseous combustion (pre-mixed and diffusion flames); flame structure and propagation; liquid combustion (pool burning and droplet burning); solid combustion (thermal decomposition and mass burning processes); spontaneous combustion; explosions of gases and dust clouds; detonation; fire; propellants; explosives and pyrotechnics.

assessment: exam and assignments

8700 New and Alternative Fuels

2 points semester 1 or 2

24 lectures, 12 tutorials

Less common fuels (other than coal, oil and natural gas) including organic rich industrial and agricultural wastes (biomass); low-specific energy gas; oil sludge; sewage sludge; petroleum coke; manufactured fuels (eg., methanol etc.) bio-gas; combustion of these fuels and related emissions.

assessment: exam and assignments

6030 Oil and Gas Combustion Technology

2 points semester 1 or 2

24 lectures, 12 tutorials

Properties of oil and gaseous fuels and combustion air requirements; fuel and air mixing in burners; type of burners; combustion calculations; fuel handling and flame control; energy balance and efficiency; ignition and igniter; furnace design.

assessment: final exam

Master of Engineering (Hydrology and Water Resources)

The course is a Joint Program of the three participating universities, the University of Adelaide, The Flinders University of South Australia, and the University of South Australia, together with two research centres, the Australian Centre for Water Quality Research and the Centre for Groundwater Studies. There is an Hydrology and Water Resources Program Committee comprising a full-time academic representative from each of the three participating universities. A Coursework Coordinator, a full-time member of the academic staff, is appointed at each of the three participating universities by the Program Committee.

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 The following may be accepted as a candidate for the degree:

- (a) a person who has qualified in the University of Adelaide for the Honours Degree of Bachelor of Engineering or the Degree of Bachelor of Engineering in the Honours grade *or*
- (b) a person who holds a qualification accepted by the Faculty as equivalent to the Honours Degree of Bachelor of Engineering or the Degree of Bachelor of Engineering in the Honours grade of the University of Adelaide *or*
- (c) a person who has qualified in the University of Adelaide for the Ordinary Degree of Bachelor of Engineering, or who holds a qualification accepted by the Faculty of Engineering, Computer and Mathematical Sciences as equivalent to the Ordinary Degree of Bachelor of Engineering in the University of Adelaide and who has, in addition, successfully undertaken advanced studies and/or work in an appropriate area which is considered by the Faculty to be an adequate preparation for candidature.

1.2 With the approval of the Board of Graduate Studies acting with authority wittingly devolved to it by Council the Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not qualify under 1.1 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Duration of course

2.1 Except with the special permission of the Faculty the course for the degree shall be completed in not less than one year and not more than two years of full-time study or not less than two and not more than four years of part-time study.

3 Status, exemption and credit transfer

3.1 A candidate may not present for credit towards the degree any subject that has been presented as part of the requirements for any other award of this University or other institution, or which in the opinion of the Faculty is substantially similar to such subject.

4 Assessment and examinations

4.1 There shall be four classifications of pass in each subject for the degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass. Students shall be required to attain at least a Division I pass in each of the core subjects of the Masters Degree Program, in order to proceed to the elective subjects and supervised research thesis/project phase, unless this requirement is waived by the Faculty.

4.2 Except with the permission of the Faculty, no candidate may attempt a subject more than twice.

4.3 Subject to such conditions as it may determine in each case, the Faculty may permit the supervised research thesis/project to be undertaken outside the University of Adelaide provided that it can be satisfied that:

- (a) this will result in mutual academic benefit to the candidate and the Faculty
- (b) there will be adequate contact and interaction between the candidate and the candidate's internal supervisor *and*

- (c) the supervisor's access to any experimental work, the candidate's availability for seminars and other discussions, and the publication of results will not thereby be prejudiced.

4.4 The research thesis/project shall be supervised by either:

- (a) one or more full-time members of the academic staff of Flinders University, the University of South Australia or the University of Adelaide appointed by the Faculty (on the recommendation of the Program Committee) *or*
- (b) in special circumstances, a suitably qualified person having a close association with the universities appointed by the Board of Graduate Studies on the recommendation of the Faculty.

If more than one supervisor is appointed, one of them shall be nominated as the chief supervisor.

4.5 For each student and on the recommendation of the Program Committee the Faculty shall appoint

- (a) Two Examiners of the research thesis/project who shall report their findings to the Faculty *and*
- (b) An Assessment Committee representative of both the coursework teaching staff and the research thesis/project supervisor/s which, taking account of the candidate's examination results and the report of the Examiners, shall make to the Faculty one of the following recommendations:
 - (i) That the degree of Master of Engineering (Hydrology and Water Resources) be awarded *or*
 - (ii) That the degree should be awarded subject to such minor amendments to the research thesis/project as may be specified *or*
 - (iii) That the degree should not be awarded but that the candidate should be permitted to resubmit the research thesis/project or take such further examination as the Faculty shall prescribe or both *or*
 - (iv) That the degree should not be awarded but that the candidate be awarded the Graduate Certificate in Engineering (Hydrology and Water Resources) *or*
 - (v) That no award be made.

5 General

5.1 A candidate who holds a Graduate Certificate or Diploma in Engineering (Hydrology and Water Resources) shall surrender the Graduate Certificate or Diploma before being admitted to the degree of Master of Engineering (Hydrology and Water Resources).

6 Preliminary work

6.1 A person whose qualifications have been accepted under either 1.1(a) or 1.1(b) above shall be deemed to have satisfied the requirements of this Rule.

6.2 Before being admitted either under 1.1(c) or 1.2 above a person shall complete the requirements of this Rule by undertaking, and satisfying the examiners in, such courses of study and/or other work as may be prescribed by the Faculty.

7 Course of study

7.1 To qualify for the degree, a candidate shall satisfactorily complete a program of study consisting of one of the following options:

- (a) A two-thirds coursework program comprising Supervised Project Work to the value of 10 points and coursework to the value of at least 20 points
- (b) A five-sixths coursework program comprising Supervised Project Work to the value of 5 points and coursework to the value of at least 25 points.

8 Coursework requirements

8.1 The course shall comprise:

either

- | | |
|------------------------------|----|
| (a) compulsory core subjects | 15 |
| elective subjects | 5 |
| Research Thesis | 10 |

or

- | | |
|------------------------------|----|
| (b) compulsory core subjects | 15 |
| elective subjects | 10 |
| Research Project | 5 |

To satisfy the coursework requirements of the Degree, a candidate must attain at least a Division 1 pass in all eligible subjects, which together amount to the required number of points.

9 Subjects of study

9.1 The following shall be the subjects for the Master of Engineering (Hydrology and Water Resources):

Engineering — M.Eng.(Hyd.Water Res.)

*compulsory core subjects***

8095 Computing and Hydraulics	2.5
3040 Hydrogeology	2.5
5520 Introductory Unit E	2.5
7783 Surface Hydrology	2.5
7278 Water Quality Fundamentals and Processes	2.5
7103 Water Resources Management	2.5

*elective subjects***

1713 Advanced Water Quality	2.5
8274 Arid Zone Hydrology	2.5
1159 Flood Hydrology	2.5
9230 Groundwater and Solute Transport Modelling	2.5
3336 Irrigation and Drainage	2.5
6343 Physical Hydrology	2.5
8990 Statistical Analysis in Hydrology	2.5
2983 Tropical Hydrology	2.5
2702 Urban Hydrology	2.5
1050 Water Distribution Systems	2.5
3278 Water Resources Planning E	2.5
4618 Water and Wastewater Treatment	2.5

supervised research thesis/project

9117 Research Thesis	10
or	
9388 Research Project	5

In addition students may, as a formal requirement, be requested to present a public seminar on their project.

** With the approval of the Head of the Department of Civil and Environmental Engineering, a limited number of these subjects may be replaced with other suitable subjects offered by the University of Adelaide, The Flinders University of South Australia or the University of South Australia.

Syllabuses

5520 Introductory Unit E

2.5 points semester 1

39 hours of lectures/tutorials/practicals

The goals of this subject are to bring all prospective Master's students to a level starting point, ie. to ensure that they all grasp the basics of statistics, mathematics and computing relevant to the course; to introduce all students to the campuses and laboratories and staff involved in the Joint Universities Program; to identify any remedial work required at an early stage; and to provide those with an engineering background with an appropriate scientific appreciation and vice versa.

assessment: assignments 50%; individual assessment 50%

8095 Computing and Hydraulics

2.5 points semester 1

39 hours of lectures/tutorials/practicals

The basics of hydraulics are introduced; fluid properties; basic equations of fluid mechanics; pipe flow; open channel flow; culvert hydraulics and dimensional analysis. Computing topics will include personal computers; work stations; UNIX; spreadsheets; Pascal and Fortran Programming; examples of solving hydraulic problems using computers; commercial software packages.

The aim is for students to become proficient in computing techniques applied to solving hydraulic problems. In addition, a further aim is to expose students to intermediate level fluid mechanics and hydraulic techniques.

assessment: exam 70%; coursework, computer exercises 30%

3040 Hydrogeology

2.5 points semester 1

39 hours of lectures/tutorials/practicals

This subject examines the nature of groundwater occurrence, flow and distribution under varied geological conditions. Applied aspects include groundwater exploration, drilling, borehole constructions, logging, aquifer testing and resource evaluation. Also considered are thermal, hydrochemical and isotopic processes. The subject concludes with selected aquifer case studies.

The primary goal is to give the student sufficient theoretical and practical grounding to analyse the hydraulic parameters and groundwaters resources of any aquifer situation.

assessment: exam 70%; coursework 30% (subject to agreement)

7783 Surface Hydrology

2.5 points semester 1

39 hours of lectures/tutorials/practicals

The fundamental elements of the hydrological cycle will be outlined. Aspects of collection and analysis of both rainfall and streamflow will be discussed. The main emphasis will be placed on the processes that make up the rainfall runoff process and how these are modelled for use in flood estimation and in low flow hydrology.

The goals are to provide the student with an adequate grounding in the fundamental processes of surface hydrology; to equip the student with analytical skills applicable to non-linear processes; and to acquaint the student with the difficulties and practicalities of processes at field-to microscopic scales.

assessment: exam 50%; coursework 50%

7278 Water Quality Fundamentals and Processes

2.5 points semester 1

39 hours of lectures/tutorials/practicals

This subject presents aquatic chemistry and microbiology with emphasis on their application in water and wastewater treatment. Physico-chemical and microbiological fundamentals and processes are examined. The course concludes with sections on water quality improvements and water quality monitoring.

On completion of this subject, the goal is for each student to have a detailed knowledge of water quality parameters, aquatic chemical equilibrium and surface colloid chemistry; an appreciation of key chemical, physical and biological processes determining water quality; and basic practical experience in water quality sampling and analysis.

assessment: exam 50%; coursework 50%

7103 Water Resources Management

2.5 points semester 1

39 hours of lectures/tutorials/practicals/directed study

prerequisite: mathematics to first year University level

This subject examines issues in the management of water resources. The basic problem of water allocation is viewed in terms of the interaction of demand and supply. Conventional and non-conventional sources of

supply are considered, as are the demands placed on water use for various purposes. The use of computer models to assist in water management will be emphasised.

The goals are to acquaint students with the complex technical and socio-economic factors involved in managing water resources.

assessment: projects/assignments

1713 Advanced Water Quality

2.5 points semester 2

39 hours of lectures/tutorials/practicals

prerequisites: 7278 Water Quality Fundamentals and Processes

This subject focuses on causes and effects of water pollution from a wide range of sources. Key chemical and biological processes involved are identified. Pollution control strategies are discussed. Selected case histories are used to reinforce the key concepts and issues.

On completion of the subject the student will have an appreciation of causes and concerns of water pollution; a detailed knowledge of a range of current water quality issues; and the ability to identify and confront the key parameters of a water quality problem.

assessment: exam 50%; coursework 50%

8274 Arid Zone Hydrology

2.5 points semester 2

39 hours of lectures/tutorials/practicals

prerequisites: 3040 Hydrogeology

This subject will examine hydrological processes within the arid and semi-arid lands, including those regions which are only marginally viable for agriculture. We consider such aspects as the infrequency of rain, flash flood characteristics, natural and induced groundwater recharge, groundwater 'mining', the sustainability of groundwater extraction, water conservation, the salinity problem and other water issues peculiar to deserts. We also emphasise some important differences of methodology and water resources management between arid and wetter environments.

The goals are to enable students to identify and develop scarce water resources, and to appreciate the environmental processes which dominate hydrology in arid regions.

assessment: exam 60%; coursework 40%

1159 Flood Hydrology

2.5 points semester 2

39 hours of lectures/tutorials/practicals

This topic provides students with instruction and hands-on experience in the use and application of a range of computer packages, widely used to solve problems in engineering flood hydrology. The aim is to enable students to apply the appropriate software application to any flood scenario.

assessment: projects/assignments

9230 Groundwater and Solute Transport Modelling

2.5 points semester 2

39 hours of lectures/tutorials/practicals

prerequisites: Hydrological processes, basic mathematics and experience with personal computers

This topic focuses on the application of groundwater flow and solute transport models to field problems. The basic concepts of Finite Difference and Finite Element methods, as applied to groundwater hydrology, are examined. Various groundwater flow and transport models (MODFLOW, AQUIFEM-N and SUTRA) are used to demonstrate the role of models in planning and management.

The goal is to enable students to use internationally recognised computer models and to adapt these models to any stated hydrological conditions.

assessment: exam 50%; coursework 50%

3336 Irrigation and Drainage

2.5 points semester 2

39 hours of lectures/tutorials/practicals

Develops irrigation and drainage process models based on fundamental concepts and theory presented in core subjects. A wide range of irrigation practices will be reviewed with emphasis placed on techniques and management employed in South Australia's arid and semi-arid (Mediterranean) climate: these include spray, drip, open and tile drains and flood irrigation. The problem of land salinisation and control/disposal of saline drainage waters derived from irrigated land will receive particular attention.

The goals are to give students an understanding of modern irrigation technology to enable them to optimise irrigation water usage, to assess crop water requirements for given soils and climates, and to avoid problems of inadequate drainage.

assessment: exam 60%; coursework 40%

6343 Physical Hydrology

2.5 points semester 2

39 hours of lectures/tutorials/practicals

prerequisite: some knowledge of partial differential equations is recommended

This subject covers the analytical and numerical solution of a range of non-linear processes in hydrology. In particular, we examine non-steady surface flow, infiltration, moisture movement in the unsaturated zone, and a range of hypothetical and real examples of watershed modelling.

The primary goal is to give students a sound understanding of the power and limitations of modelling complex processes.

assessment: exam 70%; coursework 30%

8990 Statistical Analysis in Hydrology

2.5 points semester 2

39 hours of lectures/tutorials/practicals

prerequisite: mathematics to first year University level

This subject gives an introduction to statistics, probability and time series analysis and their application to problems in hydrology. The use of time series models for synthetic data generation will be emphasised. Students will undertake a number of computer based exercises.

The aims are to introduce students to advanced statistical techniques in hydrology.

assessment: exam 70%; coursework 30%

2983 Tropical Hydrology

2.5 points semester 2

39 hours of lectures/tutorials/practicals

This subject will provide an introduction to the hydrological analyses required for investigations in tropical regions. A study of the hydrological cycle pertaining to the tropical region will be undertaken with a special reference to the unique islands of the regions-coral atolls. Special topics addressing appropriate technology and water resources development in the tropical region will be included.

The goals are to provide the students with the basics of tropical hydrology and the differences which can exist in the study of water of large continents and small islands. On this basis they should be capable of managing and optimising limited island water resources; and managing high flow systems in the humid tropics.

assessment: exam 50%; assignment, tutorials 50%

2702 Urban Hydrology

2.5 points semester 2

39 hours of lectures/tutorials/practicals

The scope of this subject ranges from stormwater control and use on individual allotments and housing clusters to flood mitigation in urban landscapes. Estimation and control/mitigation of runoff provide the main thread of the subject, but aspects of quality, environmental impact, amenity and stormwater as a resource are given due emphasis.

The goals are to give students sufficient understanding of stormwater processes to design and maintain the most appropriate urban drainage system.

assessment: exam 50%; assignments 50%

1050 Water Distribution Systems

2.5 points semester 2

39 hours of lectures/tutorials/practicals

prerequisite: 8095 Computing and Hydraulics

Steady state and transient hydraulics of pipe networks. Components of water supply systems. Formulation of steady state equations for analysis of flow in pipe network. Solution techniques. Valves. Pumps. Flow measurement. Pipeline layout and protection. Water hammer analysis of pipe systems. Computer applications. Pipe network optimisation, using genetic algorithms.

The goals are introduce students to water distribution system design techniques and other aspects. Students will achieve a sound understanding of modern analytical techniques.

assessment: exam 70%; coursework 30%

3278 Water Resources Planning E

2.5 points semester 2

39 hours of lectures/tutorials/practicals

prerequisite: mathematics to first year University level

A multi-objective approach to water resources planning is introduced. Economic, environmental and social factors are considered in this approach. The use of optimisation and modelling techniques in water resources planning is outlined. The need to consider non-structural alternatives is also discussed.

The goals are to make students aware of the need to integrate economic, social and environmental factors into water resources planning; and to explore techniques for simulation and optimisation of complex water systems.

assessment: exam 60%; coursework 40%

4618 Water and Wastewater Treatment

2.5 points semester 2

39 hours of lectures/tutorials/practicals

prerequisites: 7278 Water Quality Fundamentals and Processes

This subject presents the relevant techniques and standards in the design, maintenance and operation of water and wastewater treatment, and disposal systems in different settings. Salient features of design of facilities are discussed. The course concludes with a discussion of land treatment of wastewaters, groundwater remediation and industrial and hazardous wastewater management.

Goals - on completion of this subject the student will have an awareness of process engineering fundamentals; a detailed knowledge of physical, chemical and biological treatment processes; and the ability to select appropriate treatment options in a range of water and wastewater situations.

assessment: exam 50%, coursework 50%

Master of Engineering (Radio Frequency Engineering)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 Except as provided in 1.2 below, an applicant for admission to the course shall:

- (a) have qualified in the University of Adelaide for the degree of Bachelor of Engineering in Electrical & Electronic or Computer Systems Engineering *or*
- (b) have qualified for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent academically and professionally to the degree of Bachelor of Engineering in Electrical & Electronic or Computer Systems Engineering at the University of Adelaide.

1.2 Subject to the approval of the Council, the Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose, accept as a candidate for the Master of Engineering (Radio Frequency Engineering), a person who does not qualify under 1.1 above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the Master of Engineering.

2 Duration of course

2.1 The course for the Master of Engineering (Radio Frequency Engineering) shall be offered on a part-time basis only. It is expected that candidates will be able to complete the course in a minimum of six semesters of part-time study.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each core subject for the Master of Engineering: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass. The Directed Readings and Research Project shall be assessed on a satisfactory/unsatisfactory basis.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.

3.4 A candidate who has twice failed any subject may not enrol for that subject again except by special permission of the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule a candidate who is refused permission to sit for examination, or who without a reason accepted by the Executive Dean of the Faculty (or nominee) fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least eight teaching weeks of that semester, shall be deemed to have failed the examination.

3.6 The Research Project shall be approved by the Head of the Department of Electrical and Electronic Engineering and be conducted under the supervision of a member of the academic staff of the University of Adelaide.

3.7 The Faculty may permit the Research Project to be undertaken outside the University provided there will be adequate contact and interaction between the candidate and the candidate's supervisor.

4 Course of study

4.1 To qualify for the Master of Engineering (Radio Frequency Engineering) a candidate shall satisfactorily complete the subjects listed below, to a total value of 36 points:

(a) core subjects

6883	Antennas and Propagation	3
3584	CAD of RF Circuits and Systems	3
1973	Introduction to RF Design	4
5236	RF Measurements and Testing	3
4020	Transmission Lines and Waveguides	3

- (b) directed readings
- | | |
|-----------------------------------|---|
| 5062 Readings in RF Engineering 1 | 4 |
| 8272 Readings in RF Engineering 2 | 4 |

(c) research project

- | | |
|--------------------------------------|----|
| 7085 RF Engineering Research Project | 12 |
|--------------------------------------|----|

5 Status or Exemption

- 5.1 A candidate may not present for credit towards the Master of Engineering any subject which has been presented as part of the requirements for any other award of this University or other institution, or which in the opinion of the Faculty is substantially similar to such subject.

Syllabuses

core subjects

- 6883 Antennas and Propagation**
3 points
- 3584 CAD of RF Circuits and Systems**
3 points
- 1973 Introduction to RF Design**
4 points
- 5236 RF Measurements and Testing**
3 points
- 4020 Transmission Lines and Waveguides**
3 points

See Graduate Diploma in Engineering (RFE) for syllabus details for these subjects

directed readings

- 5062 Readings in RF Engineering 1**
4 points
- 8272 Readings in RF Engineering 2**
4 points

See Graduate Diploma in Engineering (RFE) for syllabus details for these subjects

research project

- 7085 RF Engineering Research Project**
12 points

Candidates are expected to complete a significant project in RF engineering, assessed on the basis of a minor thesis, as approved by the Head of Electrical and Electronic Engineering.

Note: please contact the Department of Electrical and Electronic Engineering for further details on this course.

Master of Engineering Science

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 The following may be accepted as a candidate for the degree:

- (a) a person who has qualified in the University of Adelaide for the Honours degree of Bachelor of Engineering or the degree of Bachelor of Engineering in the Honours grade *or*
- (b) a person who holds a qualification accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent* to the Honours degree of Bachelor of Engineering or the degree of Bachelor of Engineering in the Honours grade in the University of Adelaide. *or*
- (c) a person who has qualified in the University of Adelaide for the Ordinary degree of Bachelor of Engineering or the degree of Bachelor of Engineering in the Pass grade or who holds a qualification accepted by the Faculty as being equivalent* to the Ordinary degree of Bachelor of Engineering or the degree of Bachelor of Engineering in the Pass grade in the University of Adelaide, and who has, in addition, successfully undertaken advanced studies and/or work in engineering practice which is considered by the Faculty to be an adequate preparation for candidature.

* Equivalent shall refer to both academic and professional equivalence.

1.2 With the approval of the Board of Graduate Studies acting with authority wittingly devolved to it by Council the Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not qualify under 1.1 above, but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

1.3 A candidate may be admitted on probation. The period of probation shall not exceed six months in the case of a full-time candidate nor twelve months in the case of a part-time candidate. At

the end of the period each candidate's performance shall be reviewed by the Faculty and the candidature confirmed, with or without special conditions, or terminated.

2 Review of academic progress

2.1 A candidate's progress shall be reviewed by the Faculty at the end of each academic year. If, in the opinion of the Faculty, a candidate is not making satisfactory progress the Faculty may, with the consent of the Council, terminate the candidature.

3 Qualification requirements

3.1 To qualify for the degree a candidate shall:

- (a) on completion of any preliminary work which may be prescribed in these Rules and after consultation with the Head of the department in which the majority of the candidate's work falls, submit in writing for approval by the Faculty, the program of study designed to extend over either one calendar year if taken full-time or not less than two and not more than five calendar years if taken part-time;
- (b) undertake the approved program of study under the direction of a supervisor or supervisors who shall be members of the full-time academic staff of the University and appointed by the Faculty, but in special circumstances the Faculty may also appoint an external supervisor;
- (c) pass such examinations on the candidate's course of study as may be required by the Faculty; and/or
- (d) present a thesis embodying the results of the candidate's project work as prescribed in 3.3 below.

3.2 (a) Except by permission of the Faculty or as prescribed in the Rules, the whole of the work for the degree must be completed within the University.

- (b) Subject to such conditions as it may determine in each case, the Faculty may

permit project work to be undertaken outside the University provided that it can be satisfied:

- (i) that this will result in mutual academic benefit to the candidate and the candidates supervising department;
- (ii) that there will be adequate contact and interaction between the candidate and the candidate's supervising department; and
- (iii) that the supervisor's access to any experimental work, the candidate's availability for seminars and other discussions, and the publication of results will not thereby be prejudiced.

3.3 (a) On completion of his or her project work the candidate shall lodge three copies of his or her thesis prepared in accordance with directions given to candidates from time to time.

(b) Unless the Faculty expressly approves an extension of time in a particular case the thesis shall be submitted within six months of the completion of the candidate's program.

(c) Two examiners will be appointed who should normally satisfy the following requirements:

- (i) at least one shall be external to the University
- (ii) at least one shall be an academic member or affiliate of a tertiary institution
- (iii) a candidate's supervisor/s shall not be eligible to act as an examiner

A supporting statement shall be put forward to the Higher Degrees Committee for nominations that fall outside these guidelines.

(d) The examiner may recommend that:

- (i) the thesis be accepted *or*
- (ii) the thesis be accepted but that minor amendments be made to the thesis *or*
- (iii) the thesis be accepted subject to specified amendments being made to the thesis, to the satisfaction of the University *or*

(iv) the thesis not be accepted but the candidate be permitted to re-submit the thesis in a revised form *or*

(v) the thesis be rejected.

3.4 A candidate who fulfils the requirements of these Rules may, on the recommendation of the Faculty, be admitted to the degree of Master of Engineering Science.

4 Preliminary work

4.1 A person whose qualifications have been accepted under either 1.1(a) or 1.1(b) above shall be deemed to have satisfied the requirements of this Rule.

4.2 Before being admitted either under 1.1(c) or 1.2 above, a person shall complete the requirements of this Rule by undertaking, and satisfying the examiners in, such courses of study and/or other work as may be prescribed by the Faculty.

5 Course of study

note: Under the Specific Course Rules, a program of study for the degree may comprise any combination of coursework and project work ranging from all coursework to all project work. Currently only three options are offered.

5.1 To qualify for the degree, a candidate shall satisfactorily complete a program of study consisting of one of the following approved options:

- (a) An all research work program comprising Supervised Project Work to the value of 24 points.
- (b) A one-third coursework program comprising Supervised Project Work to the value of 16 points and coursework to the value of at least 8 points.
- (c) A two-thirds coursework program comprising Supervised Project Work to the value of 8 points and coursework to the value of at least 16 points.

6 Classification of subjects

Subjects forming part of any coursework component for the degree shall be classified as follows:

Group A: Postgraduate subjects

These are subjects offered at a postgraduate level either in the School of Engineering, in another faculty or school, or at another Institution. These include postgraduate subjects in the School of Engineering, Honours and approved postgraduate diploma subjects in the Faculty of

Science and School of Mathematical and Computer Sciences, and postgraduate subjects at Flinders University or the University of South Australia.

Group B: Advanced Level subjects

These are subjects at Level IV in the School of Engineering which have been designated as 'Advanced Level' by the Department concerned. They are subjects which reach an advanced level of expertise in the subject material.

Subject to the approval of the Faculty, subjects from outside the School of Engineering may also be included in this category.

Group C: Ordinary Level subjects

These are subjects at either Level III or Level IV in the School of Engineering which are not designated 'Advanced Level', or subjects at Level III in the Faculty of Science and School of Mathematical and Computer Sciences, or approved final year undergraduate subjects from other Faculties or institutions.

7 Coursework requirements

note: This Specific Course Rule sets out the policies for the administration of the degree of Master of Engineering Science with a coursework component. The Faculty may approve minor variations to these requirements in exceptional circumstances.

- 7.1 A candidate seeking to enrol in a program of study with a coursework component shall, after consulting the Head of the department (or nominee) in which the majority of the candidate's work falls, submit the proposed program to the Faculty for approval.
- 7.2 For a one-third coursework degree, the program may not contain more than a total of 6 points of subjects from Groups B and C, whereas a two-thirds coursework degree may not contain more than a total of 8 points of subjects from Groups B and C.
- 7.3 For a one-third coursework degree, the program may not contain more than 6 points of subjects from outside the School of Engineering*, whereas a two-thirds coursework degree may not contain more than 8 points of subjects from outside the School of Engineering.
- * For the purposes of this policy, the School of Engineering is deemed to include all Centres and joint ventures of which the School, or its constituent departments, is a formal partner.
- 7.4 A coursework program may contain greater than the minimum number of required points, in which case the determination of whether the

coursework requirements have been satisfied or not will include only the best results from eligible subjects amounting to the required number of points.

- 7.5 There shall be four classifications of pass in each subject for the Master of Engineering Science: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass. If a subject has a Conceded Pass classification for the purpose of another award, any such subject passed with this classification shall not count towards the requirements for the degree of Master of Engineering Science.
- 7.6 A subject shall be eligible to be counted for credit towards the coursework requirements of the degree if:
- In Groups A and B the grade obtained is at Pass standard (50%) or higher
 - In Group C the grade obtained is 60% or higher.
- 7.7 To satisfy the coursework requirements of the degree, a candidate must obtain a weighted average, taken over the best results in eligible subjects which together amount to the required number of points, of at least 55%.
- 7.8 Subjects which have been presented as part of the requirements for any other award of this University or other institution or subjects which in the opinion of the Faculty are substantially similar to such subjects, will not be permitted to count for credit towards the coursework requirements of this degree.

8 Subjects of study

- 8.1 The following shall be the subjects for the Master of Engineering Science:

Group A: postgraduate subjects

- (a) *Department of Electrical and Electronic Engineering*
- | | | |
|------|--|---|
| 3151 | Advanced VLSI Systems Design | 2 |
| 6215 | Adaptive Signal Processing | 2 |
| 6870 | Beamforming and Array Processing | 2 |
| 7204 | Computer Arithmetic and VLSI | 1 |
| 9409 | Data Communications | 2 |
| 2266 | Digital Computer Architecture and Design | 2 |
| 5411 | Microcomputer Systems | 2 |
| 1074 | Multisensor Data Fusion | 2 |

7529	Network Architecture and Switching	2	8849	Computer Methods of Structural Analysis	2
3714	Real Time Computer Systems	2	2414	Design of Concrete Structures	2
6519	Signal Processing (Telecommunications)	2	6437	Earthquake Engineering	2
7436	Stochastic Processes in Communication Systems	2	6853	Special Topics in Structural Engineering IV	2
7675	VLSI Devices and Modelling	1	<i>Water Engineering</i>		
(b) <i>School of Mathematical and Computer Sciences</i>			7643	Advanced Engineering Hydrology	2
1728	HDL-based VLSI Design	2	9064	Advanced Flood Hydrology	2
8427	Mathematical Coding and Cryptology	2	4719	Advanced Water Distribution Systems	2
2039	Mathematical Programming III	2	6012	Advanced Water Engineering	2
2314	Optimisation III	2	5980	Advanced Water Resources Management	2
2208	Random Processes III	2	9506	Advanced Water Resources Planning	2
3908	Communication Network Design	2	7883	Advanced Stochastic Hydrology	2
9694	Transform Methods and Signal Processing	2	1768	Advanced Tropical Hydrology	2
4485	Teletraffic Models	2	9043	Special Topics in Water Engineering IV	2
Group B: advanced subjects			<i>Geotechnical Engineering</i>		
Chemical			8641	Advanced Foundation Engineering	2
6238	Advanced Materials Engineering	2	5175	Geotechnical Modelling	2
2098	AI Applications in Engineering Design	2	8449	Special Topics in Geotechnical Engineering IV	2
2532	Biochemical Engineering	2	<i>Management and Planning</i>		
4668	Biomedical Engineering	2	5534	Advanced Engineering Management	2
8273	Combustion Processes	2	9969	Special Topics in Management and Planning IV	2
9988	Environmental Engineering	2	9309	Systems Planning and Analysis	2
5734	Hydrocarbon Reservoirs	2	<i>Environmental Engineering</i>		
9949	Industrial Rheology	2	6648	Environmental Auditing	2
1532	Minerals Processing	2	4788	Environmental Processes and Modelling	2
6856	Particulate Technology	2	4338	Groundwater Resources and Contamination	2
9871	Plant and Safety Engineering	2	1259	Numerical Methods in Environmental Engineering	2
3324	Reaction Engineering	2	8907	Special Topics in Environmental Engineering IV	2
2088	Special Management Studies	2	8770	Waste Management	2
1172	Special Studies in Chemical Engineering	2	Computer Science		
1872	Thermal Process Synthesis and Integration	2	5141	Computer Architectures	2
Civil and Environmental					
<i>Structural Engineering</i>					
1130	Advanced Composite Steel and Concrete Construction	2			
8441	Advanced Steel Design	2			

Electrical and Electronic	1406 Mechanical Engineering Elective B	1
(a) Electrical and Electronic, University of Adelaide	8404 Special Studies in Mechanical Engineering	2
1702 Advanced Analog VLSI A		1
3954 Advanced Analog VLSI B		2
9334 Advanced Communication Theory		1
1560 Advanced Control		1
9003 Advanced Digital VLSI A		1
5409 Advanced Digital VLSI B		2
5650 Advanced Electromagnetic Engineering		1
1008 Advanced Signal Processing		1
1664 Broadband and ATM Networks		1
7797 Distributed Systems and Multimedia Communications		1
1290 Optical Communications		1
9416 Real Time Systems		1
9913 Signal Processing A		1
7663 Signal Processing B		1
(b) Electrical and Electronic Engineering, University of South Australia*		
Communication Systems Theory		
Compound Semiconductor Technology		
Digital Transmission		
Error Control Coding		
Integrated Circuit Manufacture		
Mobile Communications		
Optical Communications		
Satellite Communications		
Speech Processing		
* Students wishing to enrol in subjects offered by the University of South Australia for presentation to their Adelaide degree will need to obtain permission of the Faculty and must comply with the University of South Australia enrolment procedures.		
Mechanical		
5962 Advanced Automatic Control		2
9274 Advanced Vibrations		2
6804 Airconditioning		2
3312 Engineering Acoustics		2
2301 Fracture Mechanics		2
9019 Joining of Materials		2
4085 Mechanical Engineering Elective A		2

Group C: Ordinary Level subjects

Level III and IV subjects (if not included above) listed in the Specific Course Rules of degrees in the Faculties of Engineering, Computer and Mathematical Sciences, and Science.

Notwithstanding the above, the availability of all subjects is conditional on the availability of staff and facilities and sufficient enrolments.

Syllabuses

The postgraduate and advanced level subjects which are offered under Groups A and B may vary from year to year depending on availability of staff and demand for particular subjects. Details of subjects expected to be available each year are obtainable from the Postgraduate Course Advisers in each Department.

For the Syllabuses of Engineering and Mathematical and Computer Sciences subjects that may be counted towards the degree of Master of Engineering Science, see syllabuses under the degree of Bachelor of Engineering in the School of Engineering*, and Bachelor of Science* and Graduate Certificate in Telecommunications in the School of Mathematical and Computer Sciences. Other subjects may be presented towards the degree with the approval of the Faculty.

For details of subjects offered by the University of South Australia, see the University of South Australia Calendar.

* details of these courses are listed in the *Calendar, Volume II, Part I - Handbook of Undergraduate Courses*

Master of Software Engineering

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 The Faculty may accept as a candidate for the degree any person who has completed one of the following at the University of Adelaide:

- (a) the degree of Bachelor of Computer Science or Bachelor of Science (Mathematical and Computer Sciences) with a major in Computer Science including the subject 6263 Software Engineering and Project or the Bachelor of Information Science with a major in Computer Science including the subject 6263 Software Engineering and Project or the Graduate Diploma in Computer Science *or*
- (b) the Honours degree of Bachelor of Science (Mathematical and Computer Sciences) in Computer Science or the Honours degree of Bachelor of Computer Science or the degree of Master of Computer Science *or*
- (c) the degree of Bachelor of Engineering in Computer Systems Engineering or Bachelor of Engineering in Information Technology and Telecommunications or Master of Engineering (Information Technology and Telecommunications) or Bachelor of Engineering with a major in Computer Science which includes the subjects 6263 Software Engineering and Project and 4468 Operating Systems.

1.2 The Faculty may accept as a candidate for the degree any person who has completed studies at another institution, where those studies are accepted by the University as equivalent to studies specified in 1.1 above.

1.3 Subject to the approval of Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not hold the qualifications specified in 1.1 or 1.2 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

1.4 A candidate admitted under 1.3 above may be required to undertake such preliminary work as the Faculty may determine.

1.5 Admission to the course of study for the degree of Master of Software Engineering will be based on a combination of results in university studies, other achievements, and the outcome of an interview.

2 Qualification requirements

2.1 To qualify for the degree a candidate shall:

- (a) satisfactorily complete any preliminary work which may be prescribed
- (b) satisfy examiners in subjects of study prescribed in these rules *and*
- (c) where project work is prescribed by these rules, present a satisfactory report on a project approved by the Head of Department.

3 Duration of the course

3.1 Except with the permission of the Faculty, the subjects of study and, if required, the project report shall be completed on a full-time basis in not less than the following duration:

- (a) for students required by rule 6.3 below to complete subjects to the value of at least 48 points: two years *or*
- (b) for students required by rule 6.3 below to complete subjects to the value of at least 36 points: one and a half years.

4 Assessment and examinations

4.1 If a subject has a Conceded Pass classification for the purpose of another award any such subject passed with this classification shall not count towards the requirements for the degree.

4.2 No project report or material presented for any other degree within this or any other institution shall be submitted.

4.3 There shall be four classifications of Pass in each subject for the degree: Pass with High

Distinction, Pass with Distinction, Pass with Credit and Pass.

- 4.4 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to attend for examination shall be deemed to have failed the examination.
- 4.5 A candidate who fails in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for exemption.
- 4.6 A candidate who has twice failed in any subject may not enrol for that subject again except by special permission of the Faculty and then only under such conditions as may be prescribed.

5 Review of academic progress

- 5.1 If in the opinion of the Faculty a candidate for the degree is not making satisfactory progress, the Faculty may with the consent of Council, terminate the candidature of the candidate and the candidate shall cease to be enrolled for the degree.

6 Course of study and project work

- 6.1 The course, which shall normally extend over two years of full-time study, consists of three components:

- (a) a project
- (b) Computer Science subjects *and*
- (c) Engineering subjects.

Subjects are divided into two categories: Core, which are compulsory, and Electives, which may be chosen by the student subject to the approval of the Dean (or nominee).

- 6.2 Each candidate's course of study must be approved by the Dean (or nominee) at enrolment each year. Students may be interviewed to assess their suitability for subject choices.
- 6.3 To qualify for the degree a candidate shall satisfactorily complete a program of study comprising a project to the value of 9 points and coursework subjects as follows:
- (a) for students admitted with the qualification described in Rule 1.1(a) above or the equivalent: subjects to the value of at least 15 points from Group A and at least 24 points from Group B as set out in Rule 7 below

- (b) for students admitted with the qualification described in Rule 1.1(b) above or the equivalent: subjects to the value of at least 3 points from Group A and at least 24 points from Group B as set out in Rule 7 below
- (c) for students admitted with the qualification described in Rule 1.1(c) above or the equivalent who have specialised in Information Technology within that qualification: subjects to the value of at least 15 points from Group A and at least 12 points from Group B as set out in Rule 7 below
- (d) for students admitted with the qualification described in Rule 1.1(c) above or equivalent who have not specialised in Information Technology within that qualification: subjects to the value of at least 24 points from Group A and at least 15 points from Group B as set out in Rule 7 below.

- 6.4 Except as provided for in 6.5 below, a candidate may not count towards the degree a subject or closely related subject or part of a subject that has already been presented for another degree or diploma.

- 6.5 The Faculty may grant status of up to the value of 12 points for studies undertaken within an Honours degree in Computer Science, Master of Computer Science, Master of Engineering (Information Technology and Telecommunications), or a degree of Bachelor of Engineering with Honours with a specialisation in Information Technology undertaken at the University of Adelaide, or within an equivalent degree of another tertiary institution. These candidates will still need to present a minimum of 24 points towards the Master of Software Engineering that have not been presented for any other degree.

- 6.6 Not all electives may be offered in any one year.

- 6.7 To complete a course of study in a subject a candidate shall, unless exempted by the Head of the Department offering the subject:

- (a) regularly attend the prescribed lectures, tutorials, workshops and seminars and
- (b) undertake such computing work, project work, practical work, field work and case studies, do such reading, written and oral work and pass such examinations as the Head of the Department offering the subject may prescribe.

7 Subjects of study

7.1 Project

3577 Software Engineering Project 9

Group A

core subjects

5541 Advanced Software Engineering 2

3840 Software Development Studio 6

or

4068 Software Management Project 3

elective subjects

Chosen from subjects listed in Specific Course Rule 6.2 for the degree of Master of Computer Science

Group B

elective subjects

Chosen from

9811 Advanced Programming Paradigms 2

9037 Advanced Software Engineering A 2.5

2618 Advanced Software Engineering B 2.5

5711 Advanced Software Engineering C 2.5

6621 Advanced Software Engineering D 2.5

1234 Compiler Construction and Project 3

2328 Computer Networks and Applications 2

8684 Parallel Computation 2.5

7732 Systems Analysis and Project 3

7.2 Students may, with the agreement of the Dean (or nominee), be permitted to undertake other subjects drawn from existing Level IV, Level V, honours and postgraduate subjects in relevant courses, or to enrol in relevant subjects offered by the University of South Australia or the Flinders University of South Australia.

Syllabuses

5541 Advanced Software Engineering

2 points semester 1

2 lectures, 3 practicals per week

prerequisite: 6263 Software Engineering and Project

The aim of this subject is to give students an understanding of the tools and techniques required to engineer software in a team-based environment. It concentrates on the technology used by industry to deal with software development in a timely and cost-effective manner. Content: Software metrics, Cleanroom Software Engineering, CASE tools, re-engineering, reuse, configuration management and version control, software standards, defect analysis and detection.

assessment: 2 hour end of semester exam

3840 Software Development Studio

6 points full year

Project based

prerequisites: 6263 Software Engineering and Project

To give the student experience in the management of an industrial project on the premises of an employer (either the student's employer, or a company which sponsors the student). It is the industry based equivalent of the subject Software Management Project. The Studio provides an opportunity for students to apply the knowledge and skills gained in other courses as they synthesise a solution to a significant, realistic, and practical problem. Students work in teams to analyse the problem, plan a software development project, and implement an solution. After delivering a product, students evaluate the efficacy of their solution as used by customers. The work for the Studio is typically done for an outside customer who might well be the student's employer. The Studio teams work closely with staff (academic or industry) mentors during all phases of the project and periodically make presentations about the technical work and process issues. These presentations are attended by customers, academic staff, industry participants and other experts. Students are encouraged to gain knowledge about how they solve software problems through the application of 'reflective practice' in which students not only do the work, but assist in managing the process and analyse how it was done.

assessment: performance and quality of delivered materials (software and documentation) in the project as determined by academic staff, peers in the team they managed and their employer

4068 Software Management Project

3 points semester 2

Project based

prerequisites: 6263 Software Engineering and Project

To give the students experience with managing the software process and a group of people building a software product. Students are required to go through the process of preparing a bid for a contract and developing appropriate documentation which may be required by the management of the company or through legal requirements, as well as documentation to accompany the delivered software. Cost accounting techniques are employed to track the development of the software and to identify the real cost of developing the software.

assessment: documentation submitted, peer review from undergraduate students in the team

3577 Software Engineering Project

9 points full year

12-15 hours of practicals per week

To give the students experience in the development of a large piece of software. The project involves the students solving a problem. They are expected to show independence, initiative and research skills. Writing skills are also examined through the writing of a detailed report. Projects are determined in consultation with a supervisor. This subject is equivalent to the project that is undertaken as part of the honours degree in Computer Science.

assessment: software developed, written report

Note: see Master of Computer Science (School of Mathematical and Computer Sciences); and Bachelor of Science (Mathematical and Computer Sciences (*Calendar Volume II, Part I - Undergraduate Courses*) for other syllabus details .

Health Insurance Coverage and Health Care Access

Journal of Health Politics, Policy and Law, Vol. 31, No. 4, July 2006

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Health insurance coverage and health care access are closely related concepts. In the United States, the majority of the population is covered by health insurance, but not all are able to access health care services. This article examines the relationship between health insurance coverage and health care access in the United States. It discusses the challenges of measuring health care access and the impact of health insurance coverage on health care access. The article also discusses the role of health insurance in the United States health care system and the need for reform.

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Health Insurance Coverage and Health Care Access

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Website: <http://www.maths.adelaide.edu.au/>

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Graduate Certificate in Computer Science

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, students are advised to refer to them to gain an understanding of their rights and responsibilities with regard to course matters.

Specific Course Rules

1 Admission requirements

- 1.1 Except as provided in 1.2 below, an applicant for admission to the course for the Graduate Certificate shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of this University.
- 1.2 Subject to the approval of the Council, the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.
- 1.3 A knowledge of SACE Stage 2 Mathematics I or its equivalent is assumed.
- 1.4 A person who holds any of the following qualifications shall not be eligible for the award of the Graduate Certificate in Computer Science: a degree that includes a major in Computer Science or its equivalent; the Diploma in Computer Science, Master of Computer Science of The University of Adelaide, or equivalent qualifications in Computer Science.

2 Duration of course

- 2.1 To qualify for the Graduate Certificate a candidate shall complete satisfactorily a course of full-time study extending over at least one semester or of part-time study extending over at least two semesters. A candidate shall take not more than six consecutive semesters to complete the requirements of the Certificate

3 Qualification requirements

- 3.1 There shall be four classifications of pass at an examination in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to present for examination or final assessment shall

be deemed to have failed the examination/final assessment.

- 3.3 A candidate who has twice failed to pass the examination in any subject or division of a subject may not enrol for that subject again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.

4 Courses of study

- 4.1 To qualify for the Graduate Certificate the candidate shall satisfactorily complete subjects to the value of at least 12 points listed in 4.1 for the degree of Graduate Diploma in Computer Science, except 6263 Software Engineering and Project.

5 Credit transfer

- 5.1 A candidate who has passed subjects in this or other educational institutions and who has not presented these subjects towards an award may, on written application to the Registrar, be granted such exemption from the requirements of these rules as the Faculty shall determine. Status may be granted for a maximum of 3 points under 4.1 of the Specific Course Rules.
- 5.2 No candidate will be permitted to count for the Graduate Certificate any subject that in the opinion of the Department contains substantially the same material as any other subject which he or she has presented already for another qualification

Syllabuses

See Graduate Diploma in Computer Science

Graduate Certificate in Mathematical Signal and Information Processing

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, students are advised to refer to them to gain an understanding of their rights and responsibilities with regard to course matters.

Note: Postgraduate tuition fees may apply to this course.

Specific Course Rules

1 Admission requirements

- 1.1 Except as provided for in 1.2 an applicant for admission to the course of study for the Graduate Certificate shall:

have qualified for an Honours degree of Bachelor of Science in either Mathematics or Physics or a degree of Bachelor of Engineering (Electrical and Electronic) with Honours of the University of Adelaide, or for an equivalent degree of another tertiary institution accepted for the purpose by the University; or

- 1.2 have qualified for a degree with Honours in other areas of Engineering, or an Honours degree in a related scientific area acceptable for the purpose to the Faculty. A person admitted under this sub-Rule will normally be required satisfactorily to complete some initial bridging studies as deemed necessary by the Faculty, in addition to satisfying the requirements of the Graduate Certificate.
- 1.3 Subject to the approval of the Council, the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Certificate a person who does not qualify for admission under 1.1 or 1.2 but who has given evidence satisfactory to the Faculty of fitness to undertake work for the Certificate.

2 Duration of course

- 2.1 A candidate shall:
- complete any preliminary work which may be prescribed;
 - undertake an approved program of advanced part-time study which extends over not less than one and not more than two years.

3 Qualification requirements

- 3.1 To qualify for the degree a candidate shall:
- comply with conditions as prescribed in the Specific Course Rules *and*
 - pass such examinations on the candidate's course of advanced study as may be required by the Faculty.

4 Unacceptable combinations of subjects

- 4.1 A candidate may not count towards the Graduate Certificate a subject or closely related subject or part of a subject that has already been presented for another degree or diploma.

5 Review of academic progress

- 5.1 If in the opinion of the School of Mathematical and Computer Sciences a candidate for the Graduate Certificate is not making satisfactory progress, the School may, with the consent of the Council, terminate the candidature.

6 Courses of study

- 6.1 A candidate for the Graduate Certificate shall regularly attend lectures and tutorials, do such written and practical work as may be prescribed, and satisfactorily complete subjects to the value of at least 12 points as defined in 6.2.
- 6.2 The program of study to the value of at least 12 points shall consist of:
- compulsory subjects to the value of 6 points:

6880	Detection, Estimation and Classification	2
7216	Introduction to Discrete Linear Systems	2
8204	Signal Synthesis and Analysis	2
 - subjects to the value of at least 6 points chosen from the following list:

6215	Adaptive Signal Processing	2
6870	Beamforming and Array Processing	2
3938	Coding and Cryptology III	2

4105 Image Processing	2
1519 Information Theory	2
1724 Kalman Filtering and Tracking	2
1074 Multisensor Data Fusion	2
5173 Signal Processing Applications	2

note: Intending students should consult the course coordinator early in the year in which they plan to study in order to ascertain whether particular subjects will be available in that year and in which semester subjects will be taught

- 6.3** Candidates who have been granted exemption from one or more of the compulsory subjects may select in their place relevant subjects from other subjects offered by the University of Adelaide or other tertiary institutions in South Australia as may be approved by the School of Mathematical and Computer Sciences.
- 6.4** The availability of all subjects is conditional on there being adequate staffing levels and resources.

Syllabuses

Prospective students should consult the course coordinator early in the year in which the course is being offered regarding the content of the specific subjects that are to be offered in that year.

Graduate Certificate in Mathematics Education

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, students are advised to refer to them to gain an understanding of their rights and responsibilities with regard to course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Certificate shall:

(a) have qualified for a degree and a Graduate Diploma in Education of the University or hold qualifications from another institution accepted by the University for the purpose.

(b) have completed such other work as may be prescribed in the Specific Course Rules.

1.2 Subject to the approval of the Council, the Faculty may, in special cases and subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Certificate an applicant who does not satisfy the requirements of 1.1(a) and 1.1(b) above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the Certificate.

2 Qualification requirements

2.1 To qualify for the Certificate a candidate shall satisfactorily complete a course of study and comply with conditions as prescribed in the Specific Course Rules.

3 Duration of course

3.1 Except with the special permission of the Faculty the course for the Certificate shall be completed in not more than two years of part-time study.

4 Review of academic progress

4.1 If in the opinion of the Faculty a candidate for the Certificate is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature and the candidate shall cease to be enrolled for the Certificate.

5 Subjects of study

5.1 The following shall be the subjects for the Graduate Certificate in Mathematics Education:

(a) **core subjects** (provisional list)

Group A

9143	School Mathematics Curriculum	2
4931	Exploratory Data Analysis	2
3825	Geometry for Teachers	2
1231	Thinking Mathematically	2
7724	Applying Mathematics	2

Group B

8762	Modern Statistics	2
2741	Modelling with Mathematics	2
8575	Discrete Mathematics	2
1707	Mathematics in Education	2

(b) **further subjects**

Group C

7798	Certificate Project	2
6162	Certificate Project (Full-Year)	2
3923	Minor Certificate Project	1
7843	Certificate Mathematical Studies	2
3404	Directed Reading Studies	2
8289	Minor Directed Reading Studies	1

Group D subjects

Any other mathematical sciences or mathematics education subject or other relevant subject offered within the University of Adelaide and approved for the purpose by the Dean (or nominee).

Group E subjects

Other mathematical sciences or mathematics education subjects which may be offered from time to time by The Flinders University of South Australia and the University of South Australia and are approved for the purpose by the Dean (or nominee).

5.2 Each year the Faculty shall determine which of the above subjects will be offered in the following year and in which semesters they will be offered.

5.3 Notwithstanding the above, the availability of all subjects is conditional on the availability of staff and facilities.

6 Course of study

6.1 To qualify for the Certificate a candidate shall satisfactorily complete subjects from 5 above with an aggregate value of at least 12 points satisfying the following requirements:

- (a) Unless otherwise agreed by the Faculty, the subjects presented for the Certificate must include Core subjects with an aggregate value of at least 8 points.
- (b) The subjects presented for the Certificate shall not include any subject which is, in the opinion of the Faculty, substantially equivalent to another subject presented for the Certificate or already counted towards another qualification gained by the candidate.

6.2 Candidates wishing to enrol in subjects for which they do not have the necessary preliminary knowledge may be required to take such bridging studies prior to the commencement of their Certificate studies as may be deemed appropriate by the Dean (or nominee).

6.3 To complete a course of study, a candidate, unless exempted by the Faculty, shall:

- (a) regularly attend the prescribed lectures, tutorials, workshops and seminars; and
- (b) undertake such computing work, practical work, field work and case studies, do such reading, written and oral work and pass such examinations, as the Faculty may prescribe.

6.4 The syllabus for each subject for the Certificate shall specify whether passes shall be non-graded or whether there shall be four classifications of pass: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

The School of Mathematical and Computer Sciences, in cooperation with the Department of Education offers a Graduate Certificate in Mathematics Education. The aim of the course is to enable graduates in teaching to gain professional development in modern mathematics content and processes, in mathematics education and in relevant teaching methodology, within an applied context.

The course is intended for holders of a qualification for teaching at diploma or degree level, or equivalent (for example a three-year degree plus a diploma or a four-year bachelor of education degree). Graduates wishing to enrol should consult the University of Adelaide Liaison Officer, Graduate Certificate in Mathematics Education, through the Office of the Dean in early October of the year before they plan to enrol.

In some cases, students may need to undertake preliminary bridging studies prior to the time of enrolment, to ensure that they have the necessary mathematical background indicated in the syllabuses.

Each student will be assigned a supervisor who will advise, where applicable, on project work, directed reading and selection of subjects. At enrolment time, following consultation between the student and supervisor, each student's program must be formally approved by the Dean or nominee (normally by the Liaison Officer).

The course may be taken in up to two years of part-time study. It consists of subjects with an aggregate value of at least 12 points, not equivalent to subjects already offered by the candidate for another award. These subjects must include core subjects with an aggregate value of at least 8 points. (If subjects equivalent to core subjects have been offered for another award, other subjects may be specified in their place.)

The core subjects are currently offered in a joint program by the South Australian higher education institutions, in association with the Adelaide Consortium for Mathematics Education. A 2 point core subject typically involves 26 to 30 contact hours; some subjects will be based entirely on seminars and workshops while others will involve formal lectures with some associated workshops.

The core subjects are divided into two groups and normally a student's core subjects will all be from the same group. Group A core subjects are intended as a basis for 're-skilling' of teachers who are currently teaching some junior secondary mathematics, or who wish to undertake such teaching, but whose training was in some other area (for example, science). Group B core subjects are intended for professional development of mathematics specialist teachers who wish to update their background in mathematics relevant to the senior secondary curriculum, in mathematics education and

teaching methodology and in the use of modern technology. While the course focuses mainly on these two categories, other applicants (for example, primary teachers) will be accepted if a satisfactory program of study appropriate to their needs is available within the framework of the Certificate.

Students enrolled for the Certificate at the University of Adelaide will usually select their non-core subjects from Group C, which comprises subjects offered at the University of Adelaide. They will normally include a subject whose work requirement consists of a project.

In the course for the Certificate there will be an emphasis on applications, investigations and problem-solving, and all students will take some subjects involving the use of computer packages (though no knowledge of computer programming is required). Project work may involve practical experience in industry, business or a school or tertiary education.

Students who enrol for the degrees of Bachelor of Educational Studies, Master of Educational Studies or Master of Education awards are able to apply for credit to a maximum value of 12 points on account of work completed towards this Graduate Certificate.

Syllabuses

quota

A quota may apply to course enrolments for students taking Group A core subjects and for those taking Group B core subjects.

contact hours

The core subjects are currently offered in a joint program by the South Australian higher education institutions. This part of the course may be taught at the campus of another institution.

prescribed and recommended reading

Prescribed and recommended reading will play an important part in the course.

Information on appropriate textbooks will be provided by the Department concerned, and at the preliminary lecture in Orientation Week.

Reading lists provided for each subject will cover relevant material in books and journal articles and also in packages produced by centres such as the Shell Centre for Mathematics and the Open University.

assessment and subject requirements

To be determined in consultation with students at or before commencement of study of each subject and confirmed in writing within one week of commencement. Details to be determined include the nature of the requirements for each component and the relative weight given to the components (eg, such of the following as are relevant: seminar papers; seminar or workshop participation; written or practical or computing assignments; essays, reports or book reviews; written or oral exam; project). Passes may be either reported as non-graded passes or classified, as specified in the syllabus for the subject.

core subjects

Group A: Focusing on junior secondary mathematics

9143 School Mathematics Curriculum

2 points semester 1 or 2

The subject aims to develop an awareness of the junior mathematics school curriculum in the context of the overall mathematics curriculum (from Reception to Year 12 and beyond). Issues related to curriculum objectives, and consequent appropriate teaching methodologies, will be investigated, along with a more detailed analysis of particular areas of the curriculum. Students will be expected to read widely in their areas of interest. Reading lists will be developed by consultation between students and staff.

assessment: determined in consultation with students; based on practical curriculum development projects of use to students in their work

4931 Exploratory Data Analysis

2 points semester 1 or 2

The subject aims to help students gain a practical understanding of the application of exploratory data analysis, within the context of investigations, sufficient for the purposes of teaching at junior secondary level. It introduces the fundamental ideas and nature of statistics: data (sources, types, levels), graphical tools (stem and leaf, box plots), summary statistics. It considers exploratory tools for single and paired, variables (eg, box trace, correlation, scatter plot, resistant line) and concludes with a brief introduction to the nature and philosophy of hypothesis testing.

assessment: determined in consultation with students; based on class work and assignments

3825 Geometry for Teachers

2 points semester 1 or 2

The subject aims to help students develop skills and understanding in solving a range of elementary geometrical problems and in relating these problems to a variety of problems from outside mathematics, particularly to computer graphics where possible. It provides a practical approach to a selection of topics in two and three dimensional geometry which are relevant to applications and hence to the teaching of geometry. Associated workshops will focus on teaching methodology and also include some historical and cultural background.

assessment: determined in consultation with students; based on class work and assignments

1231 Thinking Mathematically

2 points semester 1 or 2

The subject focuses on aspects of mathematical thinking relevant to the teaching of secondary mathematics, particularly problem solving (including mathematisation of real life problems). Participants will develop their own skills in this area and gain a background of ideas and experience which will help the teaching of such skills. Background covered will include the relevant ideas of cognitive science and the approaches of mathematical authors such as Polya and Mason. Workshop sessions will provide practical experience using tools from junior secondary mathematics, with applications to class room practice.

assessment: determined in consultation with students; based on class work and assignments

7724 Applying Mathematics

2 points semester 1 or 2

The aim of the subject is to introduce junior secondary mathematics teachers to the application of mathematical modelling to a broad range of problems. On completion of the subject, participants should have developed: an appreciation of the potential for mathematics as a medium for modelling a large variety of problems; skills in recognising appropriate modelling methods; and mathematical skills in using models to solve a number of problems. The content will be based mainly on material in 'Mathematics at Work'. The emphasis will be on the modelling process and the implementation of models using computer software. Topics will be drawn from the following: financial mathematics (income and tax, budgeting, investment, inflation and insurance, and credit); probability (insurance, games of chance, and simulation); linear programming (models of transportation, depot location and rostering); growth and decay (a discussion of population and radioactive decay).

assessment: determined in consultation with students; based on assignments and seminar presentation

Group B

assumed knowledge: tertiary mathematics equivalent to 9786 Mathematics I or 9595 Mathematics IM

8762 Modern Statistics

2 points semester 1 or 2

The subject aims to help students examine and use modern statistical techniques, within the context of investigations, and would provide suitable preparation for teaching applications of statistics within Year 12 subjects. It introduces data sources types and levels. It considers graphical tools, stem and leaf plots, and summary statistics. The subject considers single and multivariate cases, box trace, correlation, scatterplot, resistant line, least square, regression, time series and smoothing. The subject culminates with an introduction to the nature and philosophy of hypothesis testing using a variety of non-parametric tests to exemplify the concepts involved.

assessment: determined in consultation with students; based on class work and assignments

2741 Modelling with Mathematics

2 points semester 1 or 2

The subject aims to help students develop the modelling process as well as explore mathematical techniques. It introduces topics via the use of case studies. It considers curve fitting in the context of advertising and sales, administration of drugs, supply and demand, car operating costs, alcohol and accidents and handicapping. The subject considers algebraic equations for rostering, minimisation of materials, annuities, and curve fitting. The subject develops linear programming models for product mix, rostering, portfolio management, transportation and location. It concludes with an introduction to difference and differential equations for compound interest, growth and decay and population models. Workshop topics will include generation of case studies suitable for classroom use.

assessment: determined in consultation with students; based on class work and assignments

8575 Discrete Mathematics

2 points semester 1 or 2

The subject provides an introduction to topics in discrete mathematics relevant to applications, particularly in decision making, computer science and communications. Topics will be chosen from those becoming prominent in early tertiary courses and relevant to enrichment of secondary mathematics studies. A selection of the following will be included: elementary logic and truth tables; counting processes and probabilistic modelling; recurrence and iteration; algorithms and complexity; representation of discrete systems via graphs, networks and groups; applications to encryption and error correcting codes.

assessment: determined in consultation with students; based on class work and assignments

1707 Mathematics in Education

2 points semester 1 or 2

Critical concepts in school mathematics. Samples of current practice in school mathematics. Examination of appropriate methodology arising from considerations of current issues such as alternate modes of evaluation and assessment, calculators and computers, gender, special groups of learners.

assessment: determined in consultation with students; based on class work and assignments

Group C

Students enrolled at the University of Adelaide will normally select their non-core subjects from this group.

7798 Certificate Project

2 points full year

The student will undertake a project in mathematics or mathematics education with the general guidance of the student's supervisor. The project may, for example, involve an investigation in mathematics or computing, or an applied problem, or a period of practical experience in business and industry, or in a classroom situation in a school or tertiary institution. The nature and scope of the project will be agreed by student and supervisor before detailed work commences.

assessment: written report submitted by an agreed date

6162 Certificate Project (Full-Year)

2 points full year

This subject is similar to 7798 Certificate Project except that work on the project is done at a slower pace and extends over a full year.

assessment: written report submitted by an agreed date

3923 Minor Certificate Project

1 point : semester 1 or 2

This subject is similar to 7798 Certificate Project except that the points value and time commitment are less. It is particularly suitable for projects based on a short period of work experience.

assessment: written report or folio of work submitted by an agreed date

7843 Certificate Mathematical Studies

2 points semester 1 or 2
2 hours per week

prerequisite: qualification acceptable to the relevant department in the Faculty of Mathematical Sciences

One option (not already offered for any award from those offered in Honours Pure Mathematics, Honours Applied Mathematics, Honours Statistics, Honours Computer Science and Honours Mathematical Physics, selected in consultation with the student's supervisor. (Honours options recommended for prospective teachers are particularly suitable for this purpose.)

assessment: see Honours Mathematical Sciences syllabuses

3404 Directed Reading Studies

2 points semester 1 or 2

The student will undertake a program of independent study in a clearly defined area, based mainly on reading and also, where available, on attendance at research seminars. The program will be determined in consultation with the student's supervisor (or, where necessary, with another supervisor appointed for the purpose) who will also be available for consultation as necessary.

assessment: determined in consultation with students; continuous assessment or a written report or folio of work to be submitted by an agreed date

8289 Minor Directed Reading Studies

2 points semester 1 or 2

This subject is similar to 3404 Directed Reading Studies except that the points value and time commitment are less and the scope is accordingly narrower. It can be taken in conjunction with 3923 Minor Certificate Project.

assessment: as for 3404 Directed Reading Studies except for scale

Group D

For syllabuses of other mathematical sciences or mathematics education subjects or other relevant subjects offered within the University of Adelaide please see the relevant entries elsewhere in this Calendar.

Note that inclusion of such subjects in the Graduate Certificate requires approval by the Dean or nominee (normally the Liaison Officer). Approval will normally be given for inclusion of such a subject provided it is appropriate to the student's background and interests and the aims of the Graduate Certificate and does not significantly overlap other subjects offered for the Graduate Certificate (or for another previous award).

Group E

These are subjects in other institutions. No subjects are currently approved for this group, but a particular subject could be approved under special circumstances. Students normally enrol in the institution where the projects and other non-core subjects available are appropriate to their interests and needs.

Graduate Certificate in Telecommunications

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, students are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 Except as provided for in 1.2 an applicant for admission to the course of study for the Graduate Certificate shall:

- (a) have qualified for a degree of the University or for a degree of another institution accepted for the purpose by the University
- (b) have obtained the approval of the Dean (or nominee) of the School of Mathematical and Computer Sciences.

1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Certificate a person who does not qualify for admission to the course under 1.1 (a) and 1.1(b) but has given evidence satisfactory to the Faculty of fitness to undertake work for the Certificate.

2 Qualification requirements

2.1 To qualify for the Certificate a candidate shall satisfactorily complete a course of full-time study extending over at least one semester or of part-time study extending over at least one year. Except with the permission of the Faculty the work for the Certificate shall be completed within two years.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each subject for the Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Registrar for such exemption.

3.4 A candidate who has twice failed the examination in any subject or division of a subject may not enrol for that subject again except by special permission to be obtained in writing from the Registrar and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule a candidate who is refused permission to sit for examination, or who without a reason accepted by the Dean of Mathematical and Computer Sciences (or nominee) fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least eight teaching weeks of that semester, shall be deemed to have failed the examination.

4 Subjects of study

4.1 The following shall be the subjects for the Graduate Certificate in Telecommunications.

- (a) Group A subjects: School of Mathematical and Computer Sciences

3908	Communication Network Design	2
8427	Mathematical Coding and Cryptology	2
2039	Mathematical Programming III	2
2314	Optimisation III	2
2208	Stochastic Modelling for Telecommunications III	2
4485	Teletraffic Models	2
9694	Transform Methods and Signal Processing	2
- (b) Group B subjects: Electrical and Electronic Engineering Department

7529	Network Architecture and Switching	2
1312	Communication Systems	2
9913	Signal Processing	1
5300	Telecommunication Networks	1
9334	Advanced Communication Theory	1
1008	Advanced Signal Processing	1

- (c) Group C subjects: Electronic Engineering, University of South Australia
- | | |
|--|---|
| 8235 Communications System Theory | 2 |
| 7532 Digital Transmission | 2 |
| 2277 Error Control Coding | 2 |
| 2302 Mobile Communications | 2 |
| 7156 Network Protocols | 2 |
| 2796 Optical Communications (Uni. of S.A.) | 2 |
| 5640 Satellite Communications | 2 |
| 4327 Speech Processing | 2 |

(d) Group D subjects

Other relevant subjects or work as may be approved by the Dean of Mathematical and Computer Sciences (or nominee).

- 4.2 Each year the Faculty shall determine which of the above subjects will be offered in the following year.
- 4.3 Notwithstanding the above, the availability of all subjects is conditional on the availability of staff and facilities.

5 Course of study

The Graduate Certificate in Telecommunications is a collaborative program between the Schools of Mathematical and Computer Sciences and Engineering and is administered by the School of Mathematical and Computer Sciences.

- 5.1 To qualify for the certificate a candidate shall satisfactorily complete subjects from 4 with an aggregate points value of at least 12 and satisfy the requirement that the subjects presented shall not include any which is, in the opinion of the Faculty, substantially equivalent to another subject presented for the Certificate or already counted towards another qualification gained by the candidate.
- 5.2 Candidates wishing to enrol in subjects for which they do not have the necessary preliminary knowledge may be required to take such bridging studies prior to the commencement of their Certificate studies as may be deemed appropriate by the Dean of the School of Mathematical and Computer Sciences (or nominee).
- 5.3 To complete a course of study, a candidate, unless exempted by the School, shall:
- regularly attend the prescribed lectures, tutorials, workshops and seminars; and
 - undertake such computing work, practical work, field work and case studies, do such

reading, written and oral work and pass such examinations, as the School may prescribe.

- 5.4 Each candidate's course of study must be approved by the Dean of the School of Mathematical and Computer Sciences (or nominee) at enrolment each year.

Syllabuses

The degree draws upon courses on telecommunications given by the Departments of Mathematics and Electrical and Electronic Engineering at the University of Adelaide and by the School of Electronic Engineering at the University of South Australia.

It is designed to broaden the participants' knowledge of telecommunications by utilising the wide spread of knowledge and experience in South Australian universities.

Graduate Diploma in Applied Statistics

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, students are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees may apply to this course.

Specific Course Rules

1 Admission requirements

- 1.1 Except as provided for in 1.2 a candidate for admission to the course for the Graduate Diploma shall have qualified for admission to a degree of the University or to a degree of another university accepted for the purpose by the University and have obtained the approval of the Department of Statistics.
- 1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not hold a degree of a university but has given evidence satisfactory to the Faculty of his fitness to undertake work for the diploma.

2 Duration of course

- 2.1 To qualify for the Graduate Diploma a candidate shall satisfactorily complete a course of full-time study extending over at least one year or of part-time study extending over at least two years.

3 Assessment and examinations

- 3.1 There shall be four classifications of pass at an annual examination in any subject for the diploma; Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.
- 3.2 A candidate who fails to pass in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the professor or lecturer concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption.
- 3.3 A candidate who has twice failed to pass the examination in any subject or division of a subject may not enrol for that subject again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.
- 3.4 For the purpose of this Rule a candidate who is refused permission to sit for examination, or who fails, without a reason accepted by the Head

of the Department of Statistics as adequate, to attend all or part of a final examination (or supplementary examination if remaining enrolled for at least eight teaching weeks of that semester, shall be deemed to have failed to pass the examination.

4 Course of study

- 4.1 A candidate for the Graduate Diploma shall regularly attend lectures and tutorials, do such written work as may be prescribed, and pass examinations in a selection of subjects chosen from the following list, to an aggregate value of at least 16 points, with at most 6 points from Level II:

- | | | |
|---|--|---|
| (a) compulsory subject | | |
| 3989 Statistical Modelling III | | 3 |
| (b) Level II Statistics subjects | | |
| 4107 Introduction to Mathematical Statistics II | | 2 |
| 1675 Statistical Modelling and Computation II | | 2 |
| 4523 Statistical Practice II | | 2 |
| 8878 Theory of Statistics II | | 2 |
| (c) Level III Statistics subjects | | |
| 9800 Experimental Design III | | 2 |
| 1411 Life Contingencies III | | 2 |
| 8892 Medical Statistics III | | 2 |
| 5030 Multivariate Analysis III | | 2 |
| 8387 Non-parametric Methods III | | 2 |
| 4853 Sampling Theory and Practice III | | 2 |
| 2993 Statistics for Quality Improvement III | | 2 |
| 7113 Theory of Statistics III | | 3 |
| 5675 Time Series III | | 2 |
| (d) at most two of the Level III Applied Mathematics subjects | | |
| 4447 Applied Probability III | | 2 |
| 2506 Mathematical Biology III | | 2 |
| 2039 Mathematical Programming III | | 2 |

2208 Stochastic Modelling for
Telecommunications III 2

- (e) topics taught by the Discipline of Statistics at The Flinders University of South Australia:

65303 Applied Statistical Science A

65304 Applied Statistical Science B

65306 Linear Model Theory

65351 Random Variables

65305 Stochastic Process

65307 Theory of Statistical Inference

note: For details of these topics see Volume II of the Calendar of The Flinders University of South Australia. Students wishing to enrol in these subjects for credit to their Adelaide Graduate Diploma in Applied Statistics need to obtain approval in writing from the Registrar in advance and must comply with Flinders University enrolment procedures.

- (f) Statistics subjects listed in 8.1 for the degree of Master of Mathematical Science.
- (g) Other subjects which may be offered from time to time by the Department of Statistics in the University of Adelaide, the Discipline of Statistics in The Flinders University of South Australia and the Biometry Section, the Waite Campus, the University of Adelaide.

4.2 Project

6181 Statistics Project 8

In addition to the course work each student will be expected to complete a project chosen in consultation with and supervised by a supervisor from either the Biometry Section, Waite Campus, or the Department of Statistics.

- 4.3 On the recommendation of the Head of the Department of Statistics, the Faculty may exempt a candidate from the need to satisfy the prerequisites prescribed for the course.

Syllabuses

textbooks

Information on appropriate textbooks will be provided by the relevant department and at the preliminary lecture in Orientation Week. Students are expected to procure the latest edition of all textbooks prescribed.

examinations

For each subject students may obtain from the relevant department details of the examination in that subject including the relative weights given to the components (eg such of the following as are relevant: assessments, semester or mid-year tests, essays or other written or practical work, final written examinations, *viva voce* examinations.)

Graduate Diploma in Computer Science

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 Except as provided for in 1.2 a candidate for admission to the course for the Graduate Diploma shall have qualified for admission to a degree of the University in a field other than Computer Science, or to a degree of another university accepted for the purpose by the University and have obtained the approval of the Department of Computer Science.

1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not hold a degree of a university but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

2.1 To qualify for the Graduate Diploma a candidate shall satisfactorily complete a course of study extending over at least one year.

3 Assessment and examinations

3.1 There shall be four classifications of pass at an examination in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 A candidate who fails to pass in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the professor or lecturer concerned may prescribe, unless specifically exempted therefrom after written application to the faculty for such exemption.

3.3 A candidate who has twice failed to pass the examination in any subject or division of a subject may not enrol for that subject again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.

3.3 For the purpose of this Rule a candidate who is refused permission to sit for examination, or

who fails, without a reason accepted by the Head of the Department of Computer Science as adequate, to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least eight teaching weeks of that semester, shall be deemed to have failed to pass the examination.

4 Course of study

4.1 A candidate for the Graduate Diploma shall regularly attend lectures and tutorials, do such written work as shall be prescribed, and pass examinations in subjects offered by the Department of Computer Science totalling 24 points, including the 3 point subject 6263 *Software Engineering and Project*. Normally this would require at least 8 points at Level II and at least 7 points at Level III from the following list.

(a)	(i)	Level II subjects:	
		9492 Computer Science Concepts	3
		1956 Computer Systems	2
		3169 Database and Information Systems	2
		5132 Data Structures and Algorithms	2
		9956 Introduction to Software Engineering	2
		3655 Numerical Methods	2
		9877 Open Systems and Client/Server Computing	2
		2430 Programming Paradigms	2
	(ii)	Level III subjects:	
		9811 Advanced Programming Paradigms	2
		6378 Artificial Intelligence	2
		1234 Compiler Construction and Project	3
		5141 Computer Architecture	2

2328	Computer Networks and Applications	2
3007	Knowledge Representation	2
9820	Numerical Analysis	2
4468	Operating Systems	2
2382	Programming Techniques	2
7732	Systems Analysis and Project	3

(b) Subject to permission from the Head of the Department of Computer Science (or nominee) a student may also undertake a selection of subjects from the Specific Course Rules for the degree of Master of Computer Science.

4.2 On the recommendation of the Head of the Department of Computer Science, the Faculty may exempt a candidate from the need to satisfy the pre-requisites prescribed for the course.

5 Articulation and Credit Transfer

5.1 A candidate who has been enrolled for the Graduate Certificate at The University of Adelaide and who has not been awarded the Graduate Certificate shall, on written application to the Registrar, be permitted to transfer all equivalent subjects towards the Graduate Diploma degree.

5.2 A candidate who holds the Graduate Certificate in Computer Science from The University of Adelaide shall surrender the Graduate Certificate before being awarded the Graduate Diploma.

5.3 Subject to 5.1, no candidate will be permitted to count for the Graduate Diploma in Computer Science any subject that in the opinion of the Department contains substantially the same material as any other subject which the candidate has presented already for another qualification.

5.4 A candidate who has passed subjects in other educational institutions may, on written application to the Registrar, be granted such exemption from the requirements of these rules as the Faculty shall determine. Status may be granted for a maximum of 3 points under 5.1 of the Specific Course Rules.

Syllabuses

textbooks and reference books

Booklists will be made available by the Department of Computer Science.

examinations

Details of subject assessment are made available at the relevant lectures during Orientation Week.

9492 Computer Science Concepts

3 points summer semester

15 hours per week for 4 weeks

Programming in Ada: types, control structures, packages, procedures and functions, input and output. Computer systems: assembly and machine language, state machines. System software: compilers and operating systems. Algorithms: complexity, computability, pre-conditions, loop invariants, termination..

assessment: 2- hour written exam; compulsory practical exercises

note: this subject commences in late January

9956 Introduction to Software Engineering

2 points semester 1

1 lecture, 4 hours practicals per week

prerequisites: 9492 Computer Science Concepts

corequisites: 5132 Data Structure and Algorithms

The subject introduces the discipline of software engineering, software engineering process models, personal process models, project planning, estimation, coding standards, software metrics, defect analysis and report writing. The subject involves a significant practical component to support the lecture content.

assessment: satisfactory completion of all practical work and a written report.

Note: see Bachelor of Science in the School of Mathematical and Computer Sciences for syllabus details for all other subjects

Graduate Diploma in Mathematical Science

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 Except as provided for in 1.2 an applicant for admission to the course of study for the Graduate Diploma shall:

- (a) have qualified for a degree of the University or for a degree of another institution accepted for the purpose by the University.
- (b) have obtained the approval of the Dean (or nominee) of the School of Mathematical and Computer Sciences.

1.2 Subject to the approval of the Council the Faculty may, in special cases subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not hold a degree of a university but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

2.1 To qualify for the Graduate Diploma a candidate shall satisfactorily complete a course of full-time study extending over at least one year or of part-time study extending over at least two years. Except with the permission of the Faculty, the work for the Graduate Diploma shall be completed within four years.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

3.3 A candidate who fails to pass in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically

exempted therefrom after written application to the Faculty for such exemption.

3.4 A candidate who has twice failed the examination in any subject or division of a subject may not enrol for that subject again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.

3.5 For the purpose of this Rule a candidate who is refused permission to sit for examination, or who without a reason accepted by the Dean of Mathematical and Computer Sciences (or nominee) fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least eight teaching weeks of that semester, shall be deemed to have failed the examination.

4 Course of study

4.1 To qualify for the Graduate Diploma, a candidate shall satisfactorily complete work to the value of at least 24 points.

4.2 The courses of study for the Graduate Diploma in Mathematical Science will consist of subjects to the value of at least 20 points chosen from:

(a) Any Level III subject listed in the Calendar by the Departments of the School of Mathematical and Computer Sciences (including Level III subjects listed in the School of Mathematical and Computer Sciences entry by the Department of Physics and Mathematical Physics).

(b) Other subjects listed in the Calendar for any Ordinary Degree of the University approved for the purpose by the Dean of Mathematical and Computer Sciences (or nominee) except that subjects chosen under this provision shall:

- (i) not comprise more than one third of the requirements for the Graduate Diploma without the explicit approval of the Faculty.

- (ii) Be chosen in consultation with the Dean of Mathematical and Computer Sciences (or nominee).
 - (c) Subjects listed in 8 for the degree of Master of Mathematical Science.
- 4.3 Project option. This option may comprise up to 4 points of the work for the award. The topics and level of such project work will be decided in consultation with a supervisor appointed by the Faculty. The project options are:
- | | |
|---|---|
| 1295 Applied Mathematics Diploma Project A | 4 |
| 7128 Applied Mathematics Diploma Project B | 2 |
| 7200 Mathematical Physics Diploma Project A | 4 |
| 1122 Mathematical Physics Diploma Project B | 2 |
| 8803 Pure Mathematics Diploma Project A | 4 |
| 2019 Pure Mathematics Diploma Project B | 2 |
| 8624 Statistics Diploma Project A | 4 |
| 7505 Statistics Diploma Project B | 2 |
- 4.4 Formal approval of enrolment must be obtained from the Dean of Mathematical and Computer Sciences (or nominee).

Syllabuses

textbooks

Information on appropriate textbooks will be provided by the relevant department and at the preliminary lecture in Orientation Week.

examinations

Details of these are made available at the relevant lectures during orientation week.

assumed knowledge

Applicants for the Graduate Diploma will be expected to have a knowledge of mathematics equivalent to that which would be obtained by passing 4 level II subjects offered by the School of Mathematical and Computer Sciences (ie 8 points).

The School of Mathematical and Computer Sciences offers the Graduate Diploma in Mathematical Science as a full-time or part-time course to cater for a number of different demands:

- (a) It is designed for graduates with some mathematical training who wish to extend their mathematical knowledge for professional (eg teachers) or other reasons. The Graduate Diploma allows a flexible program to suit the background of the individual. Thus it may
 - (i) extend a modest knowledge of mathematics to say the level attained by a graduate with an Ordinary Degree of Bachelor of Science in the School of Mathematical and Computer Sciences *or*
 - (ii) at the other extreme provide a program comparable to the level of the Honours degree.
- (b) Graduates of a University or other institution who have an interest in proceeding to research in some area of the mathematical sciences but lack the preparation necessary may enrol for the Graduate Diploma in Mathematical Science with the view to gaining the background to begin a program at the Masters level either by coursework or by research.

Graduates wishing to enrol may consult the Dean of Mathematical and Computer Sciences for details of the subjects offered preferably in the December of the year preceding their enrolment.

The course is normally one year of full-time study or two years part-time. The Graduate Diploma requires a satisfactory performance in approved subjects totalling 24 points. Provision is made in the schedules for candidates to remedy deficiencies in preparation through inclusion of subjects at level II. Up to 4 points may be in the form of supervised project work. Students will be allocated a supervisor at the time of enrolment.

Master of Applied Science (Communications)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees may apply to this course.

Specific Course Rules

1 Admission requirements

1.1 The following may be accepted as a candidate for the degree:

- (a) a person who has qualified in the University of Adelaide for the degree of Bachelor of Engineering, Science or Applied Science or holds another academic qualification accepted by the Faculty of Mathematical and Computer Sciences as being sufficient for the purpose. A person admitted under this sub-Rule will normally be required satisfactorily to complete sufficient work of Honours standard as is deemed necessary by the Faculty in addition to satisfying the requirements of the Master's degree.
- (b) a person who has qualified in the University of Adelaide for the Honours degree of Bachelor of Science in the School of Mathematical and Computer Sciences or the Honours degree of Bachelor of Engineering or the Honours degree of Bachelor of Science in Mathematical Physics.
- (c) a person who holds a qualification accepted for the purpose by the University.

1.2 Subject to the approval of the Council the Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not qualify under 1.1 but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Review of academic progress

2.1 If in the opinion of the School of Mathematical and Computer Sciences a candidate is not making satisfactory progress the Faculty may, with the consent of the Council, terminate the candidature.

3 Qualification requirements

3.1 To qualify for the degree a candidate shall:

- (a) on completion of any preliminary work which may be prescribed in the Specific Course Rules and after consultation with the Dean (or nominee) of the School of Mathematical and Computer Sciences, submit in writing to the Registrar, for approval by the Faculty, a program of advanced study and project work as prescribed in the Specific Course Rules and designed to extend over either one year if taken full-time or not less than two and not more than five years if taken part-time.
- (b) undertake an approved program of advanced study and project work under the direction of a supervisor or supervisors who shall be members of the full-time academic staff of the University and appointed by the Faculty, except that in special circumstances the Faculty may also appoint an external supervisor.
- (c) pass such examination on the candidate's course of advanced study as may be required by the Faculty; and
- (d) present a satisfactory dissertation on the candidate's project.

3.2 Subject to such conditions as it may determine, the Faculty may permit project work to be undertaken outside the University provided that it can be satisfied

- (a) that this will result in mutual academic benefit to the candidate and the supervising department;
- (b) that there will be adequate contact and interaction between the candidate and the supervising department; and
- (c) that the supervisor's access to any experimental work, the candidate's availability for seminars and other discussions, and the publication of results will not thereby be prejudiced.

4 Unacceptable combinations of subjects

4.1 A candidate may not count a subject or closely related subject or part of a subject already presented for another degree or diploma.

5 General

5.1 A candidate who fulfils the requirements of these Rules may, on the recommendation of the Faculty, be admitted to the degree of Master of Applied Science (Communications).

6 Preliminary work

6.1 A person whose qualifications have been accepted under either 1.1(b) or 1.1(c) shall be deemed to have satisfied the requirements of this Rule.

6.2 Before being admitted either under 1.1(a) or 1.2 a person shall complete the requirements of this schedule by undertaking, and satisfying the examiners in, such courses of study and/or other work as may in his or her case be prescribed by the School of Mathematical and Computer Sciences. The purpose of this rule is that the person should demonstrate the ability to perform at Honours standard.

7 Courses of study and project work

7.1 The program of study and project work shall consist of:

(a) One project option chosen from the following list:

8397 Applied Mathematics Communications Project A	2
6450 Applied Mathematics Communications Project B	4
3328 Applied Mathematics Communications Project C	6
2000 Applied Mathematics Communications Project D	8
8648 Applied Mathematics Communications Project E	10
7784 Pure Mathematics Communications Project A	2
5567 Pure Mathematics Communications Project B	4
6147 Pure Mathematics Communications Project C	6
3222 Pure Mathematics Communications Project D	8
3995 Pure Mathematics Communications Project E	10

4284 Electrical and Electronic Communications Project A	2
5208 Electrical and Electronic Communications Project B	4
9153 Electrical and Electronic Communications Project C	6
2206 Electrical and Electronic Communications Project D	8
4573 Electrical and Electronic Communications Project E	10

note: Candidates should consult the Department in which they intend to do their project about the choice of a suitable supervisor.

(b) Graduate subjects and seminars which may be chosen from the following list of subjects in the Communications area. All candidates must satisfactorily complete a minimum of 7 subjects. Each subject represents one twelfth of the requirements for the degree.

(i) Compulsory subject	
8662 Masters Seminar (Telecommunications)	
(ii) Group A subjects	
4485 Teletraffic Models	
8427 Mathematical Coding and Cryptology	
9694 Transform Methods and Signal Processing	
3908 Communication Network Design	
2297 Masters Topic in Communications	
(iii) Group B subjects - These are subjects offered by the Department of Electrical and Electronic Engineering and whose availability may vary from year to year.	
7529 Network Architecture and Switching	2
1312 Communication Systems	2
9913 Signal Processing	1
5300 Telecommunication Networks	1
9334 Advanced Communication Theory	1
1008 Advanced Signal Processing	1

(iv) Group C subjects

Electronic Engineering, University
of South Australia

7156 Network Protocols

Candidates may also choose from subjects offered by the School of Information Science and Technology at The Flinders University of South Australia or by the Departments of Mathematics and Electronic Engineering at the University of South Australia and deemed suitable for the degree program by the Dean of Mathematical and Computer Sciences (or nominee) from whom a list of such subjects may be obtained at the commencement of studies.

- (c) other relevant subjects or work which may make up not more than one-third of the work for the degree, as may be approved by the School of Mathematical and Computer Sciences.

The Dean of Mathematical and Computer Sciences (or nominee) shall approve in the case of each candidate a program of study consisting of lectures, seminars and project work and decide the relative proportion of each subject to the constraints listed above. To assist with this choice from time to time lists of subjects available to candidates for the degree in groups B and C will be issued by the School of Mathematical and Computer Sciences (after they have been approved by Faculty). Notwithstanding the above the availability of all subjects is conditional on there being adequate staffing levels.

Syllabuses

textbooks

Information on appropriate textbooks will be provided by the relevant department and at the preliminary lecture in Orientation Week.

examinations

For each subject students may obtain from the department concerned details of the examination in that subject including the relevant weight given to the components (eg such as the following as are relevant: assessments, semester or mid-semester tests, essays or other written or practical work, final written examinations, *viva voce* examinations).

note: The postgraduate subjects which are offered by departments may vary slightly from year to year. Details of which subjects will be available each year are obtainable from the Dean of the School of Mathematical and Computer Sciences.

Master of Computer Science

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course

Specific Course Rules

1 Admission requirements

1.1 The School of Mathematical and Computer Sciences may accept as a candidate for the degree any person who has qualified:

- (a) for the degree of Bachelor of Science in the School of Mathematical and Computer Sciences or the Bachelor of Information Science, with a major in Computer Science, of the University of Adelaide, or for a degree of some other institution accepted for the purpose by the University *or*
- (b) for the Graduate Diploma in Computer Science of the University of Adelaide or some other award from another institution accepted for the purpose by the University.

1.2 With the approval of the Board of Graduate Studies acting with authority wittingly devolved to it by Council the Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not qualify under 1.1, but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Duration of course

2.1 A candidate may proceed to the degree by full-time study; or, with the approval of the Department of Computer Science and subject to any conditions imposed in the particular case, by part-time study; or as an external student. Except by permission of the Faculty, the work for the degree shall be completed:

- (a) in the case of a full-time candidate, not less than two years and not more than four years from the date of candidature accepted by the Faculty
- (b) in the case of a part-time or external candidate, not less than four years and not more than six years from the date of candidature accepted by the Faculty

- (c) in the case of a candidate with an Honours degree in Computer Science, or equivalent, in not less than one year of full-time study or two years of part-time study.

3 Qualification requirements

3.1 To qualify for the degree a candidate shall:

- (a) satisfy examiners in subjects of study as prescribed in the Specific Course Rules
- (b) comply with conditions as prescribed in the Specific Course Rules *and*
- (c) present a satisfactory written report and seminar on a supervised project on a subject approved by the Department of Computer Science.

4 Review of academic progress

4.1 If in the opinion of the School of Mathematical and Computer Sciences a candidate for the degree is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature and the candidate shall cease to be enrolled for the degree.

5 General

5.1 A candidate who fulfils the foregoing requirements shall on the recommendation of the School of Mathematical and Computer Sciences be admitted to the degree of Master of Computer Science.

6 Subjects of study

note: Intending students should consult the Department of Computer Science early in the year in which they plan to study in order to ascertain whether particular subjects will be available in that year, in which semester they will be taught and their precise content

6.1 A candidate for the degree shall complete satisfactorily a total of at least 48 points.

6.2 A candidate for the degree shall regularly attend lectures and tutorials, do such written and practical work as may be prescribed, and pass examinations in at least twelve subjects offered by the Department of Computer Science at the

Honours or Masters level. Other subjects may be included, subject to the approval of the Head of the Department. Subjects which may be offered by the Department of Computer Science are:

6521	Advanced Computer Architecture A	2.5
6102	Advanced Computer Architecture B	2.5
3280	Advanced Computer Architecture C	2.5
6430	Advanced Computer Architecture D	2.5
2775	Advanced Database A	2.5
1110	Advanced Database B	2.5
8058	Advanced Database C	2.5
3631	Advanced Database D	2.5
9037	Advanced Software Engineering A	2.5
2618	Advanced Software Engineering B	2.5
5711	Advanced Software Engineering C	2.5
6621	Advanced Software Engineering D	2.5
6731	Advanced Programming Languages A	2.5
6532	Advanced Programming Languages B	2.5
4069	Advanced Programming Languages C	2.5
5436	Advanced Programming Languages D	2.5
6938	Advanced Programming Languages E	2.5
5689	Advanced Artificial Intelligence A	2.5
2651	Advanced Artificial Intelligence B	2.5
3794	Advanced Artificial Intelligence C	2.5
2193	Advanced Artificial Intelligence D	2.5
1783	Advanced Operating Systems A	2.5
7513	Advanced Operating Systems B	2.5
9026	Advanced Operating Systems C	2.5
7933	Advanced Operating Systems D	2.5
6220	Advanced Numerical Analysis A	2.5
8109	Advanced Numerical Analysis B	2.5
8247	Advanced Numerical Analysis C	2.5
2630	Advanced Numerical Analysis D	2.5
5766	Relational Programming	2.5
2201	Programming Techniques (M.Comp.Sc.)	2.5
3903	Systems Analysis (M.Comp.Sc.)	2.5
8684	Parallel Computation	2.5
7024	Compiler Construction and Project (M.Comp.Sc.)	2.5
6293	Advanced Programming Paradigms (M.Comp.Sc.)	2.5
9516	Artificial Intelligence (M.Comp.Sc.)	2.5
6031	Computer Architecture (M.Comp.Sc.)	2.5
6794	Computer Networks (M.Comp.Sc.)	2.5

9901	Operating Systems (M.Comp.Sc.)	2.5
3675	Software Engineering and Project (M.Comp.Sc.)	2.5
9047	Numerical Analysis (M.Comp.Sc.)	2.5
7307	University of South Australia Subject A	2.5
6782	University of South Australia Subject B	2.5
1752	University of South Australia Subject C	2.5
6417	University of South Australia Subject D	2.5
6037	University of South Australia Subject E	2.5
9284	University of South Australia Subject F	2.0
1703	Flinders University Subject A	2.5
6156	Flinders University Subject B	2.5
9260	Flinders University Subject C	2.5
8031	Flinders University Subject D	2.5
8759	Flinders University Subject E	2.5
7470	Flinders University Subject F	2.5

6.3 A candidate shall also satisfactorily undertake and complete at least five Masters Project subjects, under the guidance of a supervisor, and provide a public seminar and written report on the investigation. The Masters Project subjects are:

9112	Master Project A	2.5
3126	Master Project B	2.5
4292	Master Project C	2.5
5866	Master Project D	2.5
3444	Master Project E	2.5
9574	Master Project F	2.5
9882	Master Project G	2.5
8868	Master Project H	2.5

6.4 In the case of a candidate with an Honours degree in Computer Science, the subjects required for the award of the Master's degree may be reduced.

Syllabuses

Prospective students should consult the Department early in the year in which the course is being offered to obtain advice as to the specific content of the course. The field of study of the project can also be determined at that time.

Master of Mathematical Science

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 The following may be accepted as a candidate for the degree:

(a) a person who has qualified in the University of Adelaide for the Honours degree of Bachelor of Science in the School of Mathematical and Computer Sciences or the Honours degree of Bachelor of Engineering or the Honours degree of Bachelor of Science in Mathematical Physics, or holds another academic qualification accepted by the School of Mathematical and Computer Sciences as equivalent.

(b) a person who has qualified in the University of Adelaide for the degree of Bachelor of Engineering, Science or Applied Science or holds another academic qualification accepted for the purpose by the School of Mathematical and Computer Sciences. A person admitted under this sub-Rule will normally be required satisfactorily to complete sufficient work of Honours standard as is deemed necessary by the Faculty in addition to satisfying the requirements of the Master's degree;

1.2 Subject to the approval of the Council the Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not qualify under 1.1 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Duration of course

2.1 A candidate shall:

- (a) complete any preliminary work which may be prescribed;
- (b) undertake an approved program of advanced study and project work under the direction of a supervisor or supervisors

extended over one year if taken full-time or not less than two and not more than four years if taken part-time.

3 General

3.1 The Faculty shall appoint one or more supervisors to guide a candidate's work.

3.2 A candidate may not count a subject or closely related subject or part of a subject already presented for another degree or diploma.

3.3 A candidate who fulfils the requirements of these Rules may, on the recommendation of the Faculty, be admitted to the degree of Master of Mathematical Science.

4 Qualification requirements

4.1 To qualify for the degree a candidate shall:

- (a) pass such examination on the candidate's course of advanced study as may be required by the Faculty; and
- (b) present a satisfactory dissertation on the candidate's project.

5 Project work

5.1 Subject to such conditions as it may determine, the Faculty may permit project work to be undertaken outside the University provided that it can be satisfied:

- (a) that this will result in mutual academic benefit to the candidate and the supervising department;
- (b) that there will be adequate contact and interaction between the candidate and the supervising department; and
- (c) that the supervisor's access to any experimental work, the candidate's availability for seminars and other discussions, and the publication of results will not thereby be prejudiced.

6 Review of academic progress

6.1 If in the opinion of the School of Mathematical and Computer Sciences a candidate is not making satisfactory progress the Faculty may, with the consent of the Council, terminate the candidature.

7 Preliminary work

7.1 A person whose qualifications have been accepted under 1.1(a) shall be deemed to have satisfied the requirements of this schedule.

7.2 A candidate admitted under either 1.1(b) or 1.2 shall complete the requirements of this Rule by undertaking, and satisfying the examiners in, such courses of study and/or other work as may in his or her case be prescribed by the School of Mathematical and Computer Sciences. The purpose of this schedule is that the person should demonstrate the ability to perform at Honours standard.

8 Courses of study and project work

8.1 The program of study and project work to the value of at least 24 points shall consist of:

(a) supervised project work consisting of one of the following:

2427 Masters Applied Mathematics Minor Project	5
8223 Masters Applied Mathematics Major Project	7.5
4818 Masters Mathematical Physics Minor Project	5
4495 Masters Mathematical Physics Major Project	7.5
2545 Masters Pure Mathematics Minor Project	5
7538 Masters Pure Mathematics Major Project	7.5
2159 Masters Statistics Minor Project	5
2750 Masters Statistics Major Project	7.5

(b) a seminar presentation consisting of one of the following:

3672 Masters Seminar (Applied)	1.5
8042 Masters Seminar (Pure)	1.5
3652 Masters Seminar (Statistics)	1.5

note: Intending students should consult the relevant department early in the year in which they plan to study in order to ascertain whether particular subjects will be available in that year, which semester they will be taught and their precise content

(c) subjects:

(i) chosen from the following list

Applied Mathematics	
5507 Advanced Hydrodynamics	2.5
5383 Aerodynamics	2.5
8510 Applied Mathematics Honours Topic A	2.5
6501 Applied Mathematics Honours Topic B	2.5
5819 Applied Mathematics Honours Topic C	2.5
1128 Applied Mathematics Honours Topic D	2.5
8796 Applied Mathematics Honours Topic E	2.5
8191 Applied Mathematics Honours Topic F	2.5
8918 Asymptotic Approximations	2.5
8943 Boundary Value Problems	2.5
6779 Chaos and Fractals	2.5
5621 Combinatorial Optimisation	2.5
6426 Communication Network Design (Masters)	2.5
5061 Continuum Mechanics	2.5
1405 Financial Derivatives	2.5
6574 Finite Difference Methods for PDEs	2.5
6650 Foundations of Financial Economics	2.5
6130 Martingales	2.5
6576 Mathematical Economics (Masters)	2.5
4820 Mathematical Methods (Masters)	2.5
4645 Modelling and Analysis of Computer Networks	2.5
6071 Networks of Queues	2.5
5136 Robotics	2.5
5440 Stochastic Differential Equations	2.5
8250 Stochastic Processes	2.5
4169 Systems of Queues	2.5
1178 Teletraffic Models (Masters)	2.5
4957 Tidal Models	2.5
3848 Transform Methods and Signal Processing (Masters)	2.5
2233 Variational Methods for PDEs	2.5

Mathematical Physics

6080	Advanced Electromagnetism	2.5
4928	Cosmology	2.5
3927	General Relativity	2.5
4578	Gauge Theory	2.5
4060	Quantum Mechanics/Particle Physics	2.5
3681	Relativistic Quantum Mechanics and Fields	2.5
5938	Statistical Mechanics/Many-Body Theory	2.5
1679	Topics in Mathematical Physics A	2.5
3348	Topics in Mathematical Physics B	2.5

Pure Mathematics

7757	Galois Theory	2.5
9160	Measure Theory	2.5
1179	Analysis 1	2.5
7745	Analysis 2	2.5
7584	Analysis 3	2.5
4808	Algebra 1	2.5
4276	Algebra 2	2.5
2642	Algebra 3	2.5
1820	Geometry 1	2.5
5477	Geometry 2	2.5
9480	Geometry 3	2.5
1912	Number Theory 1	2.5
8468	Number Theory 2	2.5
7777	Advanced Convexity	2.5
6406	Topology	2.5
2903	Problem Solving	2.5
2342	Coding Theory	2.5
4362	Analysis and Signal Processing	2.5
1512	Set Theory	2.5
4122	History of Mathematics (Masters)	2.5
7965	Pure Mathematics Honours Topic A	2.5
1538	Pure Mathematics Honours Topic B	2.5
9735	Pure Mathematics Honours Topic C	2.5
5344	Pure Mathematics Honours Topic D	2.5

Statistics

7464	Advanced Multivariate Methods	2.5
2466	Advanced Nonparametric Statistics	2.5
8331	Statistical Software (Masters)	2.5
3228	Analysis of Repeated Measures	2.5
9553	National Markets Statistics	2.5
6061	Advanced Experimental Design	2.5
9148	Regression Diagnostics	2.5
1884	Advanced Medical Statistics	2.5
9348	Advanced Inference	2.5
2684	Statistics Honours Topic A	2.5
6827	Statistics Honours Topic B	2.5
7467	Statistics Honours Topic C	2.5
4013	Statistics Honours Topic D	2.5

(ii) Other subjects offered by the University of Adelaide or other tertiary institutions in South Australia which are accepted by the Faculty as being equivalent to those listed above.

(iii) Students may present other relevant subjects or work, to the value of at most five points, as may be approved by the School of Mathematical and Computer Sciences.

8.2 The availability of all subjects in any year is conditional on there being adequate staffing levels.

Syllabuses

Prospective students should consult the Department early in the year in which the course is being offered to obtain advice as to the specific content of the course. The field of study of the major and minor projects can also be determined at that time.

Master of Mathematical Sciences (Signal and Information Processing)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

- 1.1 The following may be accepted as a candidate for the degree:

Any person who has qualified for an Honours degree of Bachelor of Science in either Mathematics or Physics or a degree of Bachelor of Engineering (Electrical and Electronic) with Honours of the University of Adelaide, or for an equivalent degree of another tertiary institution accepted for the purpose by the University.

- 1.2 Graduates with Honours in other areas of Engineering, or in related scientific areas, may be accepted at the discretion of the Faculty.

- 1.3 Subject to the approval of the Council, the Faculty may, in exceptional circumstances and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not qualify under 1.1 or 1.2 but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Duration of course

- 2.1 A candidate shall:

- complete any preliminary work which may be prescribed;
- undertake an approved program of advanced study which extends over one and a half years if taken full-time or not less than three and not more than six years if taken part-time.

3 Qualification requirements

- 3.1 To qualify for the degree a candidate shall:

- comply with conditions as prescribed in the Specific Course Rules; and
- pass such examinations on the candidate's course of advanced study as may be required by the Faculty.

4 Unacceptable combinations of subjects

- 4.1 Except as provided in 7.4, a candidate may not count towards the degree a subject or closely related subject or part of a subject that has already been presented for another degree or diploma.

5 Review of academic progress

- 5.1 If in the opinion of the School of Mathematical and Computer Sciences a candidate for the degree is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature.

6 General

- 6.1 A candidate who fulfils the foregoing requirements shall, on the recommendation of the School of Mathematical and Computer Sciences, be admitted to the degree of Master of Mathematical Sciences (Signal and Information Processing).

7 Courses of study

- 7.1 A candidate for the degree shall regularly attend lectures and tutorials, do such written and practical work as may be prescribed, and satisfactorily complete subjects to the value of at least 36 points as defined in 7.2.

- 7.2 The program of study to the value of at least 36 points shall consist of:

- (i) subjects to the value of at least 20 points selected from:

6215 Adaptive Signal Processing	2
6870 Beamforming and Array Processing	2
3938 Coding and Cryptology III	2
6880 Detection, Estimation and Classification	2
4105 Image Processing	2
1519 Information Theory	2

7216	Introduction to Discrete Linear Systems	2
1724	Kalman Filtering and Tracking	2
1074	Multisensor Data Fusion	2
5173	Signal Processing Applications	2
8204	Signal Synthesis and Analysis	2

(ii) Honours and other relevant subjects offered by the University of Adelaide or other tertiary institutions in South Australia as may be approved by the School of Mathematical and Computer Sciences.

(iii) supervised project work consisting of the subject:
4302 Mathematical Signal & Information Processing Project 4

note: Intending students should consult the relevant department early in the year in which they plan to study in order to ascertain whether particular subjects will be available in that year, which semester they will be taught and their precise content

7.3 Students who have already acquired an extensive knowledge of the material covered in any of the subjects listed in 7.2 above may, with the permission of the Faculty, replace that subject with a Directed Reading subject chosen from the following:

8125	Directed Reading A	2
2859	Directed Reading B	2

The content and assessment of these subjects will be determined in each case by the academic coordinator of the course in consultation with the student's supervisor and the student. A maximum of two subjects listed in 7.2 may be replaced by Directed Reading subjects.

7.4 Students with significant previous experience and involvement with projects may apply to the Faculty for permission to replace the 4-point project in 7.2 (iii) with subjects to the value of no more than 4 points chosen from the following:

3982	Directed Reading and Seminar Major	4
9707	Directed Reading and Seminar Minor	2

and the subject not already taken from 7.2 (i) 2

7.5 Students who are required to undertake preliminary work will normally enrol in one of the following subjects:

3483	Qualifying Studies in Mathematics (Part-time)	12
4508	Qualifying Studies in Mathematics (Full-time)	12

On satisfactory completion of this work the student will proceed to study as outlined in 7.2 above.

7.6 The School of Mathematical and Computer Sciences may grant status of up to 12 points for studies undertaken within an Honours degree in either Mathematics or Physics, or a degree of Bachelor of Engineering (Electrical and Electronic) with Honours of the University of Adelaide, or within an equivalent degree of another tertiary institution. These candidates will still need to present a minimum of 24 points towards the Master of Mathematical Sciences (Signal and Information Processing) that have not been presented for any other degree.

7.7 Candidates who are granted exemption from one or more of the subjects listed in 7.2 (i) on the basis of previous studies may select in their place other relevant subjects offered by the University of Adelaide or other tertiary institutions in South Australia as may be approved by the School of Mathematical and Computer Sciences.

7.8 The availability of all subjects is conditional on there being adequate staffing and resources.

Syllabuses

Prospective students should consult the course coordinator early in the year in which the course is being offered regarding the content of the specific subjects that are to be offered in that year.

textbooks

Information on appropriate textbooks will be provided by the subject coordinator at the commencement of each subject.

examinations

For each subject students may obtain from the subject coordinator details of the examination in that subject including the relevant weight given to the components (eg such as the following as are relevant: assessments, semester or mid-semester tests, essays or other written or practical work, final written examinations, *viva voce* examinations).

Master of Science in the School of Mathematical and Computer Sciences

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission

1.1 The following persons may become candidates for the degree of Master of Science in the School of Mathematical and Computer Sciences: (a) Bachelors of Arts, (b) Bachelors of Science, (c) other graduates whose academic qualifications are accepted by the School of Mathematical and Computer Sciences as sufficient.

1.2 Provided that, subject to the approval of the Board of Graduate Studies acting with authority wittingly devolved to it by Council, the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not hold a degree of a university, but has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

1.3 Unless an applicant has obtained an Honours degree from a University in a suitable Mathematical and Computer Sciences discipline or a qualification deemed by the Faculty to be equivalent, the applicant shall, before being admitted as a candidate, pass such qualifying examination as the Faculty may in the circumstances determine.

1.4 A person seeking enrolment as a candidate for the degree shall apply to the Registrar and shall submit as part of that application, a statement of that person's academic standing, accompanied, in the case of a person who is not a graduate of the University of Adelaide, by acceptable proof of such standing. Each applicant shall submit an outline of the research work or investigation on which it is intended to submit a thesis. The Faculty, if it approves the subject of this research, may appoint a supervisor to guide the candidate in the work.

2 Duration of course

2.1 A candidate may proceed to the degree by full-time study; or, with the approval of the department concerned and subject to any

conditions imposed in the particular case, by part-time study; or, as an external student. Except by special permission of the School, the work for the degree shall be completed and the thesis submitted:

- (a) in the case of a full-time candidate, not less than one year or more than three years from the date of candidature accepted by the Faculty;
- (b) in the case of a part-time or external candidate, not less than two years nor more than six years from the date of candidature accepted by the Faculty.

3 Qualification requirements

3.1 To qualify for the degree a candidate shall submit a thesis upon an approved subject and shall adduce sufficient evidence that the thesis is his or her own work. The thesis shall give the results of original research or of an investigation on which the candidate has been engaged. A candidate may also submit other contributions to mathematical sciences in support of his or her candidature.

4 Review of academic progress

4.1 A candidate's progress shall be reviewed annually by the Faculty, under the provisions of clause 4C of Chapter XXV of the Statutes.

5 Assessment and examinations

5.1 The Faculty shall appoint a Board of Examiners to report upon the thesis and any supporting papers that the candidate may submit. The Board of Examiners may require any candidate to pass an examination in the branch of science to which the candidate's original research or investigation is cognate.

5.2 A candidate for the degree of Doctor of Philosophy whose work is considered by the Faculty, after report by the examiners appointed to adjudicate upon it, not to be of sufficient merit to qualify for the degree of Doctor but of

sufficient merit for the degree of Master may be admitted to the degree of Master provided that the candidate is qualified to become a candidate for the degree.

- 5.3 On completion of the work a candidate shall lodge with the Registrar three copies of the thesis prepared in accordance with directions given to candidates from time to time. Refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume.
- 5.4 A candidate who complies with the foregoing conditions and satisfies the Board of Examiners shall on the recommendation of the School of Mathematical and Computer Sciences be admitted to the degree of Master of Science in the School of Mathematical and Computer Sciences.

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Master of Dental Surgery (Endodontics)

Master of Dental Surgery (Forensic Odontology)

Master of Dental Surgery (General Dental practice)

Master of Dental Surgery (Gerodontics)

Master of Dental Surgery (Oral and Maxillo-Facial Surgery)

Master of Dental Surgery (Oral Pathology)

Master of Dental Surgery (Orthodontics)

Master of Dental Surgery (Paediatric Dentistry)

Master of Dental Surgery (Periodontics)

Master of Dental Surgery (Prosthodontics)

Master of Dental Surgery (Tropical Oral Pathology)

Master of Science in Dentistry

Doctor of Dental Science

Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General Course Rules to the Convenor of the Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific Course Rules to the Executive Deans of Faculties.
- 3 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty. The Head of department or centre and the Principal of the School of Dental Therapy may approve minor changes to any previously approved syllabus.
- 4 There is also a Doctor of Dental Science (D.D.Sc.) whose rules are available on application to the School office.

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Graduate Certificate in Human Anatomy
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Graduate Diploma in Occupational Health and Safety Management
Graduate Diploma in Palliative Care Nursing#
Graduate Diploma in Peri-Operative Nursing#
Graduate Diploma in Psychotherapy
Graduate Diploma in Public Health
Graduate Diploma in Surgical Nursing#
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Master of Medical Science
Master of Nursing Science
Master of Occupational Health and Safety
Master of Psychology(Clinical)
Master of Public Health
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course being discontinued. Refer to 1999 Calendar for Specific Course Rules.

Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General Course Rules to the Convenor of the Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific Course Rules to the Executive Deans of Faculties.
- 3 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty. The Head of department or centre may approve minor changes to any previously approved syllabus.
- 4 The Faculty also offers a Doctor of Medicine (M.D.) governed by its own sets of Rules as printed in this volume of the Calendar.

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Graduate Certificate in Dentistry

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Note: Postgraduate tuition fees apply to this course

Specific Course Rules

1 Admission requirements

- 1.1 The Dental School may accept as a candidate for the Graduate Certificate any person who:
- has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery
 - has qualified in another university for a degree or degrees in dentistry which the Dental School regards as equivalent for the purpose to the qualification specified in Specific Course Rule 1.1(a) hereof

2 Duration of course

- 2.1 To qualify for the Graduate Certificate a candidate shall:
- complete satisfactorily an approved course of study extending over a period of not more than three years as a part-time candidate and
 - pass such written, oral, clinical and practical examinations as may be required by the Dental School.
- 2.2 The programme of study, examination and such other work as may be required and the period of study for each candidate shall be specified by the Dean and approved by the Dental School.
- 2.3 Unless the Dental School, on the advice of the Dean, approves an extension of time in a particular case, the work for the Graduate Certificate shall be completed within the period of study approved for the particular candidate under Specific Course Rule 2.1.

3 Review of academic progress

- 3.1 A candidate's progress may be reviewed at any time by the Dean. If, in the opinion of the Dental School a candidate is not making satisfactory progress the Dental School may, with the consent of Council, terminate the candidature.

4 Assessment and examinations

- 4.1 A candidate shall not be eligible to present for examination unless the required course of study has been completed to the satisfaction of the Dean.

- 4.2 The Dental School shall appoint examiners for written, oral, clinical and other assessments.

- 4.3 There shall be two types of classifications of pass in any subject for the Graduate Certificate: Non Graded Pass; or Pass with High Distinction, Pass with Distinction, Pass with credit and Pass

5 General

- 5.1 To qualify for the Graduate Certificate, a candidate shall satisfactorily complete Graduate Certificate in Dentistry subjects to an aggregate of 12 points.

6 Course of study/Subjects of study

- 6.1 All students shall satisfactorily complete the compulsory subject

1089 Contemporary Dental Practice * 6

Students shall complete elective subjects to the value of six points taken from the following (subject to availability):

8170 Adhesive Dentistry C	2
8187 Advanced Restorative Dentistry C	2
2866 Endodontics C	2
2625 High Risk Caries C	2
5727 Implantology C	2
6194 Occlusion/TMJ Dysfunction C	2
4735 Oral Pathology-Oral Medicine C	2
1824 Oral Surgery C	2
6456 Orthodontics C	2
6003 Periodontics C	2
4877 Removable Prosthodontics (full) C	2
6605 Removable Prosthodontics (partial) C	2
8123 Special Patient Care C	2
9852 Dental Wear C	2

Other subjects as they become available

* Available in External Mode only

7 Articulation with other awards

Students who complete the Graduate Certificate are eligible to apply for entry to the Graduate Diploma in Clinical Dentistry course and if successful on gaining entry, receive status for studies they have undertaken in the Graduate Certificate.

Syllabuses

note: all subjects are available through open learning

8170 Adhesive Dentistry C

2 points

This subject covers in detail the theory and techniques applying to mechanisms of adhesion of materials to teeth and the reasons for success or failure.

assessment: Satisfactory participation in technical projects and seminar performance.

8187 Advanced Restorative Dentistry C

2 points

This module covers recent trends in crown and bridge work and the dental materials related to the area. Topics covered include diagnosis and treatment planning for crown and bridge work, design of preparations, occlusion, impression materials, recording inter-maxillary relationships, fabrication and cementation of temporary restorations and selection and manipulation of crown and bridge cements.

assessment: seminar performance, technique work

1089 Contemporary Dental Practice

6 points

An external study mode module which aims to review and update current concepts in: Advanced Restorative; Basic Restorative; Behavioural Science; Community Dentistry; Dental Materials; Endodontics; Implants; Infection Control; Oral Medicine; Oral Pathology; Oral Surgery; Orthodontics, Pain Control; Pedodontics; Periodontics; Pharmacology; Preventive Dentistry; Radiology; Removable Prosthodontics; TMJ Dysfunction.

assessment: multiple choice questions, short or long essay papers; two Interviews

2866 Endodontics C

2 points

This module covers the diagnosis of pulpal and periapical conditions, emergency treatment procedures, vital pulp therapy and non vital pulp therapy. Areas covered include consideration of microbiological and immunological aspects, instrumentation, medication and root filling techniques. Periapical surgery management of traumatic injuries bleaching and apification will also be included.

assessment: seminar performance, technique work

2625 High Risk Caries C

2 points

This module covers the assessment of oral disease and related problems, identification of prevention and control measures, selection of appropriate measures and evaluation of the results.

assessment: seminar performance, clinical work

5727 Implantology C

2 points

This subject covers the basic principles of osseointegration for single tooth treatment, treatment of edentulous ridges and the assessment of sites for implant placement.

assessment: seminar performance, open learning

6194 Occlusion/TMJ Dysfunction C

2 points

This subject is designed to update the general and specialist practitioner on current concepts of craniomandibular disorders. The subject will cover the sequelae of masticatory muscle hyperactivity and the progression from myogenous to arthrogenous dysfunction.

assessment: seminar performance, clinical work

4735 Oral Pathology-Oral Medicine C

2 points

This subject reviews common and/or important topics in Oral Pathology and demonstrates their laboratory and clinical applications. The course is a combination of review presentations, seminars and clinical demonstrations.

Participants will be sent reading materials prior to the course. Prior completion of the Oral Pathology Study Module will be an advantage to candidates. Participants will be asked to bring along interesting or problem cases for discussion.

assessment: seminar performance, satisfactory attendance/performance in clinical sessions; any assigned work

1824 Oral Surgery C

2 points

The subject covers academic and clinical aspects of modern dento-alveolar surgery relevant to general dental practitioners including removal of teeth.

assessment: seminar performance, clinical work

6456 Orthodontics C

2 points

This subject covers the principles of examination and orthodontic diagnosis on patients which includes the use of cephalometrics and radiology, the properties and uses of orthodontic materials and clinical orthodontic treatment, particularly with removable appliances.

assessment: seminar performance, open learning

6003 Periodontics C

2 points

This subject is aimed for the general practitioner wishing to upgrade skills in diagnosis, treatment planning and simple surgical procedures, including frenectomies and grafts and use of gortex membranes where applicable.

assessment: seminar performance, clinical work

4877 Removable Prosthodontics (Full) C

2 points

This subject covers at an advanced level the management of edentulous patients. Students will undertake diagnosis and treatment planning for complete and immediate dentures.

assessment: seminar performance, clinical work

6605 Removable Prosthodontics (Partial) C

2 points

This subject covers at an advanced level the management of partially edentulous patients. Students will undertake diagnosis and treatment planning for removable partial dentures.

assessment: seminar performance, clinical work

8123 Special Patient Care C

2 points

This subject deals with clinical management of physically, intellectually and medically compromised patients. Students will learn broad principles of treatment relating to patients who have haemophilia, head and neck tumours, organ transplants and HIV/AIDS and the management of patients with physical and intellectual disabilities.

assessment: seminar performance, open learning

9852 Dental Wear C

2 points

The aim of this subject is to help the general practitioner to clinically identify and fully understand the nature of different wear mechanisms that act on teeth and restorative materials. The focus will be on how to clinically assess patients. Emphasis will also be given to occlusion as a dynamic entity when considering treatment options. Participants will be brought up to date with current research.

assessment: seminar performance and participation in general discussions

Graduate Diploma in Clinical Dentistry

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course

Specific Course Rules

1 Admission requirements

1.1 The Dental School may accept as a candidate for the Graduate Diploma any person who:

- (a) has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery *or*
- (b) has qualified in another university for a degree or degrees in dentistry which the Dental School regards as equivalent for the purpose to the qualification specified in Specific Course Rule 1.1(a) hereof.

2 Duration of course

2.1 To qualify for the Graduate Diploma, a candidate shall:

- (a) complete satisfactorily an approved course of study extending over at least one year as a full-time student, or with approval of Dental School, over a period of not more than three years as a part-time candidate *and*
- (b) pass such written, oral, clinical and practical examinations, and submit such reports as may be required by the Dental School.

2.2 The program of study, examination, reports and such other work as may be required and the period of study for each candidate shall be specified by the Dean and approved by the Dental School.

2.3 Unless the Dental School, on the advice of the Dean, approve an extension of time in a particular case, the work for the Graduate Diploma shall be completed within the period of study approved for the particular candidate under Specific Course Rule 2.1.

3 Review of academic progress

3.1 A candidate's progress may be reviewed at any time by the Dean. If, in the opinion of the Dental School a candidate is not making satisfactory progress the Dental School may, with the consent of Council, terminate the candidature.

4 Assessment and examinations

4.1 There shall be four classifications of pass in subjects for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

4.2 A candidate shall not be eligible to present for examination unless the required course of study has been completed to the satisfaction of the Dean.

4.3 The Dental School shall appoint examiners for written, oral, clinical and other assessments.

5 General

5.1 A candidate who complies with the foregoing conditions and satisfies the examiners and the Dental School shall be awarded the Graduate Diploma of Clinical Dentistry.

5.2 No candidate will be permitted to count for the Graduate Diploma in Clinical Dentistry any subject that in the opinion of the Dental School contains substantially the same material as any subject which he or she presented already for another qualification, other than the Graduate Certificate in Dentistry and then only upon its surrender

6 Course of study

The course of study shall be in one of two streams. Candidates are required to complete satisfactorily subjects to the value of 24 points in one of the following streams:

6.1 Stream A

Candidates shall satisfactorily complete

- (a) the following compulsory subjects:

1089	Contemporary Dental Practice	6
5305	Research Methods and Ethics	2
- (b) elective subjects to the value of 16 points taken from the following*:

8170	Adhesive Dentistry C	2
8187	Advanced Restorative Dentistry C	2

2866 Endodontics C	2
2625 High Risk Caries C	2
5727 Implantology C	2
6194 Occlusion / TMJ Dysfunction C	2
4735 Oral Pathology-Oral Medicine C	2
1824 Oral Surgery C	2
6456 Orthodontics C	2
6003 Periodontics C	2
4877 Removable Prosthodontics (Full) C	2
6605 Removable Prosthodontics (Partial) C	2
8123 Special Patient Care C	2
9852 Dental Wear C	2

Other clinical subjects may be considered from time to time.

* See Graduate Certificate in Dentistry for syllabus details

6.2 Stream B

Candidates shall satisfactorily complete

(a) the following subjects:

4660 Basic and Applied Dental Sciences	2
5305 Research Methods and Ethics	2

(b) elective subjects to the value of 20 points taken from the following:

8241 Advanced Restorative Dentistry D	4
4269 Community and Preventive Dentistry D	4
9275 Dentistry for the Medically Compromised D	4
6028 Dento-Maxillo-Facial Radiology D	4
1398 Endodontics D	4
2031 Forensic Odontology D	4
8120 Oral Surgery D	4
5512 Orthodontics D	4
3767 Periodontics D	4
3979 Prosthodontics D	4
8106 Tooth Wear D	4

Other clinical subjects may be considered from time to time.

Syllabuses

8241 Advanced Restorative Dentistry D

4 points full year

This subject covers in detail the theory and techniques applying to mechanisms of adhesion of materials to teeth and the reasons for success or failure.

assessment: satisfactory participation in technical projects and seminar performance.

4660 Basic and Applied Dental Sciences

4 points semester 2

See M.D.S. (Community and Preventive Dentistry) for syllabus details

4269 Community and Preventive Dentistry D

4 points full year

This subject covers the nature and distribution of oral diseases and related problems, their aetiology and prognosis, and clinical interventions that may prevent or control them at an individual or population level.

assessment: continuous assessment; assignments; open book, written exam

9275 Dentistry for the Medically Compromised D

4 points semester 1 or 2

This subject deals with clinical management of medically compromised patients. Students will learn principles of treatment relating to patients who have haemophilia, head and neck tumours, organ transplants and HIV/AIDS. Students will also become familiar with relevant laboratory and clinical diagnostic tests.

assessment: seminar performance, clinical work

6028 Dento-Maxillo-Facial Radiology D

4 points semester 1 or 2

This subject addresses techniques and advances in dental radiology with reference to biological and radiological sciences, radiography and radiology, coupled with diagnostic skills relating to aspects of oral pathology, oral diagnosis and oral medicine.

assessment: continuous clinical assessment via log book and case studies; assignments; written exam

1398 Endodontics D

4 points semester 1 or 2

This subject covers the diagnosis of pulpal and periapical conditions, emergency treatment procedures, vital and non-vital pulp therapies. Areas covered include consideration of microbiological and immunological aspects, instrumentation, medication and root filling techniques, periapical surgery, management of traumatic injuries, bleaching and apification

assessment: seminar performance, clinical work

2031 Forensic Odontology D

4 points semester 1 or 2

This subject covers the history of forensic odontology, current principles and trends in the methods of forensic odontology with particular emphasis on identification and bite mark analysis techniques.

assessment: seminar performance, casework

8120 Oral Surgery D

4 points semester 1 or 2

This subject covers academic and clinical aspects of modern oral and maxillofacial surgery relevant to general dental practitioners including removal of teeth and dento-alveolar surgery.

assessment: seminar performance, clinical work

5512 Orthodontics D

4 points semester 1 or 2

This subject covers the principles of examination and orthodontic diagnosis on patients which includes the use of cephalometrics and radiology, the properties and uses of orthodontic materials and clinical orthodontic treatment, particularly with removable appliances.

assessment: seminar performance, clinical skills

3767 Periodontics D

4 points semester 1 or 2

This subject covers the aetiology and epidemiology of periodontal disease and clinical management of patients with periodontal disease. Areas covered include examination procedures and recording of data, clinical diagnosis and classification, dental education and motivation, treatment planning, periodontal treatment and assessment.

assessment: seminar performance, casework

3979 Prosthodontics D

4 points semester 1 or 2

This subject covers at an advanced level the management of edentulous and partially edentulous patients. Students will undertake diagnosis and treatment planning for removable complete and partial dentures.

assessment: seminar performance, clinical work

5305 Research Methods and Ethics

2 points semester 2

See M.D.S. (Community and preventive Dentistry) for syllabus details

8106 Tooth Wear D

4 points semester 1 or 2

Students will acquire an understanding of the significance of tooth wear from an anthropological and clinical perspective, will be able to clinically assess the various tooth wear processes commonly affecting patients and will acquire a knowledge of different treatment and monitoring techniques as they relate to tooth wear.

assessment: seminar performance, clinical work

Graduate Diploma in Forensic Odontology

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Diploma shall have qualified for the degree of Bachelor of Dental Surgery in the University of Adelaide, or hold qualifications in Dentistry from another institution accepted for the purpose by the University.
- 1.2 Subject to the approval of the Council, the Dental School may accept as a candidate an applicant who does not satisfy the requirements of Specific Course Rule 1.1 above but who have given evidence satisfactory to the Dental School of fitness to undertake advanced work in dentistry.

2 General

- 2.1 For each candidate, the Dental School shall appoint a supervisor or supervisors for guidance.
- 2.2 A candidate for the diploma shall regularly attend lectures and tutorials, do such written, clinical and other practical work, and pass such examinations, as may be required by the Dean of the Dental School.
- 2.3 Students shall at all times be under the direction and supervision of a member of the teaching staff, duly appointed by the Director of the Forensic Odontology Unit, and shall carry out such work as shall be allocated.

3 Duration of course

- 3.1 To qualify for the Diploma a candidate shall satisfactorily complete a course of full-time study extending over one year, or of part-time study extending over at least two years. Except with special permission of the Dental School, the course for the Graduate Diploma shall be completed in not more than three years.

4 Assessment and examinations

- 4.1 The Dental School may appoint a Board of Examiners to carry out or supervise the examination of candidates for the Graduate Diploma in accordance with the schedules and syllabuses.

- 4.2 A candidate shall not be eligible to attend for examination unless the prescribed course of study has been completed to the satisfaction of the Dean of the Dental School.

5 Qualification requirements

- 5.1 To qualify for the diploma a candidate shall pass the following subjects
 - 3914 Anatomy and Forensic Anthropology
 - 4660 Basic and Applied Dental Sciences
 - 6760 Casework in Forensic Odontology
 - 9472 Oral and Forensic Pathology
 - 8843 Principles and Methods of Forensic Odontology
 - 5305 Research Methods and Ethics

6 Review of academic progress

- 6.1 If in the opinion of the Dental School a candidate is not making satisfactory progress, the Dental School may, with the consent of Council, terminate the candidature.

Syllabuses

3914 Anatomy and Forensic Anthropology

4 points full year

The scope and history of physical anthropology generally and in South Australia. Osteology of the skull. Comparative anatomy and evolution of head form and the masticatory system. Principles and methodology for study of human growth and development. Craniofacial growth and development and normal age changes. Human and dental genetics. Craniofacial malformations and paleopathology. Somatometry, craniometry and cephalometry with emphasis on new imaging techniques. Osteology of race. Disaster victim identification including cultural factors, management and international protocol.

assessment: to be advised

4660 Basic and Applied Dental Sciences

2 points semester 2

See M.D.S.(Comm. & Prev. Dent.) for syllabus details

6760 Casework in Forensic Odontology

8 points full year

Supervision as required

The subject will require students to participate in routine casework undertaken by the Forensic Odontology Unit including attendance at Coroner's mortuary and Courts of Law. Students will undertake a small research project in an approved topic.

assessment: to be advised

9472 Oral and Forensic Pathology

4 points full year

2 hour seminar per week

This subject introduces general principles of forensic pathology. Emphasis is given to diagnosis and time of death, rigor mortis, time since death, age at death. Methods of forensic pathology examinations and identification of the dead are introduced including medical identification, injuries, serology and DNA identification. Age determination by dental methods and dental histopathology.

assessment: to be advised

8843 Principles and Methods of Forensic Odontology

4 points full year

2 hour seminar per week

History and role of forensic odontology in community dentistry. Legal systems and role and jurisdiction of courts of law. The coronial system and practice of the Coroner's Office. Expert evidence. Methods of investigation of civil and criminal matters. Relationship of police to forensic odontology. Preservation and recovery of dental evidence from scene. Forensic dental photography. Principles and techniques of video and computer imaging in cranio facial superimposition. Procedures for investigation of bitemarks.

assessment: to be advised

5305 Research Methods and Ethics

2 points semester 1

See M.D.S.(Comm.& Prev. Dentistry) for syllabus details

Master of Dental Surgery (Community and Preventive Dentistry)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: tuition fees apply to this course

Specific Course Rules

1 Admission requirements

1.1 The Dental School may accept as a candidate for the degree any person who:

- (a) has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery, or has qualified in another university for a degree or degrees in dentistry which the Dental School regards as equivalent *and*
- (b) has completed at least two years of relevant practical experience since qualifying for that degree.

1.2 A person who wishes to become a candidate for the degree shall apply to the Registrar.

2 Duration of course

2.1 To qualify for the degree a candidate shall satisfactorily complete a course of study and a research project on a topic approved by the Dental School.

2.2 Unless the Dental School expressly approves an extension of time in a particular case, the work for the degree shall be completed and the research report submitted:

- (a) in the case of a full-time candidate, in not less than two and not more than three calendar years from the date of admission to candidature or
- (b) in the case of a half-time candidate who is able to devote at least half of the time to the approved program of work for the degree, in not less than four and not more than six calendar years from the date of admission to candidature.

3 Supervision

For each candidate, the Dental School shall appoint a principal supervisor from the discipline of Community and Preventive Dentistry and co-supervisor(s) for guidance.

4 Subjects of study and research projects

Candidates shall satisfactorily complete:

- (a) the following subjects:

4660	Basic and Applied Dental Sciences	2
5305	Research Methods and Ethics	2
- (b) the following subjects unless the Dental School specially approves otherwise

4870	Community and Preventive Dentistry VI	12
8786	Community and Preventive Dentistry VII	16
- (c) the following four subjects which shall be taken sequentially:

5016	MDS Research A	4
1975	MDS Research B	4
2536	MDS Research C	4
1167	MDS Research D	4

5 Review of academic progress

5.1 There shall be a Master's Examination Committee which shall consist of the Principal Supervisor and the Postgraduate Coordinator.

5.2 There shall be a Master's Examination Committee which shall consist of the Principal Supervisor and the Postgraduate Coordinator.

5.2 For each candidate the Dental School shall appoint a Master's Examination Committee which shall:

- (a) recommend the appointment of examiners under Specific Course Rule 6.1.1 and 6.2.2
- (b) consider the reports of the examiners of the research report and the results of any examination and
- (c) recommend the appointment of examiners to examine a candidate under Specific

Course Rule 6.2.3 if it concurs with a recommendation by the examiners under that Rule.

- 5.3 A candidate's progress shall be reviewed by the Master's Examination Committee at the end of the first year of the course or after two years in the case of a half-time candidate. If, in the opinion of the Committee, a candidate is not making satisfactory progress the Dental School may, with the consent of the Council, terminate the candidature.

6 Assessment and examinations

6.1 Research component

- 6.1.1 On completion of their research candidates shall lodge with the Registrar three copies of the research report for assessment which shall be prepared in accordance with directions given from time to time. Candidates should refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume.
- 6.1.2 The Dental School shall appoint two examiners external to the Dental School.
- 6.1.3 The examiners may recommend that a candidate be examined orally or otherwise on the subject of the research report and the general field of knowledge in which it falls.

6.2 Recommendations of Master's Examination Committee

The Master's Examination Committee may recommend to Dental School through the Higher Degrees and Scholarships Committee that the candidate:

- (a) be awarded the degree
- (b) be awarded the degree subject to such minor amendments of the research report as the examiners may have suggested
- (c) be not awarded the degree but be allowed to revise and resubmit the research report within such period as the Dental School may allow *or*
- (d) be not awarded the degree.

Syllabuses

4660 Basic and Applied Dental Sciences

2 points semester 2

2 hours per week

prerequisite: 5305 Research Methods and Ethics

The course of seminars aims to provide postgraduate students with a broad appreciation of current knowledge in the basic and applied dental sciences, and to enable them to become acquainted with research programs within the Dental School.

assessment: to be advised

4870 Community and Preventive Dentistry VI

12 points not offered in 2000

12 hours per week

corequisites: 5305 Research Methods and Ethics, 4660 Basic and Applied Dental Sciences

Lectures, seminars and practicals covering the nature and distribution of oral diseases and related problems, their aetiology and prognosis, and clinical interventions that may prevent or control them at an individual or population level.

assessment: continuous - assignments, open book exam

8786 Community and Preventive Dentistry VII

16 points not offered in 2000

16 hours per week

prerequisite: 4870 Community and Preventive Dentistry VI

Lectures, seminars and practicals covering the assessment of oral disease and related problems, identification of prevention and control measures, selection and implementation of appropriate measures and evaluation of the results.

assessment: continuous - assignments, open book exam

5016 MDS Research A

4 points semester 1 or 2

10 hours per week

Students will undertake a research project related to the discipline named on the degree.

assessment: demonstration of progress within research project; submission of research proposal

1975 MDS Research B

4 points semester 1 or 2

10 hours per week

prerequisite: 5016 MDS Research A

Students will undertake a research project related to the discipline named on the degree.

assessment: demonstration of progress within research project; completion of literature review

2536 MDS Research C

4 points semester 1 or 2

10 hours per week

prerequisite: 1075 MDS Research B

Students will continue a research project related to the discipline named on the degree.

assessment: demonstration of progress within research project; completion of experimental work

1167 MDS Research D

4 points semester 1 or 2

10 hours per week

prerequisite: 5236 MDS Research C

Students will continue a research project related to the discipline named on the degree.

assessment: completion of research project including submission of written report to the Dental School in accordance with Specific Course Rule 5.2.1 of the degree; assessment to satisfaction of Masters Examination Committee

5305 Research Methods and Ethics

2 points semester 1

2 hours per week

The course of seminars provides an appreciation of the scientific method and of ethics as well as practical aspects of biostatistics, experimental design, research methodology, laboratory safety and infection control, use of computers and bibliographic databases, preparation of initial research proposal, evaluation of research papers, scientific writing and presentation of research findings. Where possible, the material presented will be selected to meet the specific requirements of the students enrolled.

assessment: short test in biostatistics, evaluation of short written critique of given scientific paper

Master of Dental Surgery (Dento-Maxillo-Facial Radiology)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 The Dental School may accept as a candidate for the degree any person who:

- (a) has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery, or has qualified in another university for a degree or degrees in dentistry which the Dental School regards as equivalent *and*
- (b) has completed at least two years of relevant practical experience since qualifying for that degree.

1.2 A person who wishes to become a candidate for the degree shall apply to the Registrar.

2 Duration of course

2.1 To qualify for the degree a candidate shall satisfactorily complete a course of study and a research project on a topic approved by the Dental School.

2.2 Unless the Dental School expressly approves an extension of time in a particular case, the work for the degree shall be completed and the research report submitted:

- (a) in the case of a full-time candidate, in not less than two and not more than three calendar years from the date of admission to candidature *or*
- (b) in the case of a half-time candidate who is able to devote at least half of the time to the approved program of work for the degree, in not less than four and not more than six calendar years from the date of admission to candidature.

3 Supervision

For each candidate, the Dental School shall appoint a principal supervisor from the discipline of Dento-Maxillo-Facial Radiology and co-supervisor/s for guidance.

4 Subjects of study and research projects

Candidates shall satisfactorily complete

- (a) the following subjects:

4660	Basic and Applied Dental Sciences	2
5305	Research Methods and Ethics	2
- (b) the following subjects unless the Dental School specially approves otherwise

3804	Dento-Maxillo-Facial Radiology VI	12
2961	Dento-Maxillo-Facial Radiology VII	16
- (c) the following four subjects which shall be taken sequentially:

5016	MDS Research A	4
1975	MDS Research B	4
2536	MDS Research C	4
1167	MDS Research D	4

5 Review of academic progress

5.1 There shall be a Master's Examination Committee which shall consist of the Principal Supervisor and the Postgraduate Coordinator.

5.2 For each candidate the Dental School shall appoint a Master's Examination Committee which shall:

- (a) recommend the appointment of examiners under Specific Course Rule 6.1.1 and 6.2.2
- (b) consider the reports of the examiners of the research report and the results of any examination *and*
- (c) recommend the appointment of examiners to examine a candidate under Specific Course Rule 6.2.3 if it concurs with a recommendation by the examiners under that Rule.

5.3 A candidate's progress shall be reviewed by the Master's Examination Committee at the end of

the first year of the course or after two years in the case of a half-time candidate. If, in the opinion of the Committee, a candidate is not making satisfactory progress the Dental School may, with the consent of the Council, terminate the candidature.

6 Assessment and examinations

6.1 Clinical component

6.1.1 All candidates shall undertake an examination at the end of the first year and at the end of their final year on the content of the course. The examination shall be in several parts including written examination, viva voce and clinical presentation. The Master's Examination Committee shall appoint two examiners to review progress of the candidate of whom at least one of whom shall be external. Should a candidate not succeed in the examination, the candidature will be reviewed by the Master's Examination Committee.

6.2 Research component

6.2.1 On completion of their research candidates shall lodge with the Registrar three copies of the research report for assessment which shall be prepared in accordance with directions given from time to time. Candidates should refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume.

6.2.2 The Dental School shall appoint two examiners external to the Dental School.

6.2.3 The examiners may recommend that a candidate be examined orally or otherwise on the subject of the research report and the general field of knowledge in which it falls.

6.3 Recommendations of Master's Examination Committee

The Master's Examination Committee may recommend to the Dental School through the Higher Degrees and Scholarships Committee that the candidate:

- (a) be awarded the degree
- (b) be awarded the degree subject to such minor amendments of the research report as the examiners may have suggested
- (c) be not awarded the degree but be allowed to revise and resubmit the research report within such period as the Dental School may allow *or*
- (d) be not awarded the degree.

Syllabuses

4660 Basic and Applied Dental Sciences

2 points semester 2

2 hours per week

prerequisites: 5305 Research Methods and Ethics

See M.D.S.(Comm. & Prev. Dent.) for syllabus details

3804 Dental Radiology VI

12 points full year

10 hours per week

corequisites: 5305 Research Methods and Ethics, 4660 Basic and Applied Dental Sciences

The subject comprises advanced aspects of dental radiology, including biological sciences, radiological sciences, radiography and radiology with advanced work being undertaken in the related disciplines of oral pathology, oral diagnosis and oral medicine. Students will attend radiology clinics in the Adelaide Dental Hospital, Royal Adelaide Hospital, Flinders Medical Centre as well as private clinics.

assessment: in consultation with Coordinator.

2961 Dental Radiology VII

16 points not offered in 2000

10 hours per week

prerequisites: 3804 Dental Radiology VI

See 3084 Dental Radiology VI for syllabus details

5016 MDS Research A

4 points semester 1 or 2

10 hours per week

1975 MDS Research B

4 points semester 1 or 2

10 hours per week

2536 MDS Research C

10 points semester 1 or 2

10 hours per week

1167 MDS Research D

4 points semester 1 or 2

10 hours per week

5305 Research Methods and Ethics

2 points semester 1

2 hours per week

See M.D.S.(Comm. & Prev. Dentistry) for syllabus details for these subjects

Master of Dental Surgery (Endodontics)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

- 1.1 The Dental School may accept as a candidate for the degree any person who:
- has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery, or has qualified in another university for a degree or degrees in dentistry which the Dental School regards as equivalent *and*
 - has completed at least two years of relevant practical experience since qualifying for that degree *and*
 - has successfully completed the Primary Examinations of the Royal Australasian College of Dental Surgeons or equivalent.
- 1.2 A person who wishes to become a candidate for the degree shall apply to the Registrar.

2 Duration of course

- 2.1 To qualify for the degree a candidate shall satisfactorily complete a course of study and a research project on a topic approved by the Dental School
- 2.2 Unless the Dental School expressly approves an extension of time in a particular case, the work for the degree shall be completed and the research report submitted:
- in the case of a full-time candidate, in not less than two and not more than three calendar years from the date of admission to candidature *or*
 - in the case of a half-time candidate who is able to devote at least half of the time to the approved program of work for the degree, in not less than four and not more than six calendar years from the date of admission to candidature.

3 Supervision

For each candidate, the Dental School shall appoint a principal supervisor from the discipline of Endodontics and co-supervisor/s for guidance.

4 Subjects of study and research projects

Candidates shall satisfactorily complete:

- the following subjects:

4660 Basic and Applied Dental Sciences	2
5305 Research Methods and Ethics	2
- the following subjects unless the Dental School specially approves otherwise

9642 Endodontics VI	12
9130 Endodontics VII	16
- the following four subjects which shall be taken sequentially:

5016 MDS Research A	4
1975 MDS Research B	4
2536 MDS Research C	4
1167 MDS Research D	4

5 Review of academic progress

- 5.1 There shall be a Master's Examination Committee which shall consist of the Principal Supervisor and the Postgraduate Coordinator.
- 5.2 For each candidate the Dental School shall appoint a Master's Examination Committee which shall:
- recommend the appointment of examiners under Specific Course Rule 6.1.1 and 6.2.2
 - consider the reports of the examiners of the research report and the results of any examination *and*
 - recommend the appointment of examiners to examine a candidate under Specific Course Rule 6.2.3 if it concurs with a recommendation by the examiners under that Rule.
- 5.3 A candidate's progress shall be reviewed by the Master's Examination Committee at the end of the first year of the course or after two years in the case of a half-time candidate. If, in the

opinion of the Committee, a candidate is not making satisfactory progress the Dental School may, with the consent of the Council, terminate the candidature.

6 Assessment and examinations

6.1 Clinical component

6.1.1 All candidates shall undertake an examination at the end of the first year and at the end of their final year on the content of the course. The examination shall be in several parts including written examination, viva voce and clinical presentation. The Master's Examination Committee shall appoint two examiners to review progress of the candidate of whom at least one of whom shall be external. Should a candidate not succeed in the examination, the candidature will be reviewed by the Master's Examination Committee.

6.2 Research component

6.2.1 On completion of their research candidates shall lodge with the Registrar three copies of the research report for assessment which shall be prepared in accordance with directions given from time to time. Candidates should refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume.

6.2.2 The Dental School shall appoint two examiners external to the Dental School.

6.2.3 The examiners may recommend that a candidate be examined orally or otherwise on the subject of the research report and the general field of knowledge in which it falls.

6.3 Recommendations of Master's Examination Committee

The Master's Examination Committee may recommend to the Dental School through the Higher Degrees and Scholarships Committee that the candidate:

- (a) be awarded the degree
- (b) be awarded the degree subject to such minor amendments of the research report as the examiners may have suggested
- (c) be not awarded the degree but be allowed to revise and resubmit the research report within such period as the Dental School may allow *or*
- (d) be not awarded the degree.

Syllabuses

4660 Basic and Applied Dental Sciences

2 points semester 2

2 hours per week

prerequisites: 5305 Research Methods and Ethics

See M.D.S.(Comm.& Prev. Dentistry) for syllabus details

9642 Endodontics VI

12 points full year

12 hours per week

prerequisites: successful completion of primary examinations of Royal Australasian College of Dental Surgeons (or equivalent)

corequisites: 5305 Research Methods and Ethics, 4660 Basic and Applied Dental Sciences

The program aims at fulfilling the requirements for graduate education as laid down in guidelines published by the Australian Society of Endodontology. The coursework component consists of lectures and seminars in the following: endodontology, oral and general pathology, oral microbiology, immunology, lecturing and public speaking, oral surgery, restorative dentistry, periodontology and radiology.

The clinical component provides experience within the discipline of endodontology in the form of technique work on the human skull, clinical practice, observations in private endodontic and oral surgery practices.

assessment: arranged in consultation with Coordinator

9130 Endodontics VII

16 points full year

12 hours per week

prerequisites: 9642 Endodontics VI

See 9642 Endodontics VI for syllabus details

5016 MDS Research A

4 points semester 1 or 2

10 hours per week

1975 MDS Research B

4 points semester 1 or 2

10 hours per week

2536 MDS Research C

4 points semester 1 or 2

10 hours per week

1167 MDS Research D

4 points semester 1 or 2

10 hours per week

5305 Research Methods and Ethics

2 points semester 1

2 hours per week

See M.D.S.(Comm.& Prev. Dentistry) for syllabus details for these subjects.

Master of Dental Surgery (Forensic Odontology)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

- 1.1 The Dental School may accept as a candidate for the degree any person who:
- (a) has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery, or has qualified in another university for a degree or degrees in dentistry which the Dental School regards as equivalent *and*
 - (b) has completed at least two years of relevant practical experience since qualifying for that degree.
- 1.2 A person who wishes to become a candidate for the degree shall apply to the Registrar.

2 Duration of course

- 2.1 To qualify for the degree a candidate shall satisfactorily complete a course of study and a research project on a topic approved by the Dental School.
- 2.2 Unless the Dental School expressly approves an extension of time in a particular case, the work for the degree shall be completed and the research report submitted:
- (a) in the case of a full-time candidate, in not less than two and not more than three calendar years from the date of admission to candidature or
 - (b) in the case of a half-time candidate who is able to devote at least half of the time to the approved program of work for the degree, in not less than four and not more than six calendar years from the date of admission to candidature.

3 Supervision

For each candidate, the Dental School shall appoint a principal supervisor from the discipline of Forensic Odontology and co-supervisor(s) for guidance

4 Subjects of study and research projects

Candidates shall satisfactorily complete:

- (a) the following subjects:

4660	Basic and Applied Dental Sciences	2
5305	Research Methods and Ethics	2
- (b) the following subjects unless the Dental School specially approves otherwise:

6699	Forensic Odontology VI	12
5299	Forensic Odontology VII	16
- (c) the following four subjects which shall be taken sequentially:

5016	MDS Research A	4
1975	MDS Research B	4
2536	MDS Research C	4
1167	MDS Research D	4

5 Review of academic progress

- 5.1 There shall be a Master's Examination Committee which shall consist of the Principal Supervisor and the Postgraduate Coordinator.
- 5.2 For each candidate the Dental School shall appoint a Master's Examination Committee which shall:
- (a) recommend the appointment of examiners under Specific Course Rule 6.1.1 and 6.2.2
 - (b) consider the reports of the examiners of the research report and the results of any examination and
 - (c) recommend the appointment of examiners to examine a candidate under Specific Course Rule 6.2.3 if it concurs with a recommendation by the examiners under that Rule.
- 5.3 A candidate's progress shall be reviewed by the Master's Examination Committee at the end of the first year of the course or after two years in the case of a half-time candidate. If, in the

opinion of the Committee, a candidate is not making satisfactory progress the Dental School may, with the consent of the Council, terminate the candidature.

6 Assessment and examinations

6.1 Research component

6.1.1 On completion of their research candidates shall lodge with the Registrar three copies of the research report for assessment which shall be prepared in accordance with directions given from time to time. Candidates should refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume

6.1.2 The Dental School shall appoint two examiners external to the Dental School

6.1.3 The examiners may recommend that a candidate be examined orally or otherwise on the subject of the research report and the general field of knowledge in which it falls.

6.2 Recommendations of Master's Examination Committee

The Master's Examination Committee may recommend to the Dental School through the Higher Degrees and Scholarships Committee that the candidate:

- (a) be awarded the degree
- (b) be awarded the degree subject to such minor amendments of the research report as the examiners may have suggested
- (c) be not awarded the degree but be allowed to revise and resubmit the research report within such period as the Dental School may allow or
- (d) be not awarded the degree.

Syllabuses

4660 Basic and Applied Dental Sciences

2 points semester 2

2 hours per week

prerequisites: 5305 Research Methods and Ethics

See M.D.S.(Comm. & Prev. Dent.) for syllabus details

6699 Forensic Odontology VI

12 points full year

10 hours per week

corequisites: 5305 Research Methods and Ethics, 4660 Basic and Applied Dental Sciences

This subject covers similar material to that covered in the Graduate Diploma in Forensic Odontology but in greater depth. The student will be required to undertake extra work in one or more of the specialised areas within the field of Forensic Odontology. Details will be determined in consultation with staff.

assessment: in consultation with Coordinator

5299 Forensic Odontology VII

16 points not offered in 2000

10 hours per week

prerequisites: 6699 Forensic Odontology VI

See 6699 Forensic Odontology VI for syllabus details

5016 MDS Research A

4 points semester 1 or 2

10 hours per week

1975 MDS Research B

4 points semester 1 or 2

10 hours per week

2536 MDS Research C

4 points semester 1 or 2

10 hours per week

1167 MDS Research D

4 points semester 1 or 2

10 hours per week

5305 Research Methods and Ethics

2 points semester 1

2 hours per week

See M.D.S.(Comm.& Prev.Dent.) for syllabus details

Master of Dental Surgery (General Dental Practice)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

- 1.1 The Dental School may accept as a candidate for the degree any person who:
- has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery, or has qualified in another university for a degree or degrees in dentistry which the Dental School regards as equivalent *and*
 - has completed at least two years of relevant practical experience since qualifying for that degree.
- 1.2 A person who wishes to become a candidate for the degree shall apply to the Registrar.

2 Duration of course

- 2.1 To qualify for the degree a candidate shall satisfactorily complete a course of study and a research project on a topic approved by the Dental School.
- 2.2 Unless the Dental School expressly approves an extension of time in a particular case, the work for the degree shall be completed and the research report submitted:
- in the case of a full-time candidate, in not less than two and not more than three calendar years from the date of admission to candidature or
 - in the case of a half-time candidate who is able to devote at least half of the time to the approved program of work for the degree, in not less than four and not more than six calendar years from the date of admission to candidature.

3 Supervision

For each candidate, the Dental School shall appoint a principal supervisor from the discipline of General Dental Practice and co-supervisor(s) for guidance.

4 Subjects of study and research projects

Candidates shall satisfactorily complete:

- the following subjects:

4660	Basic and Applied Dental Sciences	2
5305	Research Methods and Ethics	2
- the following subjects unless the Dental School specially approves otherwise:

3992	General Dental Practice VI	12
8003	General Dental Practice VII	16
- the following four subjects which shall be taken sequentially:

5016	MDS Research A	4
1975	MDS Research B	4
2536	MDS Research C	4
1167	MDS Research D	4

5 Review of academic progress

- 5.1 There shall be a Master's Examination Committee which shall consist of the Principal Supervisor and the Postgraduate Coordinator.
- 5.2 For each candidate the Dental School shall appoint a Master's Examination Committee which shall:
- recommend the appointment of examiners under Specific Course Rule 6.1.1 and 6.2.2
 - consider the reports of the examiners of the research report and the results of any examination and
 - recommend the appointment of examiners to examine a candidate under Specific Course Rule 6.2.3 if it concurs with a recommendation by the examiners under that Rule.
- 5.3 A candidate's progress shall be reviewed by the Master's Examination Committee at the end of the first year of the course or after two years in

the case of a half-time candidate. If, in the opinion of the Committee, a candidate is not making satisfactory progress the Dental School may, with the consent of the Council, terminate the candidature.

6 Assessment and examinations

6.1 Clinical component

- 6.1.1 All candidates shall undertake an examination at the end of the first year and at the end of their final year on the content of the course. The examination shall be in several parts including written examination, viva voce and clinical presentation. The Master's Examination Committee shall appoint two examiners to review progress of the candidate of whom at least one of whom shall be external. Should a candidate not succeed in the examination, the candidature will be reviewed by the Master's Examination Committee.

6.2 Research component

- 6.2.1 On completion of their research candidates shall lodge with the Registrar three copies of the research report for assessment which shall be prepared in accordance with directions given from time to time. Candidates should refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume.
- 6.2.2 The Dental School shall appoint two examiners external to the Dental School.
- 6.2.3 The examiners may recommend that a candidate be examined orally or otherwise on the subject of the research report and the general field of knowledge in which it falls.

6.3 Recommendations of Master's Examination Committee

The Master's Examination Committee may recommend to the Dental School through the Higher Degrees and Scholarships Committee that the candidate:

- (a) be awarded the degree
- (b) be awarded the degree subject to such minor amendments of the research report as the examiners may have suggested
- (c) be not awarded the degree but be allowed to revise and resubmit the research report within such period as the Dental School may allow *or*
- (d) be not awarded the degree.

Syllabuses

4660 Basic and Applied Dental Sciences

2 points semester 2

2 hours per week

prerequisites: 5305 Research Methods and Ethics

See M.D.S.(Comm. & Prev. Dent.) for syllabus details

3992 General Dental Practice VI

12 points full year

12 hours per week

corequisites: 5305 Research Methods and Ethics, 4660 Basic and Applied Dental Sciences

Advanced clinical experience of the comprehensive management of patients, based upon the co-ordination of skills from individual disciplines. Seminars and clinical tutorials explore a wide range of topics relating to general practice at the Masters level. Emphasis is placed on treatment planning, reviews of completed treatments and prognosis.

assessment: in consultation with Coordinator

8003 General Dental Practice VII

16 points full year

12 hours per week

prerequisites: 3992 General Dental Practice VI

See M.D.S.(Comm. & Prev. Dent.) for syllabus details

5016 MDS Research A

4 points semester 1 or 2

10 hours per week

1975 MDS Research B

4 points semester 1 or 2

10 hours per week

2536 MDS Research C

4 points semester 1 or 2

10 hours per week

1167 MDS Research D

4 points semester 1 or 2

10 hours per week

5305 Research Methods and Ethics

2 points semester 1

2 hours per week

See M.D.S.(Comm. & Prev. Dent.) for syllabus details

Master of Dental Surgery (Gerodontology)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 The Dental School may accept as a candidate for the degree any person who:

- (a) has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery, or has qualified in another university for a degree or degrees in dentistry which the Dental School regards as equivalent *and*
- (b) has completed at least two years of relevant practical experience since qualifying for that degree.

1.2 A person who wishes to become a candidate for the degree shall apply to the Registrar.

2 Duration of course

2.1 To qualify for the degree a candidate shall satisfactorily complete a course of study and a research project on a topic approved by the Dental School.

2.2 Unless the Dental School expressly approves an extension of time in a particular case, the work for the degree shall be completed and the research report submitted:

- (a) in the case of a full-time candidate, in not less than two and not more than three calendar years from the date of admission to candidature; or
- (b) in the case of a half-time candidate who is able to devote at least half of the time to the approved program of work for the degree, in not less than four and not more than six calendar years from the date of admission to candidature.

3 Supervision

For each candidate, the Dental School shall appoint a principal supervisor from the discipline of Gerodontology and co-supervisor(s) for guidance.

4 Subjects of study and research projects

Candidates shall satisfactorily complete:

- (a) the following subjects:

4660 Basic and Applied Dental Sciences	2
5305 Research Methods and Ethics	2
- (b) and the following subjects unless the Dental School specially approves otherwise:

4759 Gerodontology VI	12
8813 Gerodontology VII	16
- (c) and the following four subjects which shall be taken sequentially:

5016 MDS Research A	4
1975 MDS Research B	4
2536 MDS Research C	4
1167 MDS Research D	4

5 Review of academic progress

5.1 There shall be a Master's Examination Committee which shall consist of the Principal Supervisor and the Postgraduate Coordinator.

5.2 For each candidate the Dental School shall appoint a Master's Examination Committee which shall:

- (a) recommend the appointment of examiners under Specific Course Rule 6.1.1 and 6.2.2
- (b) consider the reports of the examiners of the research report and the results of any examination and
- (c) recommend the appointment of examiners to examine a candidate under Specific Course Rule 6.2.3 if it concurs with a recommendation by the examiners under that Rule.

5.3 A candidate's progress shall be reviewed by the Master's Examination Committee at the end of the first year of the course or after two years in

the case of a half-time candidate. If, in the opinion of the Committee, a candidate is not making satisfactory progress the Dental School may, with the consent of the Council, terminate the candidature.

6 Assessment and examinations

6.1 Clinical component

- 6.1.1 All candidates shall undertake an examination at the end of the first year and at the end of their final year on the content of the course. The examination shall be in several parts including written examination, viva voce and clinical presentation. The Master's Examination Committee shall appoint two examiners to review progress of the candidate of whom at least one of whom shall be external. Should a candidate not succeed in the examination, the candidature will be reviewed by the Master's Examination Committee.

6.2 Research component

- 6.2.1 On completion of their research candidates shall lodge with the Registrar three copies of the research report for assessment which shall be prepared in accordance with directions given from time to time. Candidates should refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume
- 6.2.2 The Dental School shall appoint two examiners external to the Dental School
- 6.2.3 The examiners may recommend that a candidate be examined orally or otherwise on the subject of the research report and the general field of knowledge in which it falls.

6.3 Recommendations of Master's Examination Committee

The Master's Examination Committee may recommend to the Dental School through the Higher Degrees and Scholarships Committee that the candidate:

- (a) be awarded the degree
- (b) be awarded the degree subject to such minor amendments of the research report as the examiners may have suggested
- (c) be not awarded the degree but be allowed to revise and resubmit the research report within such period as the Dental School may allow *or*
- (d) be not awarded the degree.

Syllabuses

4660 Basic and Applied Dental Sciences

2 points semester 2

2 hours per week

prerequisites: 5305 Research Methods and Ethics

See M.D.S.(Comm. & Prev. Dent.) for syllabus details

4759 Gerodontology VI

12 points not offered in 2000

10 hours per week

corequisites: 5305 Research Methods and Ethics, 4660 Basic and Applied Dental Sciences

The subject aims to comprehensively cover all aspects of treatment of the ageing population. This comprises the clinical aspects of managing the aged patient, with emphasis on conservative and prosthetic dentistry. Aspects which affect the aged patient such as medical, sociological, epidemiological factors will also be covered.

assessment: in consultation with Coordinator

8813 Gerodontology VII

16 points not offered in 2000

10 hours per week

prerequisites: 4759 Gerodontology VI

See M.D.S.(Comm. & Prev. Dent.) for syllabus details

5016 MDS Research A

4 points semester 1 or 2

10 hours per week

1975 MDS Research B

4 points semester 1 or 2

10 hours per week

2536 MDS Research C

4 points semester 1 or 2

10 hours per week

1167 MDS Research D

4 points semester 1 or 2

10 hours per week

5305 Research Methods and Ethics

2 points semester 1

2 hours per week

See M.D.S.(Comm. & Prev. Dent.) for syllabus details

Master of Dental Surgery (Oral and Maxillofacial Surgery)

This course is designed to satisfy the requirements of the guidelines for accreditation of training programs and positions in Oral and Maxillofacial Surgery as established by the Royal Australasian College of Dental Surgeons.

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 The Dental School may accept as a candidate for the degree any person who:

- (a) has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery, or has qualified in another university for a degree or degrees in dentistry which the Dental School regards as equivalent *and*
- (b) has completed at least two years of relevant practical experience since qualifying for that degree including satisfactory progress in the employ of the Oral and Maxillofacial Surgery Unit of the South Australian Dental Service and/or the Royal Adelaide Hospital, and
- (c) has successfully completed the Primary Examinations of the Royal Australasian College of Dental Surgeons or equivalent.

1.2 A person who wishes to become a candidate for the degree shall apply to the Registrar.

2 Duration of course

2.1 To qualify for the degree a candidate shall satisfactorily complete a course of study and a research project on a topic approved by the Dental School

2.2 Unless the Dental School expressly approves an extension of time in a particular case, the work for the degree shall be completed and the research report submitted:

in the case of a half-time candidate who is able to devote at least half of the time to the approved program of work for the degree, in not less than four and not more than six calendar years from the date of admission to candidature.

3 Supervision

For each candidate, the Dental School shall appoint a principal supervisor from the discipline of Oral and Maxillofacial Surgery and co-supervisor/s for guidance.

4 Subjects of study and research projects

- (a) the following subjects:

3550	Bridging Studies in Anatomy	3
8824	Clinical Science and Skills	5
5305	Research Methods and Ethics	2
- (b) the following subjects unless the Dental School specially approves otherwise:

1597	Oral and Maxillofacial Surgery VI	11
1449	Oral and Maxillofacial Surgery VII	15
- (c) the following three subjects which shall be taken sequentially:

5016	MDS Research A	4
1975	MDS Research B	4
4939	MDS Research C/D	4

5 Review of academic progress

5.1 There shall be a Master's Examination Committee which shall consist of the Principal Supervisor and the Postgraduate Coordinator.

5.2 For each candidate the Dental School shall appoint a Master's Examination Committee which shall:

- (a) recommend the appointment of examiners under Specific Course Rule 6.1.1 and 6.2.2
- (b) consider the reports of the examiners of the research report and the results of any examination and

- (c) recommend the appointment of examiners to examine a candidate under Specific Course Rule 6.2.3 if it concurs with a recommendation by the examiners under that Rule.
- (c) be not awarded the degree but be allowed to revise and resubmit the research report within such period as the Dental School may allow *or*
- (d) be not awarded the degree.

5.3 A candidate's progress shall be reviewed by the Master's Examination Committee at the end of the first year of the course or after two years in the case of a half-time candidate. If, in the opinion of the Committee, a candidate is not making satisfactory progress the Dental School may, with the consent of the Council, terminate the candidature.

6 Assessment and examinations

6.1 Clinical component

6.1.1 All candidates shall undertake an examination at the end of the first year and at the end of their final year on the content of the course. The examination shall be in several parts including written examination, viva voce and clinical presentation. The Master's Examination Committee shall appoint two examiners to review progress of the candidate of whom at least one of whom shall be external. Should a candidate not succeed in the examination, the candidature will be reviewed by the Master's Examination Committee.

6.2 Research component

6.2.1 On completion of their research candidates shall lodge with the Registrar three copies of the research report for assessment which shall be prepared in accordance with directions given from time to time. Candidates should refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume

6.2.2 The Dental School shall appoint two examiners external to the Dental School

6.2.3 The examiners may recommend that a candidate be examined orally or otherwise on the subject of the research report and the general field of knowledge in which it falls.

6.3 Recommendations of Master's Examination Committee

The Master's Examination Committee may recommend to the Dental School through the Higher Degrees and Scholarships Committee that the candidate:

- (a) be awarded the degree
- (b) be awarded the degree subject to such minor amendments of the research report as the examiners may have suggested

Syllabuses

3550 Bridging Studies in Anatomy

3 points full year

Self study and present for Viva

A course of study which bridges the teaching of anatomy between the undergraduate program for dentistry and medicine. This subject focusses on below clavical gross anatomy.

8824 Clinical Science and Skills

5 points

1 lecture, 1 demonstration, 1 tutorial a week

This subject is intended to introduce the student to the skills of medical practice, the scientific study of the processes of disease states and the ethics of medicine. Emphasis will be placed on the acquisition of skills in clinical interviewing and communication as well as those required to elicit and record a clinical history and to perform a physical examination. Clinical data gathered at the bedside is to be interpreted in the context of a scientific understanding of the aetiology, pathophysiology and prognosis of common disease processes, aided where appropriate by information derived from elementary laboratory and other diagnostic investigations. In the study of biomedical ethics, the student will be equipped with the conceptual tools to think clearly about ethical problems and reach sound ethical judgements in a clinical context.

assessment: continuous in demonstration and tutorial work; project in biomedical ethics; written exam in clinical science; viva in clinical skills

5016 MDS Research A

4 points semester 1 or 2

10 hours per week

1975 MDS Research B

4 points semester 1 or 2

10 hours per week

See M.D.S. (Comm. & Prev.Dent.) for syllabus details

4939 MDS Research C/D

4 points semester 1 or 2

10 hours per week

Students will undertake a research project related to the discipline named on the degree.

assessment: research project including all experimental work; the submission of written report to the Dental School

1597 Oral and Maxillofacial Surgery VI

11 points full year

Part time course with concurrent appointment as Junior Registrar with the Royal Adelaide Hospital

prerequisites: successful completion of Primary Examinations of Royal Australian College of Dental Surgeons and satisfactory progress with employment at the Royal Adelaide Hospital.

The subject covers all academic and clinical aspects of modern Oral and Maxillofacial Surgery. This includes dento alveolar surgery, maxillofacial injuries, preprosthetic surgery including implants, orthognathic surgery, temporomandibular joint surgery and aspects of cleft surgery and head and neck oncology.

assessment: continuous 60%, coursework 10%, research 30%

1449 Oral and Maxillofacial Surgery VII

15 points full year

Part time subject with concurrent appointment as Junior Registrar with the Royal Adelaide and Adelaide Dental Hospitals

prerequisites: 1597 Oral and Maxillofacial Surgery VI

corequisites: selected subjects from second and third years of M.B.B.S. program

5305 Research Methods and Ethics

2 points semester 1

2 hours per week

See 1449 Oral and Maxillofacial Surgery VIII for syllabus details

Master of Dental Surgery (Oral Pathology)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

- 1.1 The Dental School may accept as a candidate for the degree any person who:
- has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery, or has qualified in another university for a degree or degrees in dentistry which the Dental School regards as equivalent *and*
 - has completed at least two years of relevant practical experience since qualifying for that degree.
- 1.2 A person who wishes to become a candidate for the degree shall apply to the Registrar.

2 Duration of course

- 2.1 To qualify for the degree a candidate shall satisfactorily complete a course of study and a research project on a topic approved by the Dental School.
- 2.2 Unless the Dental School expressly approves an extension of time in a particular case, the work for the degree shall be completed and the research report submitted:
- in the case of a full-time candidate, in not less than two and not more than three calendar years from the date of admission to candidature *or*
 - in the case of a half-time candidate who is able to devote at least half of the time to the approved program of work for the degree, in not less than four and not more than six calendar years from the date of admission to candidature.

3 Supervision

For each candidate, the Dental School shall appoint a principal supervisor from the discipline of Oral Pathology and co-supervisor(s) for guidance.

4 Subjects of study and research projects

Candidates shall satisfactorily complete:

- the following subjects:

4660	Basic and Applied Dental Sciences	2
5305	Research Methods and Ethics	2
- the following subjects unless the Dental School specially approves otherwise:

1055	Oral Pathology VI	12
4133	Oral Pathology VII	16
- the following four subjects which shall be taken sequentially:

5016	MDS Research A	4
1975	MDS Research B	4
2536	MDS Research C	4
1167	MDS Research D	4

5 Review of academic progress

- 5.1 There shall be a Master's Examination Committee which shall consist of the Principal Supervisor and the Postgraduate Coordinator.
- 5.2 For each candidate the Dental School shall appoint a Master's Examination Committee which shall:
- recommend the appointment of examiners under Specific Course Rule 6.1.1 and 6.2.2
 - consider the reports of the examiners of the research report and the results of any examination *and*
 - recommend the appointment of examiners to examine a candidate under Specific Course Rule 6.2.3 if it concurs with a recommendation by the examiners under that Rule.
- 5.3 A candidate's progress shall be reviewed by the Master's Examination Committee at the end of the first year of the course or after two years in the case of a half-time candidate. If, in the

opinion of the Committee, a candidate is not making satisfactory progress the Dental School may, with the consent of the Council, terminate the candidature.

6 Assessment and examinations

6.1 Research component

- 6.1.1 On completion of their research candidates shall lodge with the Faculty Registrar three copies of the research report for assessment which shall be prepared in accordance with directions given from time to time. Candidates should refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume.
- 6.1.2 The Dental School shall appoint two examiners external to the Dental School.
- 6.1.3 The examiners may recommend that a candidate be examined orally or otherwise on the subject of the research report and the general field of knowledge in which it falls.

6.2 Recommendations of Master's Examination Committee

The Master's Examination Committee may recommend to the Dental School through the Higher Degrees and Scholarships Committee that the candidate:

- (a) be awarded the degree
- (b) be awarded the degree subject to such minor amendments of the research report as the examiners may have suggested
- (c) be not awarded the degree but be allowed to revise and resubmit the research report within such period as the Dental School may allow *or*
- (d) be not awarded the degree.

Syllabuses

4660 Basic and Applied Dental Sciences

2 points semester 2

2 hours per week

prerequisites: 5305 Research Methods and Ethics

See M.D.S. (Comm. & PrevDent.) for syllabus details

5016 MDS Research A

4 points semester 1 or 2

10 hours per week

1975 MDS Research B

4 points semester 1 or 2

10 hours per week

2536 MDS Research C

4 points semester 1 or 2

10 hours per week

1167 MDS Research D

4 points semester 1 or 2

10 hours per week

See M.D.S. (Comm. & PrevDent.) for syllabus details

1055 Oral Pathology VI

12 points full year

10 hours per week

corequisites: 5305 Research Methods and Ethics, 4660 Basic and Applied Dental Sciences

This subject deals with the systematic pathology and histopathology of the oral mucosa, the jawbones, the salivary glands, the temporomandibular joint, the maxillary sinus, the teeth, cancer of the oral region and odontogenic tumours at the postgraduate level. During the two year program candidates are involved in both theoretical and practical aspects of general pathology and all facets of diagnostic oral histopathology. A minor research project is undertaken as part of the program. At the completion of the course the student will be a competent diagnostician with comprehensive knowledge of all aspects of diagnostic oral histopathology.

assessment: in consultation with Coordinator

4133 Oral Pathology VII

16 points full year

prerequisites: 1055 Oral Pathology VI

10 hours per week

See 1055 Oral Pathology VI for syllabus details

5305 Research Methods and Ethics

2 points semester 1

2 hours per week

See M.D.S. (Comm. & PrevDent.) for syllabus details

Master of Dental Surgery (Orthodontics)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 The Dental School may accept as a candidate for the degree any person who:

- (a) has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery, or has qualified in another university for a degree or degrees in dentistry which the Dental School regards as equivalent *and*
- (b) has completed at least two years of relevant practical experience since qualifying for that degree.

1.2 A person who wishes to become a candidate for the degree shall apply to the Registrar.

2 Duration of course

2.1 To qualify for the degree a candidate shall satisfactorily complete a course of study and a research project on a topic approved by the Dental School.

2.2 Unless the Dental School expressly approve an extension of time in a particular case, the work for the degree shall be completed in not less than three and not more than four years and the research report submitted and assessed in the case of a full-time candidate, in not less than two and not more than three calendar years from the date of admission to candidature

3 Supervision

For each candidate, the Dental School shall appoint a principal supervisor from the discipline of Orthodontics and co-supervisor(s) for guidance.

4 Subjects of study and research projects

Candidates shall satisfactorily complete:

- (a) the following subjects:

4660 Basic and Applied Dental Sciences	2
5305 Research Methods and Ethics	2

(b) the following subjects unless the Faculty specially approves otherwise:

1764 Orthodontics VI	12
6708 Orthodontics VII	16
6303 Orthodontics VIII	24

(c) the following four subjects which shall be taken sequentially:

5016 MDS Research A	4
1975 MDS Research B	4
2536 MDS Research C	4
1167 MDS Research D	4

5 Review of academic progress

5.1 There shall be a Master's Examination Committee which shall consist of the Principal Supervisor and the Postgraduate Coordinator.

5.2 For each candidate the Dental School shall appoint a Master's Examination Committee which shall:

- (a) recommend the appointment of examiners under Specific Course Rule 6.1.1 and 6.2.2
- (b) consider the reports of the examiners of the research report and the results of any examination *and*
- (c) recommend the appointment of examiners to examine a candidate under Specific Course Rule 6.2.3 if it concurs with a recommendation by the examiners under that Rule.

5.3 A candidate's progress shall be reviewed by the Master's Examination Committee at the end of the first year of the course or after two years in the case of a half-time candidate. If, in the opinion of the Committee, a candidate is not making satisfactory progress the Dental School may, with the consent of the Council, terminate the candidature.

6 Assessment and examinations

6.1 Clinical component

6.1.1 All candidates shall undertake an examination at the end of the first year, at the end of the second year and at the end of their final year on the content of the course. The examination shall be in several parts including written examination, viva voce and clinical presentation. The Master's Examination Committee shall appoint two examiners to review progress of the candidate of whom at least one of whom shall be external. Should a candidate not succeed in the examination, the candidature will be reviewed by the Master's Examination Committee.

6.2 Research component

6.2.1 On completion of their second year candidates shall lodge with the Registrar three copies of the research report for assessment which shall be prepared in accordance with directions given from time to time. Candidates should refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume.

6.2.2 The Dental School shall appoint two examiners external to the Dental School.

6.2.3 The examiners may recommend that a candidate be examined orally or otherwise on the subject of the research report and the general field of knowledge in which it falls.

6.3 Recommendations of Master's Examination Committee

The Master's Examination Committee may recommend to Dental School through the Higher Degrees and Scholarships Committee that the candidate:

- (a) be awarded the degree
- (b) be awarded the degree subject to such minor amendments of the research report as the examiners may have suggested
- (c) be not awarded the degree but be allowed to revise and resubmit the research report within such period as the Dental School may allow *or*
- (d) be not awarded the degree.

Syllabuses

4660 Basic and Applied Dental Sciences

2 points semester 2

2 hours per week

prerequisites: 5305 Research Methods and Ethics

See M.D.S. (Comm. & Prev.Dent.) for syllabus details

5016 MDS Research A

4 points semester 1 or 2

10 hours per week

1975 MDS Research B

4 points semester 1 or 2

10 hours per week

2536 MDS Research C

4 points semester 1 or 2

10 hours per week

1167 MDS Research D

4 points semester 1 or 2

10 hours per week

See M.D.S. (Comm. & Prev.Dent.) for syllabus details

1764 Orthodontics VI

12 points full year

40 hours per week

prerequisite: minimum 2 years clinical general practice (or equivalent) experience

corequisites: 5305 Research Methods and Ethics, 4660 Basic and Applied Dental Sciences

Normal growth changes of the body in general, and of the craniofacial complex in particular, with reference to growth of the jaws, eruption of the teeth and development of normal occlusion. Applied anatomy of the head and neck with special reference to the temporomandibular joint and to the muscles that attach directly and indirectly to the mandible. The physiology of the stomatognathic system, and in particular the physiology of sucking, mastication, deglutition, respiration and phonation, and the effect that soft tissues have on the developing occlusion.

A study of growth and development, encompassing embryology, histology, genetics, anthropology and oral pathology. The principles of examination and orthodontic diagnosis on patients, which involves cephalometrics and radiology. A detailed study of the periodontium and its reaction to orthodontic tooth

movement. The properties and uses of orthodontic materials. Cleft palate and other dento-facial deformities and their surgical management. Clinical orthodontic treatment with removable and fixed appliances, including Begg and Edgewise techniques, is a major component.

assessment: in consultation with coordinator

6708 Orthodontics VII

16 points full year

40 hours per week

prerequisites: 1764 Orthodontics VI

See 1764 Orthodontics VI for syllabus details

6303 Orthodontics VIII

24 points full year

40 hours per week

prerequisites: 6708 Orthodontics VII

See 1764 Orthodontics VI for syllabus details

5305 Research Methods and Ethics

2 points semester 1

2 hours per week

See M.D.S.(Comm. & Prev. Dentistry) for syllabus details

Master of Dental Surgery (Paediatric Dentistry)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

- 1.1 The Dental School may accept as a candidate for the degree any person who:
- has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery, or has qualified in another university for a degree or degrees in dentistry which the Dental School regards as equivalent *and*
 - has completed at least two years of relevant practical experience since qualifying for that degree.
- 1.2 A person who wishes to become a candidate for the degree shall apply to the Registrar.

2 Duration of course

- 2.1 To qualify for the degree a candidate shall satisfactorily complete a course of study and a research project on a topic approved by the Dental School.
- 2.2 Unless the Dental School expressly approves an extension of time in a particular case, the work for the degree shall be completed and the research report submitted:
- in the case of a full-time candidate, in not less than two and not more than three calendar years from the date of admission to candidature *or*
 - in the case of a half-time candidate who is able to devote at least half of the time to the approved program of work for the degree, in not less than four and not more than six calendar years from the date of admission to candidature.

3 Supervision

For each candidate, the Dental School shall appoint a principal supervisor from the discipline of Paediatric Dentistry and co-supervisor(s) for guidance.

4 Subjects of study and research projects

Candidates shall satisfactorily complete:

- the following subjects:

4660	Basic and Applied Dental Sciences	2
5305	Research Methods and Ethics	2
- the following subjects unless the Dental School specially approves otherwise:

4871	Paediatric Dentistry VI	12
6968	Paediatric Dentistry VII	16
- the following four subjects which shall be taken sequentially:

5016	MDS Research A	4
1975	MDS Research B	4
2536	MDS Research C	4
1167	MDS Research D	4

5 Review of academic progress

- 5.1 There shall be a Master's Examination Committee which shall consist of the Principal Supervisor and the Postgraduate Coordinator.
- 5.2 For each candidate the Dental School shall appoint a Master's Examination Committee which shall:
- recommend the appointment of examiners under Specific Course Rule 6.1.1 and 6.2.2
 - consider the reports of the examiners of the research report and the results of any examination and
 - recommend the appointment of examiners to examine a candidate under Specific Course Rule 6.2.3 if it concurs with a recommendation by the examiners under that Rule.
- 5.3 A candidate's progress shall be reviewed by the Master's Examination Committee at the end of the first year of the course or after two years in the case of a half-time candidate. If, in the

opinion of the Committee, a candidate is not making satisfactory progress the Dental School may, with the consent of the Council, terminate the candidature.

6 Assessment and examinations

6.1 Clinical component

6.1.1 Clinical component

6.1.2 All candidates shall undertake an examination at the end of the first year and at the end of their final year on the content of the course. The examination shall be in several parts including written examination, viva voce and clinical presentation. The Master's Examination Committee shall appoint two examiners to review progress of the candidate of whom at least one of whom shall be external. Should a candidate not succeed in the examination, the candidature will be reviewed by the Master's Examination Committee.

6.2 Research component

6.2.1 On completion of their research candidates shall lodge with the Registrar three copies of the research report for assessment which shall be prepared in accordance with directions given from time to time. Candidates should refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume

6.2.2 The Dental School shall appoint two examiners external to the Dental School

6.2.3 The examiners may recommend that a candidate be examined orally or otherwise on the subject of the research report and the general field of knowledge in which it falls.

6.3 Recommendations of Master's Examination Committee

The Master's Examination Committee may recommend to the Dental School through the Higher Degrees and Scholarships Committee that the candidate:

- (a) be awarded the degree
- (b) be awarded the degree subject to such minor amendments of the research report as the examiners may have suggested
- (c) be not awarded the degree but be allowed to revise and resubmit the research report within such period as the Dental School may allow or
- (d) be not awarded the degree.

Syllabuses

4660 Basic and Applied Dental Sciences

2 points semester 2

2 hours per week

prerequisites: 5305 Research Methods and Ethics

See M.D.S.(Comm. & Prev. Dent.) for syllabus details

5016 MDS Research A

4 points semester 1 or 2

10 hours per week

1975 MDS Research B

4 points semester 1 or 2

10 hours per week

2536 MDS Research C

4 points semester 1 or 2

10 hours per week

1167 MDS Research D

4 points semester 1 or 2

10 hours per week

See M.D.S.(Comm. & Prev. Dent.) for syllabus details

4871 Paediatric Dentistry VI

12 points full year

10 hours per week

corequisites: 5305 Research Methods and Ethics, 4660 Basic and Applied Dental Sciences

Specialised treatment of the Paediatric Dental patient requires increased knowledge, understanding and expertise in many of the areas of dentistry, particularly in behaviour modification. Individual preventive programs for all types of child and adolescent patients including the medically compromised patient are a prerequisite for comprehensive dental care of the child and adolescent. Areas of increased expertise would include preventive dentistry, community dentistry, infant oral health care, aesthetic considerations, minor oral surgery procedures, growth and development of the teeth and jaws, interceptive orthodontics including the use of removable appliances, space maintaining and minor fixed appliances, the treatment of severe dental trauma and endodontics in children.

Seminars and clinical tutorials on patients with severe dental and medical problems will be undertaken. The student will also gain experience and improve their skills in teaching and producing audiovisual aids. Selected topics for review are required in addition to

the research project. Clinical experience will be provided in The Adelaide Dental Hospital, The Adelaide Medical Centre for Women and Children and The Somerton Park School of Dental Therapy.

assessment: advised during the course

6968 Paediatric Dentistry VII

16 points full year

10 hours per week

prerequisites: 4871 Paedodontics VI

See 4871 Paediatric Dentistry VI for syllabus details

5305 Research Methods and Ethics

2 points semester 1

contact hours: 2 hours per week

See M.D.S.(Comm. & Prev. Dent.) for syllabus details

Master of Dental Surgery (Periodontics)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 The Dental School may accept as a candidate for the degree any person who:

- (a) has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery, or has qualified in another university for a degree or degrees in dentistry which the Dental School regards as equivalent *and*
- (b) has completed at least two years of relevant practical experience since qualifying for that degree.

1.2 A person who wishes to become a candidate for the degree shall apply to the Registrar.

2 Duration of course

2.1 To qualify for the degree a candidate shall satisfactorily complete a course of study and a research project on a topic approved by the Dental School

2.2 Unless the Dental School expressly approves an extension of time in a particular case, the work for the degree shall be completed and the research report submitted:

- (a) in the case of a full-time candidate, in not less than two and not more than three calendar years from the date of admission to candidature *or*
- (b) in the case of a half-time candidate who is able to devote at least half of the time to the approved program of work for the degree, in not less than four and not more than six calendar years from the date of admission to candidature.

3 Supervision

For each candidate, the Dental School shall appoint a principal supervisor from the discipline of Periodontics and co-supervisor(s) for guidance.

4 Subjects of study and research projects

Candidates shall satisfactorily complete:

- (a) the following subjects:

4660 Basic and Applied Dental Sciences	2
5305 Research Methods and Ethics	2
- (b) the following subjects unless the Dental School specially approves otherwise:

4989 Periodontics VI	12
3123 Periodontics VII	16
- (c) the following four subjects which shall be taken sequentially:

5016 MDS Research A	4
1975 MDS Research B	4
2536 MDS Research C	4
1167 MDS Research D	4

5 Review of academic progress

5.1 There shall be a Master's Examination Committee which shall consist of the Principal Supervisor and the Postgraduate Coordinator.

5.2 For each candidate the Dental School shall appoint a Master's Examination Committee which shall:

- (a) recommend the appointment of examiners under Specific Course Rule 6.1.1 and 6.2.2
- (b) consider the reports of the examiners of the research report and the results of any examination and
- (c) recommend the appointment of examiners to examine a candidate under Specific Course Rule 6.2.3 if it concurs with a recommendation by the examiners under that Rule.

5.3 A candidate's progress shall be reviewed by the Master's Examination Committee at the end of the first year of the course or after two years in

the case of a half-time candidate. If, in the opinion of the Committee, a candidate is not making satisfactory progress the Dental School may, with the consent of the Council, terminate the candidature

6 Assessment and examinations

6.1 Clinical component

- 6.1.1 All candidates shall undertake an assessment at the end of the first year and at the end of their final year on the content of the course. Assessment shall include essays, viva voce and clinical presentation. The Master's Examination Committee shall appoint two examiners to review progress of the candidate of whom at least one of whom shall be external. Should a candidate not succeed in the examination, the candidature will be reviewed by the Master's Examination Committee.

6.2 Research component

- 6.2.1 On completion of their research candidates shall lodge with the Registrar three copies of the research report for assessment which shall be prepared in accordance with directions given from time to time. Candidates should refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume.
- 6.2.2 The Dental School shall appoint two examiners external to the Dental School.
- 6.2.3 The examiners may recommend that a candidate be examined orally or otherwise on the subject of the research report and the general field of knowledge in which it falls.

6.3 Recommendations of Master's Examination Committee

The Master's Examination Committee may recommend to the Dental School through the Higher Degrees and Scholarships Committee that the candidate:

- (a) be awarded the degree
- (b) be awarded the degree subject to such minor amendments of the research report as the examiners may have suggested
- (c) be not awarded the degree but be allowed to revise and resubmit the research report within such period as the Dental School may allow *or*
- (d) be not awarded the degree.

Syllabuses

4660 Basic and Applied Dental Sciences

2 points semester 2

2 hours per week

prerequisites: 5305 Research Methods and Ethics

5016 MDS Research A

4 points semester 1 or 2

10 hours per week

1975 MDS Research B

4 points semester 1 or 2

10 hours per week

2536 MDS Research C

4 points semester 1 or 2

10 hours per week

1167 MDS Research D

4 points semester 1 or 2

10 hours per week

See M.D.S.(Comm. & Prev. Dent.) for syllabus details

4989 Periodontics VI

12 points full year

10 hours per week

prerequisites: 2 years' clinical experience

corequisites: 5305 Research Methods and Ethics, 4660 Basic and Applied Dental Sciences

Macro and micro anatomical aspects of the alveolus that influence the pathogenesis of alveolar disease; fundamental biological properties of indigenous bacteria and their role in the aetiology of human disease; the epidemiology of the periodontal diseases; the prevalence of physiological and pathological changes in the alveolus of dry skulls (anthropological aspects of periodontal tissues); concepts of human chronic disease and their relevance to periodontics; behavioural component of periodontal disease; environmental component of periodontal disease; clinical studies and management of periodontal pathoses..

assessment: seminar performance, essays, research and clinical work, reviews of current periodontic journals

3123 Periodontics VII

16 points full year

10 hours per week

prerequisites: 4989 Periodontics VI

See for 4989 Periodontics VI for syllabus details

5305 Research Methods and Ethics

2 points semester 1

2 hours per week

See M.D.S.(Comm. & Prev. Dent.) for syllabus details

Master of Dental Surgery (Prosthodontics)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 The Dental School may accept as a candidate for the degree any person who:

- (a) has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery, or has qualified in another university for a degree or degrees in dentistry which the Dental School regards as equivalent *and*
- (b) has completed at least two years of relevant practical experience since qualifying for that degree.

1.2 A person who wishes to become a candidate for the degree shall apply to the Registrar.

2 Duration of course

2.1 To qualify for the degree a candidate shall satisfactorily complete a course of study and a research project on a topic approved by the Dental School.

2.2 Unless the Dental School expressly approves an extension of time in a particular case, the work for the degree shall be completed and the research report submitted:

- (a) in the case of a full-time candidate, in not less than two and not more than three calendar years from the date of admission to candidature *or*
- (b) in the case of a half-time candidate who is able to devote at least half of the time to the approved program of work for the degree, in not less than four and not more than six calendar years from the date of admission to candidature.

3 Supervision

For each candidate, the Dental School shall appoint a principal supervisor from the discipline of Prosthodontics and co-supervisor(s) for guidance.

4 Subjects of study and research projects

Candidates shall satisfactorily complete:

- (a) the following subjects:

4660 Basic and Applied Dental Sciences	2
5305 Research Methods and Ethics	2
- (b) the following subjects unless the Dental School specially approves otherwise:

1924 Prosthodontics VI	12
5321 Prosthodontics VII	16
- (c) the following four subjects which shall be taken sequentially:

5016 MDS Research A	4
1975 MDS Research B	4
2536 MDS Research C	4
1167 MDS Research D	4

5 Review of academic progress

5.1 There shall be a Master's Examination Committee which shall consist of the Principal Supervisor and the Postgraduate Coordinator.

5.2 There shall be a Master's Examination Committee which shall consist of the Principal Supervisor and the Postgraduate Coordinator.

5.2 For each candidate the Dental School shall appoint a Master's Examination Committee which shall:

- (a) recommend the appointment of examiners under Specific Course Rule 6.1.1 and 6.2.2.
- (b) consider the reports of the examiners of the research report and the results of any examination and
- (c) recommend the appointment of examiners to examine a candidate under Specific Course Rule 6.2.3 if it concurs with a recommendation by the examiners under that Rule.

- 5.3 A candidate's progress shall be reviewed by the Master's Examination Committee at the end of the first year of the course or after two years in the case of a half-time candidate. If, in the opinion of the Committee, a candidate is not making satisfactory progress the Dental School may, with the consent of the Council, terminate the candidature.

6 Assessment and examinations

6.1 Clinical component

- 6.1.1 All candidates shall undertake an examination at the end of the first year, at the end of the second year and at the end of their final year on the content of the course. The examination shall be in several parts including written examination, viva voce and clinical presentation. The Master's Examination Committee shall appoint two examiners to review progress of the candidate of whom at least one of whom shall be external. Should a candidate not succeed in the examination, the candidature will be reviewed by the Master's Examination Committee.

6.2 Research component

- 6.2.1 On completion of their research candidates shall lodge with the Registrar three copies of the research report for assessment which shall be prepared in accordance with directions given from time to time. Candidates should refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume.
- 6.2.2 The Dental School shall appoint two examiners external to the Dental School
- 6.2.3 The examiners may recommend that a candidate be examined orally or otherwise on the subject of the research report and the general field of knowledge in which it falls.

6.3 Recommendations of Master's Examination Committee

The Master's Examination Committee may recommend to the Dental School through the Higher Degrees and Scholarships Committee that the candidate:

- (a) be awarded the degree
- (b) be awarded the degree subject to such minor amendments of the research report as the examiners may have suggested
- (c) be not awarded the degree but be allowed to revise and resubmit the research report within such period as the Dental School may allow *or*
- (d) be not awarded the degree.

Syllabuses

4660 Basic and Applied Dental Sciences

2 points semester 2
2 hours per week

5016 MDS Research A

4 points semester 1 or 2
10 hours per week

1975 MDS Research B

42 points semester 1 or 2
10 hours per week

2536 MDS Research C

4 points semester 1 or 2
10 hours per week

1167 MDS Research D

See M.D.S.(Comm. & Prev. Dent.) for syllabus details

1924 Prosthodontics VI

12 points full year
10 hours per week

corequisites: 5305 Research Methods and Ethics, 4660 Basic and Applied Dental Sciences

The subject considers at an advanced level the management of edentulous patients. Areas covered include diagnosis and treatment planning, principles of complete denture design including retention, support, stability and tissue preservation, complete denture construction and the planning and construction of immediate dentures.

assessment: seminar performance, essays, research, clinical work

5321 Prosthodontics VII

16 points full year
10 hours per week

prerequisites: 1924 Prosthodontics VI

See 1924 Prosthodontics VI for syllabus details

5305 Research Methods and Ethics

2 points semester 1
2 hours per week

See M.D.S.(Comm. & Prev. Dent.) for syllabus details

Master of Dental Surgery (Tropical Oral Pathology)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 The Dental School may accept as a candidate for the degree any person who:

- (a) has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery, or has qualified in another university for a degree or degrees in dentistry which the Dental School regards as equivalent *and*
- (b) has completed at least two years of relevant practical experience since qualifying for that degree.

1.2 A person who wishes to become a candidate for the degree shall apply to the Registrar.

2 Duration of course

2.1 To qualify for the degree a candidate shall satisfactorily complete a course of study and a research project on a topic approved by the Dental School.

2.2 Unless the Dental School expressly approves an extension of time in a particular case, the work for the degree shall be completed and the research report submitted:

- (a) in the case of a full-time candidate, in not less than two and not more than three calendar years from the date of admission to candidature or
- (b) in the case of a half-time candidate who is able to devote at least half of the time to the approved program of work for the degree, in not less than four and not more than six calendar years from the date of admission to candidature.

3 Supervision

For each candidate, the Dental School shall appoint a principal supervisor from the discipline of Tropical Oral Pathology and co-supervisor(s) for guidance.

4 Subjects of study and research projects

Candidates shall satisfactorily complete:

- (a) the following subjects:

4660	Basic and Applied Dental Sciences	2
5305	Research Methods and Ethics	2
- (b) the following subjects unless the Dental School specially approves otherwise:

7749	Tropical Oral Pathology VI	12
8547	Tropical Oral Pathology VII	16
- (c) the following four subjects which shall be taken sequentially:

5016	MDS Research A	4
1975	MDS Research B	4
2536	MDS Research C	4
1167	MDS Research D	4

5 Review of academic progress

5.1 There shall be a Master's Examination Committee which shall consist of the Principal Supervisor and the Postgraduate Coordinator.

5.2 For each candidate the Dental School shall appoint a Master's Examination Committee which shall:

- (a) recommend the appointment of examiners under Specific Course Rule 6.1.1 and 6.2.2
- (b) consider the reports of the examiners of the research report and the results of any examination *and*
- (c) recommend the appointment of examiners to examine a candidate under Specific Course Rule 6.2.3 if it concurs with a recommendation by the examiners under that Rule.

5.3 A candidate's progress shall be reviewed by the Master's Examination Committee at the end of the first year of the course or after two years in the case of a half-time candidate. If, in the

opinion of the Committee, a candidate is not making satisfactory progress the Dental School may, with the consent of the Council, terminate the candidature.

6 Assessment and examinations

6.1 Research component

6.1.1 On completion of their research candidates shall lodge with the Registrar three copies of the research report for assessment which shall be prepared in accordance with directions given from time to time. Candidates should refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume.

6.1.2 The Dental School shall appoint two examiners external to the Dental School.

6.1.3 The examiners may recommend that a candidate be examined orally or otherwise on the subject of the research report and the general field of knowledge in which it falls.

6.2 Recommendations of Master's Examination Committee

The Master's Examination Committee may recommend to the Dental School through the Higher Degrees and Scholarships Committee that the candidate:

- (a) be awarded the degree
- (b) be awarded the degree subject to such minor amendments of the research report as the examiners may have suggested
- (c) be not awarded the degree but be allowed to revise and resubmit the research report within such period as the Dental School may allow *or*
- (d) be not awarded the degree.

Syllabuses

4660 Basic and Applied Dental Sciences

2 points semester 2

2 hours per week

prerequisites: 5305 Research Methods and Ethics

5016 MDS Research A

4 points semester 1 or 2

10 hours per week

1975 MDS Research B

4 points semester 1 or 2

10 hours per week

2536 MDS Research C

4 points semester 1 or 2

10 hours per week

1167 MDS Research D

4 points semester 1 or 2

10 hours per week

5305 Research Methods and Ethics

2 points semester 1

2 hours per week

See M.D.S.(Comm. & Prev. Dent.) for syllabus details

7749 Tropical Oral Pathology VI

12 points full year

10 hours per week

corequisites: 5305 Research Methods and Ethics, 4660 Basic and Applied Dental Sciences

The subject considers at an advanced level the management of edentulous patients. Areas covered include diagnosis and treatment planning, principles of complete denture design including retention, support, stability and tissue preservation, complete denture construction and the planning and construction of immediate dentures.

assessment: seminar performance, essays, research, diagnostic histopathology work

8547 Tropical Oral Pathology VII

16 points full year

prerequisites: 7749 Tropical Oral Pathology VI

See 7749 Tropical Oral Pathology VI for syllabus details

Master of Science in Dentistry

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 The Dental School may accept as a candidate for the degree any person who:

- (a) has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery and for the Honours Degree of Bachelor of Science in Dentistry with First or Second Class Honours
- (b) has qualified for a degree in Dentistry and whose qualifications are regarded by the Dental School as equivalent to those specified in 1.1(a) hereof *or*
- (c) has qualified for a degree or degrees other than in Dentistry which the Dental School regards as equivalent to the qualifications specified in 1.1(a) hereof.

1.2 In exceptional cases and with the approval of the Board of Graduate Studies, acting with authority wittingly devolved to it by Council, the Dental School may accept as a candidate for the degree a person who does not hold a degree of a university but who possesses qualifications and experience, in a relevant area, which satisfies the Dental School that the person is a suitable candidate for advanced work.

1.3 A person who wishes to become a candidate for the degree shall apply to the Registrar indicating in general terms the subject and outline of the proposed research project and where applicable the proposed course of study for examination.

2 Supervision

2.1 For each candidate, the Dental School shall appoint a supervisor or supervisors for guidance.

3 Duration of course and qualification requirements

3.1 A candidate shall not be admitted to the degree before the expiration of two calendar years from the date of admission to candidature.

3.2 To qualify for the degree, a candidate shall:

- (a) complete satisfactorily, in the University of Adelaide or at an institution approved

for the purpose by the Dental School, an approved course of study and research of a minimum duration of two calendar years and a maximum of three calendar years. In the cases of half-time candidates, the requirements will be a minimum of four calendar years and a maximum of six calendar years

- (b) perform satisfactorily an original research project which shall comprise the whole or at least the great majority of the course in 3.2(a) hereof
- (c) submit a satisfactory thesis on the subject of the research project which contributes to the knowledge of that subject *and*
- (d) pass such examinations as the Master's Examination Committee may determine.

3.3 Unless the Dental School expressly approve an extension of time in a particular case, the thesis shall be submitted and the other work for the degree (if any) completed:

- (a) in the case of a full-time candidate, within three calendar years from the date of admission to candidature *or*
- (b) in the case of a half-time candidate, who is able to devote at least half of the time to the approved program of work for the degree as prescribed in 3.3, within six calendar years from the date of admission to candidature.

4 Review of academic progress

4.1 A candidate's progress shall be reviewed by the Master's Examination Committee at the end of the first year of the course or the second year in the case of half-time candidates. If, in the opinion of the Committee, a candidate is not making satisfactory progress the Dental School may, with the consent of the Council, terminate the candidature.

5 Assessment and examinations

- 5.1 On completion of their work, candidates shall lodge with the Registrar three copies of the thesis which shall be prepared in accordance with directions given from time to time
- 5.2 The Dental School shall appoint examiners of the thesis at least one of whom shall be an external examiner.
- 5.3 The examiners may recommend that a candidate be examined orally or otherwise on the subject of the thesis and the general field of knowledge in which it falls.
- 5.4 For each candidate the Dental School shall appoint a Master's Examination Committee which shall:
- (a) recommend the appointment of examiners under 5.2
 - (b) consider the reports of the examiners of the research report and the results of any examination *and*
 - (c) recommend the appointment of examiners
 - (i) to examine a candidate under 2.1(d) *and*
 - (ii) to examine a candidate under 5.3 if it concurs with a recommendation by the examiners under the Rule.
- 5.5 The Master's Examination Committee may recommend to the Dental School through the Higher Degrees and Scholarships Committee that the candidate:
- (a) be awarded the degree
 - (b) be awarded the degree subject to such minor amendments of the thesis as the examiners may have suggested
 - (c) be not awarded the degree but be allowed to revise and resubmit the thesis within such period as the Dental School may allow *or*
 - (d) be not awarded the degree.

6 General

- 6.1 A candidate who complies with the foregoing conditions and satisfies the Examination Committee shall, on the recommendation of the Dental School, be awarded the degree of Master of Science in Dentistry.

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Website: www.medicine.adelaide.edu.au

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Professional Certificate in Activities for Elders

This professional certificate will provide opportunities for therapy assistants, service or program coordinators, Workcover retraining participants and nurses to develop skills in program development to address the individual needs of older persons for activity, diversional therapy and recreation. It will develop participants awareness/knowledge of the importance of activity involvement for older persons in promoting quality of life and promote a holistic approach to caring for older persons. Finally the professional certificate will provide practical ideas and strategies for implementing, budgeting and evaluating effective and successful activity programs.

The course will run over 40 contact hours, structured as 20 x 2 hour sessions in one semester, plus a negotiated field placement of 4-8 hours, midway through the certificate.

For further information please contact the Medical School office.

Graduate Certificate in Bereavement and Palliative Care Counselling

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Certificate in Bereavement and Palliative Care Counselling shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.
- 1.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of course

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one year of part-time study.

3 Course requirements

- 3.1 To qualify for the Graduate Certificate, a candidate shall satisfactorily complete the following subjects:

6205 Bereavement	2
2313 Counselling Theory, Skills & Practice	6
3864 Issues in Death and Dying	2
6038 Supervised Field Education	2

- 3.2 No candidate will be permitted to count for the Graduate Certificate any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

- 4.1 A candidate normally would not be granted status for any subject which he or she has completed for another award.

- 4.2 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) a candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) for the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

Syllabuses

6205 Bereavement

2 points trimester 1

This subject provides a theoretical and practical basis of the concepts which underpin bereavement care and intervention and incorporates the following topics: rituals and cultural aspects of death; bereavement grief and mourning; risk factors in bereavement assessment; and spiritual, cultural, gender and age-specific issues related to grief. In addition it will examine the different grief themes relating to various modes of death including a range of medical illness related deaths, and accidental and traumatic deaths. The effects of different kinship losses will also be addressed.

assessment: coursework and assignments

assessment: group participation, course work and field education reports

2313 Counselling Theory, Skills and Practice

6 points full year

66 hours

This subject provides the basic theory and skills of counselling, with particular relevance to working with grieving persons. It incorporates the following topics: the counsellor as a person and as a professional; forming and maintaining counselling relationships; models of counselling and psychotherapy; the persona of the counsellor; anxiety management and relaxation strategies; working with families.

assessment: group participation, course work, assignments

3864 Issues in Death and Dying

2 points trimester 2

22 hours

This subject incorporates the following topics in palliative care - ethical issues, legal and financial issues, cancer and its treatment, pain and symptom management, psychological issues, and adjunctive and complimentary therapies.

assessment: group participation, coursework and assignments

6038 Supervised Field Education

2 points trimester 3

10 hours

Students will be required to negotiate a suitable field education placement in a setting which supplies ample scope for the exercise of knowledge and skills gained from the course.

Graduate Certificate in Human Anatomy

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Certificate in Human Anatomy shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.
- 1.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of course

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one year of part-time study.

3 Course requirements

- 3.1 To qualify for the Graduate Certificate, a candidate shall satisfactorily complete the following subject:
2139 Human Anatomy for
Graduate Certificate 12
- 3.2 No candidate will be permitted to count for the Graduate Certificate any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

- 4.1 A candidate normally would not be granted status for any subject which he or she has completed for another award.
- 4.2 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the subject to the satisfaction of the teaching staff concerned

5 Assessment and examination

- 5.1 There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

Syllabuses

2139 Human Anatomy for Graduate Certificate

12 points full year

4 x 2.5 hour late afternoon/evening tutorial/practical sessions per week

prerequisite: undergraduate degree, or equivalent, which includes Biology

This is a course of detailed human gross anatomy that permits students to gain an in-depth knowledge of systematic/regional gross anatomy by dissection of the human cadaver. The majority of coursework will be of a problem-based, self directed type as students will be given dissection tasks introducing them in depth to the structure of systems and all regions of the human body. During the last 2 months of the course each student will do a project which involves preparation of a display quality prosection and presentation of a lecture on the anatomy of the prosected part of the body.

assessment: monthly tests; prosection; lecture presentation; end of year theory and practical exams

Graduate Certificate in Nursing Science

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 General

1.1 There shall be a Graduate Certificate in Nursing Science which is offered in the following specialisations:

- 1.1 Trauma
- 1.2 Retrieval Nursing
- 1.3 Hyperbaric Nursing
- 1.4 Stomal Therapy
- 1.5 Infection Control
- 1.6 Apheresis Nursing

2 Admission Requirements

2.1 An applicant for admission to the course of study for the Graduate Certificate shall:

- (a) be registered, or be eligible for registration, as a nurse in South Australia *and*
- (b) have qualified for a degree of Bachelor of Nursing of a university accepted for the purposes by the University *or*
- (c) have at least two years experience as a registered nurse in the field of the specialisation to be undertaken.
- (d) An applicant for the specialisation in Hyperbaric Nursing in addition must, on Occupation Health and Safety grounds, satisfactorily complete an appropriate medical examination.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 2.1 above, but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the course.

3 Duration of Course

To qualify for the Graduate Certificate shall satisfactorily complete a course of study comprising one semester of full time study or not more that one year of part time study.

4 Course requirements

To qualify for the Graduate Certificate a candidate shall successfully complete a specialisation set of subjects, listed below, to the value of 12 points.

Apheresis Nursing

9704 Apheresis Nursing I 6

3966 Apheresis Nursing II 6

Hyperbaric Nursing

3240 Hyperbaric Nursing I
6

3647 Hyperbaric Nursing II 6

Infection Control

7469 Infection Control Nursing 6

1313 Microbiology and Epidemiology 6

Retrieval Nursing

1305 Principles and Practices of
Retrieval Nursing 6

5122 Trauma Nursing 6

Stomal Therapy

6389 Stomal Therapy 6

5521 Wound Management 6

Trauma

1456 Trauma Management I 6

7593 Trauma Management II 6

5 Status, exemption and credit transfer

5.1 No candidate shall be granted status for subjects with a total value of more than 6 points on account of subjects presented for any other award.

5.2 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

6 Assessment and Examinations

- 6.1 There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 6.2 A candidate who does not complete the specified work to the satisfaction of the teaching staff concerned shall be awarded a failing grade of Incomplete-Fail.
- 6.3 A candidate who fails a subject twice may be subject to a *Review of Academic progress* under the provisions of Clause 4C of Chapter 25 of the Statutes.

7 Additional Specialisation

If a candidate who qualifies for the Graduate Certificate subsequently undertakes, as a non-award student, another specialisation, the candidate may, on payment of a fee determined by the University, return the Graduate Certificate testamur and receive a new testamur listing all the specialisations completed.

Syllabuses

9704 Apheresis Nursing I

6 points semester 1

Flexible learning mode

This subject will examine nursing and medical science underpinning therapeutic and donor apheresis. Topics will include principles of basic haematology, coagulation, the ABO/Rh system and immunology. Basic pathophysiology of diseases treated by therapeutic apheresis will be covered. Students will also examine the principles of therapeutic apheresis including plasma exchange, red-cell exchange and cyto-reduction. This subject will be studied by the flexible learning mode.

assessment: 2000 word mid term assignment 20%; tutorial presentation (equivalent to 2000 words) 20%; 3500 word essay or case report 40%. Students must pass each component of assessment

3966 Apheresis Nursing II

6 points semester 2

Flexible learning mode

This subject will examine apheresis procedures with a focus on patient/donor centred issues. Topics will include types of machines and technical procedures; donor selection and management; patient care including care of paediatric patients; common complications; and validation of procedures and processes; and legal and professional issues.

assessment: 2000 word mid term assignment 25%; tutorial presentation (equivalent to 2000 words) 25%; 3500 word essay or case report 50%. Students must pass each component of assessment

3240 Hyperbaric Nursing I

6 points semester 1

36 hours across semester; supervised field experience.

This subject will examine nursing and medical science in relation to the indications for hyperbaric treatment, the principles of hyperbaric nursing and the physical and psycho-social needs of those undergoing hyperbaric treatment. Topics will include anatomy, physiology, psychosocial care, hyperbaric management and the teaching/learning process in patient education. Students will be required to participate in supervised field experience in the Royal Adelaide Hospital, Hyperbaric Unit for 40 hours.

assessment: 1500 word mid term assignment 20%; tutorial presentation (equivalent to 1500 words) 20%; 3000 word essay 40%; 1 hour exam 20%

3647 Hyperbaric Nursing II

6 points semester 2

Flexible Learning Mode

This subject will build on the topics considered in Hyperbaric nursing I and will be studied by the flexible learning mode. Topics will include safety issues relating to hyperbaric nursing and advanced clinical issues such as unit management.

assessment: 2000 word mid term assignment 25%; tutorial presentation (equivalent to 2000 words, submitted in tape format with briefing paper 25%; 3500 word essay 50%

7469 Infection Control Nursing

6 points semester 1

2 hours per week for 13 weeks plus field visits.

This subject will examine nursing and medical science in relation to the control of infection. Topics will include microbiology, the management of infection, the teaching/learning process in staff education; and contemporary issues in infection control.

assessment: 1500 word mid term assignment 20%, tutorial presentation (equivalent to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%. Students must pass each component of assessment

1313 Microbiology and Epidemiology

6 points semester 2

Flexible learning mode.

This subject will build on the student's knowledge of basic microbiology and will consider the epidemiology of common infectious diseases seen in the Australian population. The role of the infection control nurse will be considered in relation to the epidemiological research, education and disease surveillance.

assessment: 2000 word mid term assignment 25%, tutorial presentation (equivalent to 2000 words) 20%, 3500 word essay 50%. Students must pass each component of assessment

1305 Principles and Practices of Retrieval

6 points semester 1

13 x three-hour lectures plus a minimum of 5 retrievals

This subject will present the principles of retrieval and the physical and psycho-social needs patients. Topics will include anatomy, physiology, psychosocial care, nursing care of retrieval patients and aeronautical

medicine. International repatriation and retrieval of patients requiring hyperbaric treatment will also be considered. Students will be required to participate in supervised field experience in an Intensive care Unit for 150 hours and in addition participate as an active team member in a minimum of 5 retrievals.

assessment: 3000 word essay 40%, viva voce/practical (30 minute) 35%, case presentation and briefing paper (equivalent to approx 2000 words) 25%, clinical skills Pass/fail. Students must pass all components of the assessment

6389 Stomal Therapy

6 points semester 1

36 hours across semester plus supervised field experience.

This subject will examine nursing and medical science in relation to the indications for the creation of a stoma, the principles of stomal therapy and the physical and psycho-social needs of those with a stoma. Topics will include anatomy, physiology, psychosocial care, stoma management and the teaching/learning process in patient education. Students will be required to participate in field experience.

assessment: 1500 word mid term assignment 20%, tutorial presentation (equivalent to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%. Students must pass each component of assessment

5122 Trauma Nursing

6 points semester 2

13 x three-hour lectures plus 150 hours of supervised field experience.

This subject will examine nursing and medical science in relation to trauma, the principles of trauma nursing and the physical and psycho-social needs of those who experience trauma. Topics will include anatomy, physiology, psychosocial care, nursing care of trauma patients, principles of early management of severe trauma (EMST) and the teaching/learning process in patient education. Students will be required to participate in supervised field experience in a trauma centre for 150 hours.

assessment: 3000 word essay 40%, viva voce/practical (30 minute) 35%, case presentation and briefing paper (equivalent to approx 2000 words) 25%, clinical skills Pass/fail. Students must pass all components of the assessment

1456 Trauma Management I

6 points semester 1

3 five-day study blocks for lectures, workshops and practicing clinical skills.

This subject will largely consist of integrated learning opportunities within the area of trauma management, supported by workshops. The focus will be on the mechanisms of trauma and basic emergency management of severe trauma. Basic skill acquisition will occur based on theoretical frameworks of care so that skills are not acquired within a vacuum which does not include the patient and family in context.

assessment: 3000 word essay 40%; viva voce/30 minute practical 35%; case presentation and briefing paper (equivalent to approx 2000 words) 25%; Clinical skills Pass/fail. Students must pass each component of assessment

7593 Trauma Management II

6 points semester 2

3 five-day study blocks for lectures, workshops and practicing clinical skills.

This subject will largely consist of integrated learning opportunities supported by workshops. The focus will be on the advanced emergency management of severe trauma and transport of the trauma victim. Advanced skill acquisition will occur based on theoretical frameworks of care so that skills are not acquired within a vacuum which does not include the patient and family in context.

assessment: 3000 word essay 40%, viva voce/practical (30 minute) 35%, case presentation and briefing paper (equivalent to approx 2000 words) 25%, clinical skills Pass/Fail. Students must pass each component of assessment

5521 Wound Management

6 points semester 1 or 2

40 hours delivered as five study days

This subject will examine nursing and medical science in relation to the management of wounds. Topics will include anatomy and physiology of the integument, wound classification, wound management, microbiology, the management of infection and the teaching/learning process in staff and patient education.

assessment: 1500 word mid term assignment 20%, tutorial presentation (equivalent to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%. Students must pass each component of assessment

Graduate Certificate in Occupational Health and Safety Management

The Graduate Certificate is a part of the joint postgraduate program studies in Occupational Health and Safety Management of the University of Adelaide, and the University of South Australia.

There is a Management Committee comprising two academic representatives from each university and a student representing each course in the joint postgraduate program. This Management Committee also administers the Graduate Diploma in Occupational Health & Safety Management and degree of Master of Occupational Health and Safety. A Coursework Coordinator, a full-time member of the academic staff, is appointed at each university by the Management Committee.

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: The course is offered only on a part time basis and may attract tuition fees.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Certificate in Occupational Health & Safety Management shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University, together with a minimum of two years' appropriate work experience.
- 1.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of course

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete a course of part-time study extending over at least two semesters, and except with the special permission of the Faculty, complete the course in not more than four semesters of part-time study.

3 Course requirements

- 3.1 To qualify for the Graduate Certificate, a candidate shall satisfactorily complete the following subjects:
- | | |
|---|---|
| 7510 Occupational Health G* | 3 |
| 6094 Occupational Hygiene and Ergonomics G* | 3 |
| 8316 Occupational Safety & Statistics ** | 3 |

8846 OHS Management & Law I G ** 3

* Offered by the University of Adelaide

** Offered by the University of South Australia

- 3.2 No candidate will be permitted to count for the Graduate Certificate any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

- 4.1 A candidate normally would not be granted status for any subject which he or she has completed for another award
- 4.2 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the subject to the satisfaction of the teaching staff concerned
- 4.3 Consideration will be given to granting status to students who have partially completed equivalent courses interstate, up to a maximum of two subjects. Appropriate status (up to the year 2000) will be granted to students who have partly completed the former Graduate Diplomas at the University of South Australia and the University of Adelaide.
- 4.4 In exceptional cases, status will be granted for one subject to students who have undertaken relevant study at a TAFE institution.

5 Assessment and examination

- 5.1** There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass. Further, a pass will be recorded in two divisions with a Pass Division I being higher than a Pass Division II. To complete this award, at least a Pass Division II is required in each subject.
- 5.2** (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

6 Articulation with other awards

A candidate for the Graduate Diploma in Occupational Health and Safety Management who satisfies the requirements for the Graduate Certificate but who does not complete the requirements for the Graduate Diploma, may be admitted to the Graduate Certificate.

Candidates wishing to progress to the Graduate Diploma in Occupational Health and Safety Management must have satisfactorily completed the four compulsory subjects with a grade of at least Pass Division 1.

Syllabuses

See Master of Occupational Health and Safety for syllabus details

Graduate Diploma in Alcohol and Drug Studies

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: This course is only offered in external mode.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course for the Graduate Diploma in Drug and Alcohol Studies shall:

- (a) have qualified for a degree of the University or for a degree of another university accepted for the purposes by the University *and*
- (b) have obtained the approval of the Department of Clinical and Experimental Pharmacology.

1.2 Subject to the approval of Council, the Faculty may in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not qualify for admission to the course under (1.1) above, but who has a significant level of experience and training in the field of alcohol and drug services and who has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course and mode of delivery

2.1 To qualify for the Graduate Diploma a candidate shall satisfactorily complete a course of part-time study extending over at least two years.

2.2 This course is offered by distance education. Students can enrol in either January or July.

3 Assessment and examinations

3.1 There shall be four classes of pass in each subject for the Graduate Diploma: pass with High Distinction, pass with Distinction, pass with Credit and Pass.

3.2 (a) A candidate who fails to pass in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Faculty for such exemption

(b) A candidate who has twice failed the examination in any subject or division of a subject may not enrol for the subject again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.

(c) For the purpose of this Rule a candidate who is refused permission to sit for examination, or who, without a reason accepted by the Head of the Department of Clinical and Experimental Pharmacology as adequate, fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled in a subject for at least 5 teaching weeks, shall be deemed to have failed the examination for the subject concerned.

4 Course of study

4.1 Unless exempted therefrom by the Faculty every candidate for the Graduate Diploma in Alcohol and Drug Studies shall satisfactorily complete the following subjects to the value of 24 points, in the sequence determined by the prerequisite subject requirements specified in the syllabuses:

9903	Aetiology of Drug Problems	4
2234	Practicum and Project	4
3320	Principles of Drug Action	4
8718	Public Health Principles and Drug Use	4
2606	Treatment Principles and Practice I	4
2595	Treatment Principles and Practice II	4

Syllabuses

9903 Aetiology of Drug Problems

4 points trimester 2 or Summer semester*
8 x 3 hours of lectures

prerequisites: 3320 Principles of Drug Action

This subject will examine the factors that predispose to problematic drug use. This will include the individual and social factors that can result in the development of drug problems. Epidemiology of drug use and of drug-related problems will be discussed, together with drug problems in specific populations.

assessment: exam, case reports; relative weights to be advised at commencement of teaching

2234 Practicum and Project

4 points trimester 3 and 1#
4 weeks practical work

prerequisites: 2595 Treatment Principles and Practice II

Practicum requirements include a minimum of 2 x 2-week blocks of supervised clinical experience in alcohol/drug units, or its equivalent in case management. Students will be required to complete a log-book recording attendance and case load and to summarise a variety of cases. The project will consist of a comprehensive write-up of one case study.

assessment: case summaries, project report; relative weights to be advised at commencement of teaching

3320 Principles of Drug Action

4 points trimester 1 and 2
8 x 3 hours of lectures

This subject will provide an introduction to the pharmacology of alcohol and other drugs of dependence. It will cover general principles of drug action as well as the pharmacology of specific drugs and drug classes. Also included will be material on drug interactions and pharmacological mechanisms of drug tolerance and dependence.

assessment: exam

8718 Public Health Principles and Drug Use

4 points trimester 2 or Summer semester*
8 x 3 hours of lectures

prerequisites: 3320 Principles of Drug Action, 9903 Aetiology of Drug Problems

The public health perspective will be employed to examine how policy influences drug use and drug

problems in our society. Issues to be covered include health promotion in the drug and alcohol area, supply and demand reduction and community action.

assessment: exam, assignment; relative weights to be advised at commencement of teaching

2606 Treatment Principles and Practice I

4 points trimester 3 and 1#
8 x 3 hours of lectures

prerequisites: 3320 Principles of Drug Action, 9903 Aetiology of Drug Problems

This subject will provide an overview of both assessment of patients with alcohol and drug problems and the options for treatment that are available. It will also include management of biomedical problems associated with alcohol and drug use including management of withdrawal, overdose and associated medical conditions.

assessment: exam, case reports; relative weights to be advised at commencement of teaching

2595 Treatment Principles and Practice II

4 points trimester 1 and 2
8 x 3 hours of lectures

prerequisites: 2906 Treatment Principles and Practice I

This subject will focus on psychosocial interventions appropriate for people with alcohol and drug problems. While a range of approaches will be covered, emphasis will be on behavioural therapies developed for the treatment of alcohol and drug problems. Topics will include relapse prevention, controlled drinking, family therapy and brief intervention. Psychiatric problems associated with alcohol and drug use will also be covered.

assessment: exam, case reports; relative weights to be advised at commencement of teaching

* Summer semester = November - March

Students will commence in trimester 3 of their first year and trimester 1 of the following year

Graduate Diploma in General Practice Palliative Care

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Diploma in General Practice Palliative Care shall have qualified for the degrees of Bachelor of Medicine and Bachelor of Surgery of the University *or* a degree of another institution accepted by the Faculty for the purpose as equivalent to these degrees of the University.
- 1.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete two years of part time study.

3 Course requirements

- 3.1 To qualify for the Graduate Diploma, a candidate shall satisfactorily complete subjects to the value of 24 points, as follows:

3087 Cancer	4
4400 Grief and Loss	4
8322 History, Law and Ethics	4
1942 Pain	4
9227 Symptom Control I	4
4299 Symptom Control II	4

- 3.2 No candidate will be permitted to count for the Graduate Diploma any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

- 4.1 Except with the special permission of the Head of the Department of General Practice, no candidate will be granted status for any of the core subjects of the Graduate Diploma.
- 4.2 No candidate shall be granted status for subjects with a total value of more than 12 points.
- 4.3 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Head of the Department concerned, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

Syllabuses

3087 Cancer

4 points trimester 1
4 hours per week

This subject will focus on the cancer treatment modalities, particularly surgery, chemotherapy and radiotherapy and their use singly and together in palliating the symptoms of cancer. Their role will be illustrated in the management of the common tumour types. The management of oncological emergencies will be discussed. The role of palliative care in a multidisciplinary cancer team will be discussed. The role of palliative care in a multidisciplinary cancer team will be explored. An opportunity for practical experience will form part of the subject.

assessment: coursework, assignment and practical assessment

4400 Grief and Loss

4 points trimester 2
4 hours per week

This subject will include the nature of grief, its cultural expressions and normal variations and abnormal reactions to loss. The effects of grief on patients, families and health professionals will be explored. Dimensions of spirituality and the dying patient will be discussed. An opportunity for counselling experience and self reflective learning will form part of the subject.

assessment: coursework, assignment and practical assessment

8322 History, Law and Ethics

4 points trimester 3
4 hours per week

The history of the development of palliative care and community attitudes to death and dying will be discussed. This module will explore patient autonomy and self determination and the clinician's duty of care. The question of the competence of sick patients to make decisions and the role of others, particularly family and decision making, with or without advanced directives, will be explored. Options for decision making and the law relating to death and dying will be presented. The allocation of medical resources, both the principles of macro-allocation and issues at the level of individual patient care will be discussed.

assessment: coursework, assignment and practical assessment

1942 Pain

4 points trimester 1
4 hours per week

The following material will be explored during the subject: anatomy and physiology of pain, pharmacology of pain transmission and modulation, psychological aspects of pain, general principles of pain evaluation and management and the practical application of analgesics, co-analgesics and non-drug treatments. An opportunity for practical experience will form part of the subject.

assessment: coursework, assignment and practical assessment

9227 Symptom Control I

4 points trimester 2
4 hours per week

This subject will cover symptoms commonly experienced during a terminal illness, particularly those relating to the gastrointestinal, respiratory, genito-urinary and endocrine systems. Symptom assessment and management will be explored with an emphasis on applied pharmacology and consideration on non-pharmacological techniques. An Opportunity for practical experience will form part of the subject.

assessment: coursework, assignment and practical assessment

4299 Symptom Control II

4 points trimester 3
4 hours per week

This subject will continue the exploration of symptoms commonly experienced during a terminal illness including the management of skin problems, musculo-skeletal, central nervous systems, infections and haematological abnormalities. Palliative aspects of acquired immune deficiency syndrome will be discussed. An opportunity for practical experience will form part of the subjects.

assessment: coursework, assignment and practical assessment

Graduate Diploma in General Practice Psychotherapy

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Diploma in General Practice Psychotherapy shall have qualified for the degrees of Bachelor of Medicine and Bachelor of Surgery of the University *or* a degree of another institution accepted by the Faculty for the purposes as equivalent to these degrees of the University.
- 1.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete two years of part time study.

3 Course of study

3.1 Core subjects

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete subjects to the value of 24 points, as follows:

8108 Anxiety Disorders	3
8835 Basic Skills in Psychotherapy	3
2824 Diagnostic Essentials	3
9683 Depressive Disorders	3
8756 Project (GP)	3
4014 Therapeutic Essentials	3

3.2 Electives

All candidates shall complete elective subjects to the value of 6 points selected from the following:

2911 Eating Disorders	3
4681 Existential Approaches in Psychotherapy	3
5544 Hypnotherapy	3
9601 Self Care for Therapists	3
7482 Systems, Family and Narrative Therapies	3

The offering of particular subjects in any academic year will be dependant on the level of demand for the subject and the availability of staff.

Notwithstanding the above, a candidate with the permission of the Head of the Department of General Practice may present another subject or subjects offered by this or another university in lieu of one or two of the above elective subjects.

- 3.3 No candidate will be permitted to count for the Graduate Diploma any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

- 4.1 Except with the special permission of the Head of the Department of General Practice, no candidate will be granted status for any of the core subjects of the Graduate Diploma.
- 4.2 No candidate shall be granted status for subjects with a total value of more than 12 points.
- 4.3 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Head of the Department concerned, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

Syllabuses

core subjects

8108 Anxiety Disorders

3 points semester 2
2 hours per week

This subject will examine anxiety in much greater detail than the introductory subjects. In particular it will provide an in-depth study of panic disorder and agoraphobia, generalised anxiety disorder, social and specific phobias, obsessive-compulsive disorder and post-traumatic stress disorder. Diagnosis and management will be emphasised. An opportunity for practical experience will form part of the subject.

assessment: coursework, assignment and practical assessment

8835 Basic Skills in Psychotherapy

3 points semester 1
2 hours per week

This subject will review and then extend basic interviewing and communication skills. Emphasis will be given to different styles of questioning, coping with difficult patients and interacting with patients from different cultures. Also included will be an overview of the development of the more popular schools of therapy and material on the limitations of psychotherapy. An opportunity for practical experience will form part of the subject.

assessment: coursework, assignment and practical assessment

9683 Depressive Disorders

3 points semester 1
2 hours per week

prerequisites: Pass in 8835 Basic Skills in Psychotherapy, 2824 Diagnostic Essentials, 4014 Therapeutic Essentials

This subject will provide students with a sound basis to undertake treatment of grief, major depressive illness and other depressive disorders including dysthymia. While mainly concentrating on psychotherapeutic management there will be a review of medication and its role in management. An opportunity for practical experience will form part of the subject.

assessment: coursework, assignment and practical assessment

2824 Diagnostic Essentials

3 points semester 1
2 hours per week

This subject will provide an overview of the common diagnostic groups amenable to general practice psychotherapy. In addition to anxiety, depression, adjustments and somatoform disorders, eating disorders and life crises there will also be an emphasis on what constitutes normal behaviour. An opportunity for practical experience will form part of the subject.

assessment: coursework, assignment and practical assessment

8756 Project

3 points semester 1 or 2
2 hours per week

The student will negotiate a project with the Department of General Practice. This may take the form of a clinical attachment, clinical supervision or research project. If an attachment or supervision is chosen a report detailing the results of this experience will be required.

4014 Therapeutic Essentials

3 points semester 2
2 hours per week

This subject will further develop psychotherapy skills in the area of therapeutic intervention. It will emphasise the importance of language and reflective listening, relaxation training, supportive psychotherapy and cognitive behavioural therapy. Various other therapeutic intervention styles will be discussed, as determined by the interests of the students. An opportunity for practical experience will form part of the subject.

assessment: coursework, assignment and practical assessment

elective subjects

2911 Eating Disorders

3 points semester 1 or 2
2 hours per week

prerequisites: Pass in 8835 Basic Skills in Psychotherapy, 2824 Diagnostic Essentials, 4014 Therapeutic Essentials

There will be a series of tutorials in the first half of the semester covering the theoretical basis of

psychotherapy in eating disorders. This will include background to the epidemiology, clinical presentation and assessment, outcome and prognosis, medical complications and risk factors for these disorders, the main treatment modalities used and empirical evidence for efficacy of therapy.

Throughout the semester the elective student will meet regularly with the elective supervisors to present cases of eating disorders presenting to their practice and will be supervised in the psychotherapy of at least one case during the course of the elective.

4681 Existential Approaches to Psychotherapy

3 points semester 1 or 2

2 hours per week

prerequisites: Pass in 8835 Basic Skills in Psychotherapy, 2824 Diagnostic Essentials, 4014 Therapeutic Essentials

This subject will outline the origins of Existential Psychotherapy, including European existentialist philosophers, eg. Soren Kierkegaard, Karl Jaspers and Martin Heidegger; and American humanists such as Carl Rogers and Abraham Maslow. In particular, the work of Viktor Frankl (Logotherapy and Existential Analysis) and his followers will be examined in detail. These psychotherapeutic orientations will be illustrated using a combination of case studies and more theoretical material, emphasising the need to understand the historical origins and philosophical rationales, as well as developing some familiarity and skill in their application

5544 Hypnotherapy

3 points semester 1 or 2

2 hours per week

prerequisites: Pass in 8835 Basic Skills in Psychotherapy, 2824 Diagnostic Essentials, 4014 Therapeutic Essentials

The application of hypnotherapy to the psychotherapeutic tasks encountered in General Practice Psychotherapy. Attention will be given to the nature and induction of therapeutic trance states and their handling and direction, particularly with regard to anxiety, depression phobic conditions, habit and eating disorders and chronic pain. The theoretical background and practical aspects will be discussed.

9601 Self Care for Therapists

3 points semester 1 or 2

2 hours per week

prerequisites: Pass in 8835 Basic Skills in Psychotherapy, 2824 Diagnostic Essentials, 4014 Therapeutic Essentials

Consideration of therapist's motives, supervision, records (including audio and video recording of sessions), stress management, doctor-patient boundaries and a need for continuing support and education.

7482 Systems, Family and Narrative Therapies

3 points semester 1 or 2

2 hours per week

prerequisites: Pass in 8835 Basic Skills in Psychotherapy, 2824 Diagnostic Essentials, 4014 Therapeutic Essentials

This elective will introduce students to the principles of systems theory as it applies to general practice and therapy, followed by a more detailed study of the different family therapies including narrative therapy. The program for the detailed study will be responsive to the needs of the individual student and will be organised with respected experts and teachers in the field.

assessment: course work, assignment and practical assessment

Graduate Diploma in Nursing Science

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 General

1.1 There shall be a Graduate Diploma in Nursing Science which is offered in the following specialisations:

- 1.1 Anaesthetic Nursing
- 1.2 Anaesthetic and Recovery Nursing
- 1.3 Cardiac Nursing
- 1.4 Clinical Nursing
- 1.5 Community Psychiatric Nursing
- 1.6 Emergency Nursing
- 1.7 General Practice Nursing
- 1.8 Gerontological Nursing
- 1.9 High Dependency Nursing
- 1.10 Intensive Care Nursing
- 1.11 Medical Nursing
- 1.12 Oncology Nursing
- 1.13 Orthopaedic Nursing
- 1.14 Peri-operative Nursing
- 1.15 Public Health Nursing
- 1.16 Recovery Nursing
- 1.17 Surgical Nursing

2 Admission requirements

2.1 An applicant for admission to the course of study for the Graduate Diploma shall:

- (a) be registered, or be eligible for registration, as a nurse in South Australia *and*
- (b) have qualified for a degree of Bachelor of Nursing of a university accepted for the purposes by the University *or*
- (c) have at least two years experience as a registered nurse in the field of the specialisation to be undertaken.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 2.1 above, but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the course.

3 Duration of course

To qualify for the Graduate Diploma shall satisfactorily complete a course of study comprising one year of full time study or not more than two years of part time study

4 Course requirements

To qualify for the Graduate Diploma a candidate shall successfully complete

4.1 Core subjects, listed below, to the value of 8 points.

5054 Developing Advanced Practice in Health Systems I	4
3706 Developing Advanced Practice in Health Systems II	4

4.2 A specialisation set of subjects, listed below, to the value of 16 points.

Anaesthetic Nursing

8919 Nursing & Medical Science in Anaesth & Recovery I	4
9394 Nursing & Medical Science in Anaesth & Recovery II	4
5671 Anaesthetic Nursing I	4
5984 Anaesthetic Nursing II	4

Anaesthetic and Recovery Nursing

8919 Nursing & Medical Science in Anaesth & Recovery I	4
9394 Nursing & Medical Science in Anaesth & Recovery II	4
5671 Anaesthetic Nursing I	4
5162 Recovery Nursing II	4

Cardiac Nursing

4057 Nursing & Medical Science in Cardiac Nursing I	4
9486 Nursing & Medical Science in Cardiac Nursing II	4
1485 Cardiac Nursing I	4
5009 Cardiac Nursing II	4

Clinical Nursing

Subjects to the value of 16 points from the following:

6389 Stomal Therapy	6
3240 Hyperbaric Nursing I	6
9557 Diabetes Education	4
7469 Infection Control Nursing	6
5521 Wound Management	6
8552 Rehabilitation Nursing	6
2946 Management of Incontinence	6
5046 Grief and Bereavement	4
9191 Cardiac Monitoring	4
5485 Advanced Nursing Skills for Activities of Living	4
8399 Mental Health Care In Acute Settings	4

and such other subjects that might be approved by the Faculty

Community Psychiatric Nursing

1562 Community Psychiatric Nursing I	4
3140 Community Psychiatric Nursing II	4
1723 Reflective Practice in Primary Health Care for Mental Health	4
7352 Advances in Community Psychiatric Care	4

Emergency Nursing

1566 Nursing & Medical Science in Emergency Nursing I	4
7214 Nursing & Medical Science in Emergency Nursing II	4
3571 Emergency Nursing I	4
8219 Emergency Nursing II	4

General Practice Nursing

3929 General Practice Nursing I	4
9175 General Practice Nursing II	2
1203 Nursing and Medical Science in Primary Health Care	4
4264 Introduction to Pharmacology and Pathology	3
9282 Health Assessment	3

Gerontological Nursing

4961 The Aging Process	4
9887 Functional Assessment	4
2401 Gerontological Nursing	4
8638 Contemporary Issues in Aged Care	4

High Dependency Nursing

3036 Nursing & Medical Science in High Dependency Nursing I	4
5790 Nursing & Medical Science in High Dependency Nursing II	4
6189 High Dependency Nursing I	4
5311 High Dependency Nursing II	4

Intensive Care Nursing

1340 Nursing & Medical Science in Intensive Care I	4
3883 Nursing & Medical Science in Intensive Care II	4
5036 Intensive Care Nursing I	4
7060 Intensive Care Nursing II	4

Medical Nursing

5348 Nursing & Medical Science in Acute Care I	4
4031 Nursing & Medical Science in Internal Medicine	4
8230 Medical Nursing I	4
5247 Medical Nursing II	4

Oncology Nursing

4649 Nursing & Medical Science in Oncology Nursing I	4
5753 Nursing & Medical Science in Oncology Nursing II	4
4867 Oncology Nursing I	4
7805 Oncology Nursing II	4

Orthopaedic Nursing

5348 Nursing & Medical Science in Acute Care	4
3986 Nursing and Medical Science in Orthopaedics	4
7331 Orthopaedic Nursing I	4
3704 Orthopaedic Nursing II	4

Peri-operative Nursing

6270 Nursing & Medical Science in Peri-Operative Nurs I	4
1034 Nursing & Medical Science in Peri-Operative Nurs II	4
4601 Peri-Operative Nursing I	4
5665 Peri-Operative Nursing II	4

Public Health Nursing

3868 Contemporary Issues in Public Health Nursing	4
4672 Prevention in Practice	3
2389 Prevention Principles	1.5
2627 Introduction to Biostatistics	1.5
6635 Introduction to Epidemiology	3
<i>and one elective subject from the following list:</i>	
2836 Public Health Studies	3
4463 Public Health Policy the Aged	3
7238 Aboriginal Health Policy	3
7465 Public Health Nutrition	3
2888 Health Resource Allocation Occupational Health	3
3945 Health Service Organisation	3
5546 Public Health Law	3

Recovery Nursing

8919 Nursing & Medical Science in Anaesth & Recovery I	4
9394 Nursing & Medical Science in Anaesth & Recovery II	4
7448 Recovery Nursing I	4
5162 Recovery Nursing II	4

Surgical Nursing

5348 Nursing & Medical Science in Acute Care I	4
6434 Nursing and Medical Science in Surgical Care	4
8176 Surgical Nursing 1	4
9690 Surgical Nursing 11	4

- 4.3 Notwithstanding the above, if a candidate has successfully completed a recognised hospital certificate and gained at least two years advanced post registration experience in the specialisation of the certificate within five years of commencing candidature, the candidate shall

quality for the Graduate Diploma by successfully completing:

- (a) the core subjects listed in 5.1 above to the value of 8 points
- (b) the four point subject 3859 Focused Reading in Clinical Nursing

5 Status, exemption and credit transfer

- 5.1 No candidate, normally, will be granted status in any of the core subjects.
- 5.2 No candidate shall be granted status for subjects with a total value of more than 12 points on account of subjects presented for any other award.
- 5.3 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

6 Assessment and Examinations

- 6.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 6.2 A candidate who does not complete the specified work to the satisfaction of the teaching staff concerned shall be awarded a failing grade of Incomplete-Fail.
- 6.3 A candidate who fails a subject twice may be subject to a *Review of Academic Progress* under the provisions of Clause 4C of Chapter 25 of the Statutes.

7 Additional Specialisations

If a candidate who qualifies for the Graduate Diploma subsequently undertakes, as a non-award student, another specialisation, the candidate may, on payment of a fee determined by the University, return the Graduate Diploma testamur and receive a new testamur listing all the specialisations completed.

Syllabuses

5485 Advanced Nursing Skills for Activities of Living

4 points semester 1 or 2
40 hours delivered as five study days

This subject is designed to have students make a serious review of what they have designated as "basic nursing care". The subject takes a strong consumer focus and uses a variety of specialist health professionals to deepen the student's knowledge of and nursing response to, the activities of daily living which maintain and restore patient health.

assessment: 2000 word essay 40%; 3000 word essay 60%. Students must pass each component of assessment

7352 Advances in Community Psychiatric Care

4 points semester 1
2 hours per week

This subject will examine fundamental theories to introduce the basic principles of those areas of the physical and social sciences which inform specialist community psychiatric practice. Topics will include an introduction to advanced nursing science; advanced psychology and advanced therapeutics.

assessment: 3000 word mid - term assignment 60%; 1.5 hour exam 40%. Students must pass each component of assessment

5671 Anaesthetic Nursing I

4 points semester 1
2 hours per week as required for workshops for 13 weeks plus 300 hours clinical practice.

This subject will largely consist of field based learning within the area of Anaesthetic Nursing, supported by workshops. Advanced clinical skill acquisition will occur based on theoretical frameworks of care so that skills are not acquired within a vacuum which does not include the patient and family in context.

assessment: 2500 word case study 50%; viva voce exam (30 minute) 50%; competency log book/assessment Pass/ fail. Students must pass each component of assessment

5984 Anaesthetic Nursing II

4 points semester 2
2 hours per week as required for workshops for 13 weeks, plus 300 hours clinical practice.

This subject will build on student's previous learning in Anaesthetic Nursing I. It will focus on advanced clinical skill acquisition, based on theoretical frameworks of care through field based learning within the area of Anaesthetic Nursing.

assessment: 2500 word case study presentation 50%; viva voce examination (30 minute) 50%; competency log book/ assessment Pass/fail. Students must pass each component of assessment

9191 Cardiac Monitoring

4 points semester 1 or 2
2 hours per week

This subject will examine nursing and medical science in relation to cardiac monitoring. Topics will include basic electrocardiography; identification of arrhythmias; nursing management of myocardial ischaemia, injury and infarction; and patient education processes.

assessment: case study 1500 words 30%, viva voce (30 minute) 50%, workbook equivalent to 1000 words 20%. Students must pass each component of assessment

1485 Cardiac Nursing I

4 points semester 1
2 hours per week as required for workshops for 13 weeks plus 300 hours clinical practice.

This subject will largely consist of field based learning within the area of cardiac nursing, supported by workshops. Advanced clinical skill acquisition will occur based on theoretical frameworks of care so that skills are not acquired within a vacuum which does not include the patient and family in context.

assessment: 2500 word case study 50%, viva voce examination (30 minute) 50%, competency assessment Pass/fail. Students must pass each component of assessment

5009 Cardiac Nursing II

4 points semester 2
2 hours per week as required for workshops for 13 weeks, plus 300 hours clinical practice.

This subject will build on student's previous learning in Cardiac Nursing I. It will focus on advanced clinical skill acquisition, based on theoretical frameworks of care through field based learning within the area of cardiac nursing.

assessment: 2500 word case study 50%, viva voce examination (30 minute) 50%, competency assessment Pass/fail. Students must pass each component of assessment

1562 Community Psychiatric Nursing I

4 points semester 1

2 hours per week; 200 hours clinical practice

This subject will largely consist of field based learning within the area of community psychiatric care, supported by tutorials and seminars. Advanced clinical skill acquisition will occur based on theoretical frameworks of care which include the patient and family in context.

assessment: 2500 word case study 50%, 30 min. viva voce exam 50%, competency assessment Pass/fail. Students must pass each component of assessment

3140 Community Psychiatric Nursing II

4 points semester 2

2 hours per week; 200 hours clinical practice

This subject will build on student's previous learning in Community Psychiatric nursing I. It will focus on further advanced clinical skill acquisition; case and caseload management; multi disciplinary teamwork; and the principles of domiciliary care, health promotion and caseload surveillance.

assessment: 2500 word case study 50%, 30 min. viva voce exam 50%, competency assessment Pass/fail. Students must pass each component of assessment

8638 Contemporary Issues In Aged Care

4 points semester 2

2 hours per week or equivalent

This subject will examine contemporary issues and debates specifically related to service delivery in the aged care sector. The impact of Government policies and funding arrangements on the delivery of professional services to elderly people will be studied in detail. Subjects will be directly related to the management and administration of a nursing service for elderly people in Australia.

assessment: 2000 word essay 40%, 3000 word essay 60%

3868 Contemporary Issues in Public Health Nursing

4 points semester 1

2 hours per week

This subject will examine the role of the nurse in health promotion and health surveillance in the following public health areas - women's health; men's health, maternal and child health; immunisation; substance abuse and mental health. It will focus also on advanced clinical skills acquisition with reference to theoretical frameworks of care through field based learning, supported by tutorials, within the area of public health nursing.

assessment: 2000 word mid - term assignment 40%, 3000 word end of semester assignment 60%

5054 Developing Advanced Practice in Health Systems I

4 point semester 1

2 hours per week

This subject will consider the supports and constraints within which nurses practice. Topics will include advanced nursing practice, ethics of care; legalities of health care; professional standards and competencies; current issues in health economics and management; skill mix; specialisation and multi skilling; and multidisciplinary perspectives on health care.

assessment: 1000 word clinical effectiveness research proposal 20%, 2000 essay 40%, 4 class presentations 40%

3706 Developing Advanced Practice in Health Systems II

4 points semester 2

2 hours per week

This subject will build on the student's previous learning in Developing Advanced Nursing Practice in Contemporary Health Systems I and current clinical experience. It will focus on the phenomena which nurses encounter in practice and which form the basis of nursing inquiry. It will focus on health informatics, reflective processes, the research process, and theory building.

assessment: 1 hour test paper (informatics) 30%, 3500 - 4000 word practice inquiry report 70%

9557 Diabetes Education

4 points semester 1 or 2
32 hours

This subject will examine nursing and medical science in relation to diabetes. Topics will include the pathophysiology of diabetes, the management of diabetes, pharmacology, human nutrition and the teaching/learning process in patient education.

assessment: 2000 word class paper 40%, 3000 word essay 60%. Students must pass each component of assessment

3571 Emergency Nursing I

4 points semester 1

2 hours per week as required for workshops; 300 hours clinical practice

This subject will largely consist of field based learning within the area of Emergency Nursing, supported by workshops. Advanced clinical skill acquisition will occur based on theoretical frameworks of care so that skills are not acquired within a vacuum which does not include the patient and family in context.

assessment: 2500 word case study 50%, viva voce 30 min. exam 50%, competency assessment. Pass/fail. Students must pass each component of assessment

8219 Emergency Nursing II

4 points semester 2

2 hours per week as required for workshops, plus 300 hours clinical practice.

This subject will build on student's previous learning in Emergency Nursing I. It will focus on advanced clinical skill acquisition, based on theoretical frameworks of care through field based learning within the area of Emergency Nursing.

assessment: 5 x tutorials of 250 words, and presentation (or equivalent) 50%; 30 minute viva voce exam 50% Competency assessment Pass/fail. Students must pass each component of assessment

3859 Focused reading in clinical nursing

4 points semester 1 and 2

Two hour lecture

Individual supervision by appointed supervisor.

This subject will examine contemporary clinical nursing practice through a systematic review of the literature. Students will be required to follow a protocol to ensure scientific rigour and minimise potential bias.

assessment: 2000 – 3000 word literature review 50%; presentation and justification of a revised practice standard 50%

9887 Functional Assessment

4 points semester 2

39 hours of tutorials

This subject will focus on the skills of assessment and the planning of care and services. Topics will include physical assessment; assessment of activities of living; psycho-social assessment; problem identification and management; and enablement processes.

assessment: 3000 word mid - term assignment 60%, viva voce exam (20 min) 40%

3929 General Practice Nursing I

4 points semester 1

2 hours per week as required for workshops; 300 hours clinical practice.

This subject will largely consist of field based learning within the area of General Practice nursing, supported by workshops. Advanced clinical skill acquisition will occur based on theoretical frameworks of care so that skills are not acquired within a vacuum which does not include the patient and family in context.

assessment: 2000 word case study 50%, competency assessment 50%

9175 General Practice Nursing II

2 points semester 2

2 hours per week as required for workshops, plus 300 hours clinical practice.

This subject will largely consist of field based learning within the area of emergency care. It will focus on advanced clinical skill acquisition, based on theoretical frameworks of care through field based learning.

assessment: viva voce exam 100%, competency assessment Pass/fail. Students must pass each component of assessment

2401 Gerontological Nursing

4 points semester 1

13 hours tutorials; 200 hours clinical practice.

This subject will largely consist of field based learning within the area of aged care, supported by tutorials. Advanced clinical skill acquisition will occur based on theoretical frameworks of care so that skills are acquired within an environment which includes the patient and family in context.

assessment: 2500 word case study 50%, viva voce exam (30 min) 50%, competency assessment Pass/Fail

5046 Grief and Bereavement

4 points semester 1 or 2

40 hours delivered as five study days

This subject will examine the experience of loss and grief. Topics will include the psychology of loss and grief; coping with death; and the role of the nurse in caring for the dying and their significant others. Small group tutorials and experiential learning will be utilised to assist students to develop individual strategies to effectively help those who are grieving.

assessment: 2000 word essay 40%; 3000 word essay 60%. Students must pass each component of assessment

9282 Health Assessment

3 points semester 1

2 hours per week

Taking a holistic approach, this subject will present methods of taking a health history, physical examination skills and health promotion techniques. These skills will assist general practice nurses to function in a multidisciplinary setting and in isolated practice.

assessment: presentation and description of health assessment

6189 High Dependency Nursing I

4 points semester 1

2 hours per week; 300 hours clinical practice

This subject will largely consist of field based learning within the area of High Dependency Nursing practice, supported by tutorials. Advanced clinical skill acquisition will occur based on theoretical frameworks of care so that skills are not acquired within a vacuum which does not include the patient and family in context.

assessment: 2500 word case study 50%, 30 min. viva voce exam 50%, competency assessment Pass/fail. Students must pass each component of the assessment.

5311 High Dependency Nursing II

4 points semester 2

2 hours per week; 300 hours clinical practice

This subject will build on student's previous learning in High Dependency Nursing I. It will focus on further advanced clinical skill acquisition, based on theoretical frameworks of care through field based learning within the area of high dependency nursing.

assessment: 2500 word case study 50%, 30 min. viva voce exam 50%, competency assessment Pass/fail. Students must pass each component of the assessment

3240 Hyperbaric Nursing I

6 points semester 1

4 hours per week; field placements.

This subject will examine nursing and medical science in relation to the indications for hyperbaric treatment, the principles of hyperbaric nursing and the physical and psycho-social needs of those undergoing hyperbaric treatment. Topics will include anatomy, physiology, psychosocial care, hyperbaric management and the teaching/learning process in patient education. Students will be required to participate in field experience.

assessment: 1500 word mid term assignment 20%, tutorial presentation (equivalent to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%. Students must pass each component of assessment

7469 Infection Control Nursing

6 points semester 2

2 hours per week; field visits

This subject will examine nursing and medical science in relation to the control of infection. Topics will include microbiology, the management of infection, the teaching/learning process in staff education and contemporary issues in infection control.

assessment: 1500 word mid term assignment 20%, tutorial presentation (equivalent to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%. Students must pass each component of assessment

5036 Intensive Care Nursing I

4 points semester 1

2 hours per week as required for workshops; 300 hours clinical practice

This subject will largely consist of field based learning within the area of Intensive Care nursing, supported by workshops. Advanced clinical skill acquisition will occur based on theoretical frameworks of care so that skills are not acquired within a vacuum which does not include the patient and family in context.

assessment: 2500 word essay 50%, 30 min. viva voce exam 50%, competency assessment Pass/fail. Students must pass each component of assessment

7060 Intensive Care Nursing II

4 points semester 2

2 hours per week as required for workshops; 300 hours clinical practice

This subject will build on student's previous learning in Intensive Care Nursing I. It will focus on advanced clinical skill acquisition, based on theoretical frameworks of care through field based learning within the area of Intensive Care nursing.

assessment: 2500 word case study 50%, 30 min. viva voce exam 50%, competency assessment Pass/fail. Students must pass each component of assessment

2627 Introduction to Biostatistics

Conducted by the Department of Public Health

1.5 points semester 2

1 hour per week

Biostatistics is the application of statistics and its methodology to biological systems, in our case to problems of health and disease in humans. Basic concepts of information processing and reduction, sampling and inference techniques and interpretation are explored using public health examples. This subject provides a natural sequel to the core unit Introduction to Epidemiology, where many of the concepts of biostatistics find their application.

assessment: to be advised

6635 Introduction to Epidemiology

Conducted by the Department of Public Health

3 points semester 1

2 hours per week

This subject deals with epidemiological concepts and terminology, basic analytical techniques and research designs. It does not aim to train specialist epidemiologists; instead the purpose is to give 'undifferentiated' public health workers an introduction to the area. Some basic numeracy skills will be required. By the end of the course students should: 1) grasp basic concepts in epidemiology; 2) have an understanding of the broad research strategies applied in the discipline; 3) begin to critically assess literature in the public health domain which employs epidemiological methods; 4) understand the uses that are made of epidemiological information in public health and 5) understand the role of epidemiology in surveillance of the health status of populations.

assessment: to be advised

4264 Introduction to Pharmacology and Pathology

3 points semester 2

3 hours per week

This subject advances students' understanding of pathology and pharmacology, as they relate to specific diseases. Students will be required to apply this knowledge to the clinical problems encountered in their daily nursing practice.

assessment: 2000 word mid term essay 50%, 1.5 hour exam 50%. Students must pass each component of assessment

2946 Management of Incontinence

6 points semester 2

40 hours delivered as five study days

This subject will examine nursing and medical science in relation to continence management. Topics will include anatomy and physiology of the eliminatory system; diagnosis and treatment of incontinence; the management of incontinence; the lived experience of incontinence and the teaching/learning process in patient education.

assessment: 1500 word mid term assignment 20%, tutorial presentation (equivalent to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%. Students must pass each component of assessment

8230 Medical Nursing 1

4 points semester 1

2 hours per week

This subject will largely consist of field based learning within the area of Medical nursing. Advanced clinical skills acquisition will occur based on theoretical frameworks of care within the area of medical nursing.

assessment: 2500 word case study 50%, 30 min. viva voce exam 50%, competency assessment Pass/ fail. Students must pass each component of assessment

5247 Medical Nursing 11

4 points semester 2

2 hours per week

This subject will build on the student's previous learning in Medical Nursing I. It will focus on further advanced clinical skills acquisition based on theoretical frameworks of care through field based learning within the area of Medical nursing.

assessment: 2500 word case study 50%, 30 min. viva voce exam 50%, competency assessment Pass/ fail. Students must pass each component of assessment

8399 Mental Health Care in Acute Settings

4 points semester 1 or 2
40 hours delivered as five study days

This subject addresses mental health care issues arising in the acute (physical) care setting. Topics include the Mental Health Act and its implications for nurses, characteristics of the most common types of mental illness and consumer expectations. Students will be provided with an experiential introduction to techniques such as counselling, visualisation and conflict minimisation.

assessment: 2000 word essay 40%; 3000 word essay 60%. Students must pass each component of assessment

5348 Nursing & Medical Science in Acute Care I

4 points semester 1
3 hours per week

This subject will focus on nursing and medical science specific to the field of Acute Nursing practice. The focus will be on anatomy and physiology, pharmacokinetics, microbiology, biochemistry, therapeutics and nursing science.

assessment: tutorial presentation and briefing paper (2500 word equivalent) 50%, 2 hour Exam 50%. Students must pass each component of assessment

8919 Nursing & Medical Science in Anaesth & Recovery I

4 points semester 1
3 hours per week for 13 weeks

This subject will build on the clinical and core subjects in the specialty of Anaesthetic and Recovery Nursing. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: theoretical Proforma 2500 word equivalent 50%, exam mid term (take home) 25%, 1 hour Exam 25%. Students must pass each component of assessment

9394 Nursing & Medical Science in Anaesth & Recovery II

4 points semester 2
3 hours per week for 13 weeks

This subject will build on Nursing and Medical Science in Anaesthetic Nursing I and the other specialty Anaesthetic and Recovery Nursing subjects. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: theoretical Proforma 2500 word equivalent 50%, exam mid term (take home) 25%, 1 hour exam 25%. Students must pass each component of assessment

4057 Nursing & Medical Science in Cardiac Nursing I

4 points semester 1
3 hours per week for 13 weeks

This subject will build on the clinical and core subjects in the specialty of cardiac nursing. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: tutorial presentations, briefing paper equivalent to 2500 words 50%, 2 hour exam 50%. Students must pass each component of assessment

9486 Nursing & Medical Science in Cardiac Nursing II

4 points semester 2
3 hours per week for 13 weeks

This subject will build on Nursing and Medical Science in Cardiac Nursing I and the other specialty cardiac subjects. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: 2500 word essay 50%, 2 hour exam 50%. Students must pass each component of assessment

1566 Nursing & Medical Science in Emergency Care I

4 points semester 1
3 hours per week for 13 weeks

This subject will build on the clinical and core subjects in the specialty of Emergency Nursing. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: 1250 word essay 25%, 1 hour mid-term exam 25%, 2 hour exam 50%. Students must pass each component of assessment

**7214 Nursing & Medical Science in
Emergency Care II**

4 points semester 2

3 hours per week for 13 weeks

This subject will build on Nursing and Medical Science in Emergency Nursing I and the other specialty emergency subjects. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: tutorial papers (1250 words equivalent) 25%, tutorial presentations (1250 words equivalent) 25%, 2 hour exam 50%. Students must pass each component of assessment

**3036 Nursing & Medi Science in High Dep
Nursing I**

4 points semester 1

3 hours per week - flexible learning mode

This subject will build on the clinical subjects and core units and will focus on nursing and medical science specific to specialist High Dependency Nursing practice. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: 2500 word essay 50%; 2hour exam 50%. Students must pass each component of the assessment

**5790 Nursing & Medi Science in High Dep
Nursing II**

4 points semester 2

3 hours per week - flexible learning mode

This subject will build on the clinical subjects and core units and will focus on nursing and medical science specific to High Dependency Nursing practice. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: 2500 word essay 50%, 2 hour exam 50%. Students must pass each component of the assessment

**1340 Nursing & Medical Science in Intensive
Care I**

4 points semester 1

3 hours per week

This subject will build on the clinical and core subjects in the specialty of Intensive Care nursing. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: work book completion (1250 words equivalent) Pass/fail, tutorial presentations (1250 word equivalent) 40%, 2 hour exam 60%. Students must pass each component of assessment

**3883 Nursing & Medical Science in Intensive
Care II**

4 points semester 2

3 hours per week

This subject will build on Nursing and Medical Science in Intensive Care I and the other specialty Intensive Care subjects. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: work book completion (1250 words equivalent) Pass/fail, tutorial presentations (1250 word equivalent) 40%, 2 hour exam 60%. Students must pass each component of assessment

**4031 Nursing and Medical Science in
Internal Medicine**

4 points semester 2

3 hours per week

This subject will build on Nursing and Medical Science in Acute Nursing I and the other specialty subjects. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: 2500 word essay 50%, 2 hour Exam 50%. Students must pass each component of assessment

**4649 Nursing & Medical Science in
Oncology Nursing I**

4 points semester 1

3 hours per week

This subject will build on the clinical and core subjects in the specialty of Oncology Nursing. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: tutorial presentation and briefing paper (equivalent 2500 words) 50%, 2 hour exam 50%. Students must pass each component of assessment

**5753 Nursing & Medical Science in
Oncology Nursing II**

4 points semester 2

3 hours per week

This subject will build on Nursing and Medical Science in Oncology Nursing I and the other specialty subjects. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: tutorial presentation and briefing paper (equivalent 2500 words) 50%, 2 hour exam 50%. Students must pass each component of assessment

3986 Nursing and Medical Science in Orthopaedics

4 points semester 2

3 hours per week

This subject will build on Nursing and Medical Science in Acute Nursing I and the other specialty subjects. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: 2500 word essay 50%, 2 hour exam 50%. Students must pass each component of assessment

6270 Nursing & Medical Science in Peri-Operative Nursing I

4 points semester 1

3 hours per week

This subject will build on the clinical and core subjects in the specialty of Peri-Operative Nursing. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: workbook (2500 word equivalent) 50%, 2 hour exam 50%. Students must pass each component of assessment

1043 Nursing & Medical Science in Peri-Operative Nursing II

4 points semester 2

3 hours per week

This subject will build on Nursing and Medical Science in Peri-Operative Nursing I and the other specialty Peri-Operative Nursing subjects. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: workbook (2500 word equivalent) 50%, 2 hour exam 50%. Students must pass each component of assessment

1203 Nursing and Medical Science in Primary Health Care

4 points semester 1

3 hours per week

The focus of this subject will be on epidemiology, health education and promotion, the sociology of health and illness and models of primary health care.

assessment: 1000 word mid term assignment 25%, mid-term test paper 25%, 3000 word essay 50%

6434 Nursing and Medical Science in Surgical Care

4 points semester 2

3 hours per week

This subject will build on Nursing and Medical Science in Acute Care and the other specialty subjects. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: class paper with briefing paper 40%, exam 60%. Students must pass each component of assessment

4867 Oncology Nursing I

4 points semester 1

2 hours per week as required for workshops ; 300 hours clinical practice

This subject will largely consist of field based learning within the area of Oncology Nursing, supported by workshops. Advanced clinical skill acquisition will occur based on theoretical frameworks of care so that skills are not acquired within a vacuum which does not include the patient and family in context.

assessment: 2500 word case study 50%, 30 min. viva voce exam 50%, competency assessment Pass/fail. Students must pass each component of assessment

7805 Oncology Nursing II

4 points semester 2

2 hours per week as required for workshops; 300 hours clinical practice

This subject will build on student's previous learning in Oncology Nursing I. It will focus on advanced clinical skill acquisition, based on theoretical frameworks of care through field based learning within the area of Oncology Nursing.

assessment: 2500 word case study 50%, 30 min. viva voce exam 50%, competency assessment Pass/fail. Students must pass each component of assessment

7331 Orthopaedic Nursing I

4 points semester 1

2 hours per week

This subject will largely consist of field based learning within the area of Orthopaedic Nursing. Advanced clinical skills acquisition will occur based on theoretical frameworks of care within the area of Orthopaedic Nursing.

assessment: case study and presentation equivalent to 2500 words 50%, 30 min viva voce exam 50%, competency assessment Pass/fail. Students must pass each component of assessment

3704 Orthopaedic Nursing II

4 points semester 2
2 hours per week

This subject will build on the student's previous learning in Orthopaedic Nursing 1. It will focus on further advanced clinical skills acquisition based on theoretical frameworks of care through field based learning within the area of Orthopaedic Nursing.

assessment: case study and presentation equivalent to 2500 words 50%, 30 min viva voce exam 50%, competency assessment Pass/fail. Students must pass each component of assessment

4601 Peri-Operative Nursing I

4 points semester 1
2 hours per week as required for workshops; 300 hours clinical practice.

This subject will largely consist of field based learning within the area of Peri-Operative Nursing, supported by workshops. Advanced clinical skill acquisition will occur based on theoretical frameworks of care so that skills are not acquired within a vacuum which does not include the patient and family in context.

assessment: 2500 word case study 50%, 30 min. viva voce exam 50%, competency assessment Pass/fail. Students must pass each component of assessment

5665 Peri-Operative Nursing II

4 points
2 hours per week as required for workshops; 300 hours clinical practice.

This subject will build on student's previous learning in Peri-Operative Nursing I. It will focus on advanced clinical skill acquisition, based on theoretical frameworks of care through field based learning within the area of Peri-Operative Nursing.

assessment: 2500 word case study 50%, 30 min. viva voce exam 50%, competency assessment Pass/fail. Students must pass each component of assessment

4672 Prevention in Practice

Conducted by the Department of Public Health
3 points
2 hours per week

This subject critically examines the design, implementation, and evaluation of disease prevention and health promotion programs. The international, national and state approaches to promoting health are discussed together with key concepts that relate to specific applied programs. Case studies of health promotion programs are referred to throughout the course and students will have the opportunity to develop and present their own health promotion case study.

2389 Prevention Principles

Conducted by the Department of Public Health
1.5 points
1 hour per week for 13 weeks

In this subject we will examine several key concepts that are commonly used in health promotion. The subject begins with the historical background of the health promotion movement and the establishment of the Ottawa Charter for health promotion (1986). The ethics of health promotion research and practice, and the critical analysis of various approaches to disease prevention and health promotion are considered in some detail. In particular, behavioural and structural approaches to promoting health are discussed. Some of the epidemiological rationale for priorities for prevention is considered. Critical analysis of health communication is introduced. Also, the use of health education and the concept of risk are discussed in relation to programs designed for the prevention of blood borne communicable diseases

7448 Recovery Nursing I

4 points semester 1
2 hours per week as required for workshops; 300 hours clinical practice.

This subject will largely consist of field based learning within the area of Recovery Nursing, supported by workshops. Advanced clinical skill acquisition will occur based on theoretical frameworks of care so that skills are not acquired within a vacuum which does not include the patient and family in context.

assessment: case study 50%, 30 min. viva voce exam 50%, competency log book Pass/fail. Students must pass each component of assessment

5162 Recovery Nursing II

4 points semester 2
2 hours per week as required for workshops; plus 300 hours clinical practice.

This subject will build on student's previous learning in Anaesthetic Nursing I. It will focus on advanced clinical skill acquisition, based on theoretical frameworks of care through field based learning within the area of Anaesthetic Nursing or Recovery nursing.

assessment: 2500 word case study presentation 50%; 30 min. viva voce exam 50%; competency assessment/log book Pass/fail. Students must pass each component of assessment

1723 Reflective Practice in Primary Health Care

4 points semester 1
3 hours per week

This subject will examine the epidemiology of mental illness; the promotion of mental health; the principles of primary health care; and strategies for the promotion and maintenance of mental health in communities.

assessment: 1000 word mid - term assignment 30%, 4000 word assignment 70%

8552 Rehabilitation Nursing

6 points semester 1
48 hours delivered as six study days

This subject will examine nursing and medical science in relation to the process, principles and practice of rehabilitation nursing. Topics will include anatomy and physiology of disability; the development of rehabilitation as a specialist area of practice; the role of the multidisciplinary team; principles of rehabilitation nursing; and the teaching/learning process in patient education.

assessment: 1500 word mid term assignment 20%, tutorial presentation (equivalent to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%. Students must pass each component of assessment

6389 Stomal Therapy

6 points semester 1
4 hours per week for 13 weeks plus field placements.

This subject will examine nursing and medical science in relation to the indications for the creation of a stoma, the principles of stomal therapy and the physical and psycho-social needs of those with a stoma. Topics will include anatomy, physiology, psychosocial care,

stomal management and the teaching/learning process in patient education. Students will be required to participate in field experience.

assessment: 1500 word mid term assignment 20%, tutorial presentation (equivalent to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%. Students must pass each component of assessment

8176 Surgical Nursing I

4 points semester 1
2 hours per week

This subject will largely consist of field based learning within the area of Surgical nursing. Advanced clinical skills acquisition will occur based on theoretical frameworks of care within the area of Surgical nursing.

assessment: 2500 word case study 50%, 30 min. viva voce exam 50%, competency assessment Pass/fail. Students must pass each component of assessment

9690 Surgical Nursing II

4 points semester 2
2 hours per week

This subject will build on the student's previous learning in Surgical Nursing I. It will focus on further advanced clinical skills acquisition based on theoretical frameworks of care through field based learning within the area of surgical nursing.

assessment: 2500 word case study 50%, 30 min. viva voce exam 50%, competency assessment Pass/fail. Students must pass each component of assessment

4961 The Ageing Process

4 points semester 1
39 hours of tutorials

This subject will examine the physiology, pathophysiology, sociology and psychology of ageing. Topics will include theories of ageing; biology of ageing; cognitive function and ageing; health psychology and ageing; sociological theories of ageing; women and ageing; and work, retirement and ageing.

assessment: 2500 word mid-term assignment 50%, 2 hour exam 50%

5521 Wound Management

6 points semester 1 or 2

40 hours delivered as five study days

This subject will examine nursing and medical science in relation to the management of wounds. Topics will include anatomy and physiology of the integument, wound classification, wound management, microbiology, the management of infection and the teaching/learning process in staff and patient education.

assessment: 1500 word mid term assignment 20%, tutorial presentation (equivalent to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%. Students must pass each component of assessment

Graduate Diploma in Occupational Health and Safety Management

The Graduate Diploma is part of the joint postgraduate program studies in Occupational Health and Safety Management of the University of Adelaide and the University of South Australia.

There is a Management Committee comprising two academic representatives from each university, and a student representing each course in the joint postgraduate program. This Management Committee also administers the Graduate Certificate in Occupational Health and Safety Management and the Master of Occupational Health and Safety. A Coursework Coordinator, a full-time member of the academic staff, is appointed at each university by the Management Committee.

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees may apply to this course.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Diploma in Occupational Health & Safety Management shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University, together with a minimum of two-years appropriate work experience.

1.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or the equivalent of part-time study.

3 Course requirements

3.1 To qualify for the Graduate Diploma, a candidate shall satisfactorily complete subjects to the value of 24 points, normally chosen from the following:

1321 Occupational Health & Hygiene*	3
7510 Occupational Health G*	3
6094 Occupational Hygiene and Ergonomics G*	3
1009 Occupational Safety **	3
8316 Occupational Safety & Statistics **	3

8846 OHS Management & Law I G **	3
5470 OHS Management & Law II G**	3
9428 OHSM Dissertation*	3
<i>or</i> (for students upgrading to Masters)	
8672 OHS Research Methods*	3

* Offered by the University of Adelaide

** Offered by the University of South Australia

3.2 No candidate will be permitted to count for the Graduate Diploma any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

3.3 Notwithstanding the requirements of 4.1 above the Management Committee may recommend a variation in the course subjects, under the provisions of General Course Rule 2.12.

4 Status, exemption and credit transfer

4.1 Except with the special permission of the Management Committee, no candidate will be granted status for any of the core subjects of the Graduate Diploma except candidates who have qualified for the Graduate Certificate in Occupational Health & Safety Management.

4.2 Subject to clause 5.3 and 5.4, no candidate shall be granted status for more than three subjects.

4.3 As a transitional arrangement, students who have partially completed either the Graduate Diploma in Occupational Health (the University of Adelaide), or the Graduate Diploma in Occupational Health and Safety Management (University of South Australia), prior to the introduction of the joint program, will be eligible

to apply for status in all or part of a subject, without limitation as to the number of subjects.

- 4.4 The transitional provisions specified in clause 5.3 will apply only to applicants for entry up to and including the year 2000.
- 4.5 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Management Committee concerned, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.Further, a pass will be recorded in two divisions, with a Pass Division I being higher than a Pass Division II. At least a Pass Division is required in each subject to complete this award.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

- 6.1 A candidate who has been admitted to the Graduate Certificate in Occupational Health & Safety Management and who has been granted status toward the Graduate Diploma for subjects presented for the Graduate Certificate to a value of more than 3 points must surrender the Graduate Certificate before being admitted to the Graduate Diploma.
- 6.2 A candidate seeking admission into the degree of Master of Occupational Health and Safety must normally have completed, with a grade of at least Pass Division I, all subjects in the Graduate Diploma in Occupational Health and Safety Management.
- 6.3 A candidate for the degree of Master of Occupational Health & Safety who satisfies the requirements for the Graduate Diploma but who

does not complete the requirements of the Master's degree may be admitted to the Graduate Diploma.

Syllabuses

9428 OHSM Dissertation

3 points semester 1 or 2

The dissertation is an analysis or critical study of an occupational health and safety question. It would normally be based on information collected specifically for this study, although this is not an essential requirement. The dissertation provides students with an opportunity to consider an issue or problem in detail. No minimum length is prescribed, but as a general guide a length of 10-15,000 words might be expected.

A regular series of seminars will be held, at which students will present their research plans or progress.

assessment: examination of written work.

Note: please refer to the Master of Occupational Health and Safety for other syllabus details

Graduate Diploma in Psychotherapy

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees may apply to this course.

Specific Course Rules

1 General

- 1.1 There shall be a postgraduate Graduate Diploma in Psychotherapy.

2 Admission requirements

- 2.1 A candidate for admission to the course for the diploma shall have qualified for the degrees of Bachelor of Medicine and Bachelor of Surgery or the Master of Psychotherapy (Clinical and Health) of the University, or to a corresponding degree or degrees of another university accepted for the purpose by the University.

3 Duration of course and qualification requirements

- 3.1 To qualify for the Graduate Diploma a candidate shall:
- (a) satisfactorily complete a course of part-time study extending over two years *and*
 - (b) submit evidence that subsequently to qualifying for the award of the degree or degrees referred to in 2.1 above hereof he or she has undergone in a hospital, practical clinical training in psychotherapy deemed satisfactory by the Faculty, for a period of not less than two years.

4 Assessment and examinations

- 4.1 A candidate who has twice failed to pass the examination may not enrol for the Graduate Diploma again except by special permission of the Faculty and then only under such conditions as the Faculty may prescribe.
- 4.2 For the purpose of this Specific Course Rule a candidate who is refused permission to sit for examination, or who fails, without a reason accepted by the Dean as adequate, to attend all or part of an annual examination (or supplementary examination if granted) after having enrolled for at least two terms in that year, shall be deemed to have failed to pass the examination.

5 Course of study

- 5.1 A candidate for the Graduate Diploma in Psychotherapy shall regularly attend lectures, complete such written, practical and tutorial work as may be prescribed, and pass examinations in:

6052 Clinical Syndromes, Groups and Supervision	6
1109 Theory, Technical Aspects and Supervision	6
9534 Development, Theory and Supervision	6
8266 Theory, Clinical Syndromes and Supervision	6

Syllabuses

examinations

Details of the method of examination in specific subjects may be obtained from the Department of Psychiatry. The methods will include continuous assessment of practical and written work.

The course is intended for graduates who hold a degree in Medicine or a Masters degree in Psychology or Social Work, or other appropriate qualifications.

The course is intended to provide systematic experience in a variety of treatment methods in psychotherapy, to foster a critical appraisal of indications for, limitations of, and evaluation of such treatment methods.

Candidates must be engaged in clinical practice which includes psychoanalytic psychotherapy. The course extends over 2 years of part-time study. It includes lectures and weekly group supervision of psychotherapy cases being treated by students in their clinical practice.

6052 Clinical Syndromes, Groups and Supervision

6 points semester 1

The theoretical component will include seminars on child development and the theories of Freud, Klein and others. There will be seminars on the assessment of cases for psychotherapy, and the setting of the therapeutic frame and also on the concepts of transference and counter transference.

Weekly supervision of clinical cases will be in two groups.

1109 Theory, Technical Aspects and Supervision

6 points semester 2

Further theories will be discussed including those of Winnicott, the British Middle School and Self Psychology. Technical aspects of psychotherapy to be covered will include interpretation, defence, resistance, regression.

Weekly case supervision will continue.

9534 Development, Theory and Supervision

6 points semester 1

This semester will contain the study of the psychodynamics and therapy of clinical syndromes and seminars on research and evaluation in psychotherapy.

Weekly case supervision will continue.

8266 Theory, Clinical Syndromes and Supervision

6 points semester 2

The study of clinical syndromes will continue. There will also be a discussion of ethics and an opportunity to look at some perspectives of psychodynamic theory from other fields. This semester includes seminars on psychodynamic group psychotherapy and possibly an opportunity to participate in an experiential group.

Weekly case supervision will continue.

Graduate Diploma in Public Health

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Diploma in Public Health shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

1.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

2.1 To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or the equivalent of part-time study.

3 Course requirements

3.1 To qualify for the Graduate Diploma, a candidate shall satisfactorily complete subjects to the value of 24 points, as follows:

3.2 Core subject

All candidates shall complete the following subjects:

2627	Introduction to Biostatistics	1.5
3181	Introduction to Environmental Health	1.5
6635	Introduction to Epidemiology	3
2389	Prevention Principles	1.5
1292	Public Health Policy	3
4892	Research Methods in Public Health	1.5

3.3 Elective subjects

All candidates shall complete elective subjects to the value of 12 points selected from the following:

7238	Aboriginal Health Policy	3
4286	Biostatistics	3
6100	Dental Public Health	3
8026	Epidemiological Research Methods	3
7258	Ethical Issues in Public Health	3
3945	Health Services Organisation	3
6187	Industrial Toxicology	3
1563	Occupational Health and Safety Practice	3
5672	Occupational Hygiene and Ergonomics	3
4672	Prevention in Practice	3
4041	Primary Health Care	3
1011	Public Health Biology	3
5546	Public Health Law	3
4463	Public Health Policy and the Age	3
2836	Public Health Studies	3

other subjects offered by this University or another University which the Faculty approves for presentation in lieu of elective subjects listed above up to the value of 6 points;

3.4 Candidates who wish to enrol in a subject for which they do not have the necessary preliminary knowledge or approved qualifications, may be required to undertake such bridging studies prior to the commencement of the subject as may be deemed appropriate by the Head of the Department of Community Medicine.

3.5 No candidate will be permitted to count for the Graduate Diploma any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

4.1 Except with the special permission of the Head of the Department of Community Medicine, no candidate will be granted status for any of the core subjects of the Graduate Diploma.

4.2 No candidate shall be granted status for subjects with a total value of more than 12 points.

- 4.3 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

- 6.1 A candidate for the degree of Master of Public Health who satisfies the requirements for the Graduate Diploma but who does not complete the requirements of the degree may be admitted to the Graduate Diploma.

Syllabuses

See Master of Public Health for syllabus details

Master of Clinical Science

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course for the Master of Clinical Science shall:

- (a) have qualified for the degrees of Bachelor of Medicine and Bachelor of Surgery of the University or degrees of another institution accepted by the Faculty the purposes as equivalent *or*
- (b) have qualified for a degree of Bachelor of Nursing of a university accepted for the purposes by the University.

2 Duration of course and qualification requirements

2.1 To qualify for the degree a candidate shall:

- (a) undertake a program of research for a period of not less than one year and not more than two years from the date of his/her candidature in the case of a full-time candidate, or four years in the case of a part-time candidate;
- (b) submit a satisfactory dissertation thereon.

3 General

3.1 The Faculty will appoint a supervisor to guide the candidate in his or her work.

3.2 The candidate shall lodge with the Registrar three copies of his or her dissertation which shall be prepared in accordance with directions given to candidates from time to time. Refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume.

3.3 On submission or re-submission of the dissertation the Faculty shall nominate examiners who may recommend that it:

- (a) be accepted, with or without conditions
or
- (b) be accepted, with or without conditions, subject to satisfactory oral examinations
or
- (c) be sent back to the candidate for revision;
or
- (d) be rejected.

3.4 A candidate who fulfils the requirements of these Specific Course Rules may, on the recommendation of the Faculty, be admitted to the degree of Master of Clinical Science.

4 Review of academic progress

4.1 A candidate's progress shall be reviewed by the Faculty annually. If in the opinion of the Faculty of Medicine a candidate is not making satisfactory progress the Faculty may, with the consent of the Council, withdraw its approval of his/her candidature and the candidate shall cease to be enrolled for the degree.

Syllabuses

See under Master of Public Health for syllabus details

Master of Medical Science

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 The Faculty of Medicine may accept as a candidate for the degree a person who has qualified for:
- the degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Adelaide; or
 - the Honours degree of Bachelor of Medical Science or Bachelor of Health Sciences or Bachelor of Science or Bachelor of Science in Dentistry of the University of Adelaide, at First or Second Class standard; or
 - a degree of another institution accepted for the purpose by the University.
- 1.2 Subject to the approval of the Board of Graduate Studies and subject to such conditions as it may see fit to impose in each case, the Faculty may accept as a candidate for the degree a person who does not meet the requirements specified in 1.1 above, if it is satisfied of the person's fitness to undertake work for the degree.

2 Duration of course

- 2.1 Every candidate shall undertake an approved program of study and research, and shall submit a thesis embodying the results of that study and research, and may submit also, in support of the thesis, other relevant material.
- 2.2 A candidate shall proceed to the degree by full-time study or, provided that the Faculty is satisfied that the candidate has adequate time to pursue supervised research under the control of the University, by part-time study.
- 2.3 Except in circumstances approved by the Faculty, the work for the degree shall be completed and the thesis submitted:
- in not less than one year nor more than two years of full-time study;
 - in not less than two years and not more than four years of part-time study.

3 General

- 3.1 The Faculty shall appoint one or more supervisors to guide the candidate's research.
- 3.2 On completion of the thesis the candidate shall lodge with the Registrar three copies of the thesis prepared in accordance with directions given to candidates from time to time.
- 3.3 The Faculty shall appoint two examiners of the thesis, at least one of whom shall be external to the University.

4 Review of academic progress

- 4.1 The Faculty may review the progress of a candidate at any time and if the candidate's progress is unsatisfactory, the Faculty may, with the consent of the Council, terminate the candidature.

Master of Nursing Science

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course for the Master of Nursing Science shall:

- (a) have qualified for a Bachelor of Nursing of a university accepted for the purposes by the University *or* have at least two years post registration experience as a registered nurse *and*
- (b) be registered, or be eligible for registration, as a nurse in South Australia
- (c) have obtained the approval of the Department of Clinical Nursing.

1.2 Subject to the approval of Council, the Faculty may in special cases and subject to such conditions (if any) as it may seem fit to impose in each case, accept as a candidate for the Master of Nursing Science, a person who does not qualify for admission to the course under (1.1) above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the Master of Nursing Science.

2 Duration of course

2.1 To qualify for the Master of Nursing Science a candidate shall satisfactorily complete a course of full time study extending over at least two years *or* a course of part time study extending over at least four years.

3 Assessment and examinations

3.1 There shall be four classes of pass in each subject for the Master of Nursing Science: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (a) A candidate who fails to pass in the subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Registrar for such exemption.

(b) A candidate who has twice failed the examination in any subject or division of a subject may not enrol for the subject again except by special permission to be obtained in writing from the Registrar and then only under such conditions as may be prescribed.

(c) For the purpose of this Rule a candidate who is refused permission to sit for examination, or who, without a reason accepted by the Head of the Department of Clinical Nursing as adequate, fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least 9 teaching weeks that semester, shall be deemed to have failed the examination.

4 Course of study

4.1 Unless exempted therefrom by the Faculty every candidate for the Master of Nursing Science shall:

(a) satisfactorily complete the Stage I requirements by qualifying for the award of the Graduate Diploma in Nursing Science or a Graduate Diploma in a nursing specialty offered by the Department of Clinical Nursing

or

a course of study to the value of 24 points, approved by the Department of Clinical Nursing, selected from a range of subjects offered by the Department.

(b) satisfactorily complete the following Stage II subjects to the value of 24 points:

2500 Empirical/Analytical Research in Nursing	3
5139 Interpretative and Critical Research in Nursing	3
1239 International Issues in Nursing Service Delivery	3
5148 The Emergence of a Theoretical Base for Nursing	3
7293 Research Dissertation	12

Syllabuses

To complete Stage II students enrolled in this course either full-time or part-time will be required to complete four Stage II subjects, each of three credit points and prepare and submit a satisfactory research based dissertation to the value of 12 credit points.

2500 Empirical/Analytical Research in Nursing

3 points semester 1
2 hours per week

This subject will build on student's previous learning on the empirico/analytical paradigm and focus on research design from this perspective. Topics will include experimental and quasi-experimental design; surveys; developing hypotheses; sampling; approaches to data collection; reliability and validity. Students will also be introduced to published nursing research reports which utilise this perspective and will be required to subject these to rigorous critique.

assessment: 2000 word assignment critiquing published research report 30%, 4000 word draft research proposal 35%, worksheets 35%

5139 Interpretative and Critical Research in Nursing

3 points semester 1
2 hours per week

This subject will build on student's previous learning on the interpretative and critical paradigms and focus on research design from this perspective. Topics will include the critique of positivism; introduction to interpretative methodologies (grounded theory, ethnography, phenomenology etc), introduction to critical methodologies (feminist methodology, action research etc), and introduction to post structuralist and post modernist thought. Students will also be introduced to published nursing research reports which utilise these perspectives and will be required to subject these to rigorous critique.

assessment: 2000 word essay 30%, class paper 20%, research proposal 50%

1239 International Issues in Nursing Service Delivery

3 points semester 1
2 hours per week

This subject examines contemporary issues and debate related to service delivery in nursing, with a focus on rationalised health care. Students will explore political and economic influences on international health. Topics may include primary health care and the WHO *Health for All* declaration; extension and expansion of the nursing role; specialisation versus genericism; the changing role of hospitals in western and non-western societies; visioning new nursing roles for the future and contemporary approaches in western health systems to professionalism, cost containment, continuous quality improvement, customer focus and case mix.

assessment: mid - term individual class presentation assignment 30%, 2000 word essay 70%

5148 The Emergence of a Theoretical Base for Nursing

3 points semester 1
2 hours per week

This subject will build on student's previous learning on nursing theory and will critique current discourses in nursing on theory development. Approaches to understanding practice in nursing will be discussed and the role of personal theory, local theory and theory in action will be explored. Students' will engage in the process of concept clarification and will be expected to contribute to small group discussion and debate on emerging theories in nursing and on the utility of extant nursing theory in developing nursing practice and on the development of a substantive base for nursing science.

assessment: 2000 word mid term assignment 30%, 1500 word class paper 20%, 3000 word essay 50%

7293 Research Dissertation

12 points semester 2
3 hour dissertation workshop. Individual supervision.

This component of the course requires the student to identify a research question or problem; to carry out a small research study based on this question; and to submit a fully developed report.

assessment: 20,000-30,000 word dissertation

Master of Occupational Health and Safety

The degree is part of the joint postgraduate program of studies in Occupational Health and Safety Management of the University of Adelaide and the University of South Australia.

There is a Management Committee comprising two academic representatives from each university and a student representing each course in the joint postgraduate program. This Management Committee also administers the Graduate Certificate and Graduate Diploma in Occupational Health and Safety Management. A Coursework Coordinator, a full-time member of the academic staff, is appointed at each university by the Management Committee.

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees may apply to this course.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the degree of Master of Occupational Health & Safety shall

- (a) have qualified for an Honours degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to an Honours degree of the University; or
- (b) have qualified for a Graduate Diploma in Occupational Health and Safety Management with a minimum grade of at least Pass Division 1 in all subjects; or
- (c) have qualified for an Ordinary degree of the University in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years' relevant practical experience.

1.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Duration of course

To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising four semesters of full-time study or the equivalent of part-time study..

3 Course requirements

To qualify for the degree, a candidate shall satisfactorily complete subjects to the value of 48 points, as follows:

3.1 Compulsory subjects

All candidates shall complete the following compulsory subjects:

1321 Occupational Health and Hygiene*	3
7510 Occupational Health G*	3
6094 Occupational Hygiene and Ergonomics G*	3
1009 Occupational Safety **	3
8316 Occupational Safety & Statistics **	3
8846 OHS Management & Law I G **	3
5470 OHS Management & Law II G**	3
8672 OHS Research Methods*	3

3.2 Elective subjects

All candidates shall complete elective subjects to the value of 12 points normally selected from the following:

8852 Advanced Ergonomics **	3
4742 Advanced Occupational Hygiene*	3
1470 Advanced OHS Management	3
3215 Occupational & Environmental Health Studies I =	3
4859 Occupational & Environmental Health Studies II =	3
8758 Occupational Epidemiology*	3
4090 Occupational Medicine*	3
6529 Occupational Toxicology*	3
4126 Safety Engineering **	3

* Offered by the University of Adelaide

** Offered by the the University of South Australia

= Approved electives may be considered in related fields offered by the University of Adelaide or the University of South Australia

3.3 Research Project

All candidates shall complete the following subject:

4676 OHS Research Thesis * 12

* Offered by the University of Adelaide or the University of South Australia

4 Status, exemption and credit transfer

4.1 Except with the special permission of the Management Committee, no candidate will be granted status for any of the core subjects of the degree except candidates who have qualified for the Graduate Diploma or Graduate Certificate in Occupational Health & Safety Management.

4.2 No candidate shall be granted status for subjects with a total value of more than 12 points, subject to the following clause.

4.3 Candidates who have completed the Graduate Diploma in Occupational Health and Safety Management at the University of South Australia or the Graduate Diploma in Occupational Health at this University, or an equivalent award from another institution, may be granted exemption from the core subjects if in the opinion of the Faculty their studies are equivalent to the admissions requirements set out in Rule 1.1.b.

4.4 No candidate will be permitted to count for the degree any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4.5 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Management Committee concerned, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

5.1 There shall be four classifications of pass in any subject for the degree: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass. Further, a pass will be recorded in two divisions with a Pass Division I being higher than a Pass Division II. To complete this award a candidate normally will be required to obtain at least a Pass Division I in each of the compulsory subjects and at least a Pass Division II in each of the elective subjects.

5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

6.1 A candidate who has been admitted to the Master of Occupational Health and Safety and who has been granted status toward the degree for subjects presented for the Graduate Diploma to a value of more than 6 points must surrender the Graduate Diploma before being admitted to the degree.

6.2 A candidate for the degree of Master of Occupational Health & Safety who satisfies the requirements for the Graduate Diploma but who does not complete the requirements of the Master's degree may be admitted to the Graduate Diploma.

6.3 An applicant seeking admission into the degree of Master of Occupational Health & Safety must normally have completed all subjects in the Graduate Diploma in Occupational Health & Safety Management with a minimum grade of Pass Division 1.

Syllabuses

compulsory subjects

1321 Occupational Health and Hygiene

3 points semester 2

24 lectures, 12 tutorials, worksite visits

Identification of hazards and evaluation and control of risk in selected industries; biological monitoring and health surveillance; ethical issues.

assessment: oral presentation 20%, written assignment 40%, written exam 40%

7510 Occupational Health G

3 points semester 1

24 lectures, 12 tutorials, worksite visits

A broad introduction to the ways in which various workplace hazards - mechanical, biomechanical, physical, chemical, biological and radioactive - can cause injury and disease. Students will prepare presentations using examples of particular hazards.

assessment: oral presentation 20%, written assignment 40%, written exam 40%

6094 Occupational Hygiene and Ergonomics G

3 points semester 2

24 lectures, 12 tutorials, worksite visits

This subject provides an introduction to workplace assessment. It deals with the identification, evaluation and control of a range of physical, chemical, biomechanical and psychological hazards. Topics will include noise, radiation, thermal comfort, lighting, engineering controls and personal protective measures.

Consideration will be given to information processing, human-machine interaction, manual handling and the implementation of ergonomic strategies. Basic toxicological principles will also be covered.

assessment: written exam 30%, written assignments, exercises, oral presentation 70%

1009 Occupational Safety

3 points semester 1

2 lectures, 1 tutorial per week; worksite visits

For each of the specific hazards of fire and explosion, dangerous goods, electricity and confined spaces the following will be covered: basic concepts - definitions, terminology, nature of hazards; relevant legislation and standards; prevention and control measures; emergency

planning and response. Specific high industry cases studies (including mining, construction, farming)

assessment: 4 minor projects 40%, major project 40%, written assignment 20%

8316 Occupational Safety & Statistics

3 points semester 2

2 lectures, 1 tutorial per week; worksite visit

prerequisites: 7510 Occupational Health G; 8846 OHS Management and Law IG

Historical and contemporary models of accident and injury causation; the nature of safety hazards and the concept of damaging energy exchange; injury investigation; risk analysis and control; injury reporting; recording and data analysis for prevention.

assessment: 2 minor projects 40%; Major project 40%; written assignment 20%

8846 OHS Management and Law IG

3 points semester 1

2 lectures, 1 tutorial per week; worksite visit

Historical perspective on socio-legal issues in occupational health and safety; the British factory legislation; Robens Report and other key influences. The Constitutional, common law, statute law and administrative framework for OH&S. Introduction to injury causation; hazard identification, risk assessment and control. Principles and systems for OH&S management.

assessment: class presentations 15%, project and report 35%, 2 written assignments 50%

5470 OHS Management and Law IIG

3 points semester 1

2 lectures, 1 tutorial per week; worksite visit

co/prerequisite: 8846 OHS Management and Law IG

OH&S and relevant employment relations legislation - content and interpretation. Legal relationships in OH&S - employer/employee; principal/contractor; supplier/purchaser etc. The enforcement pyramid and legal proceedings. OH&S management systems - elements and their implementation. International and Australian quality standards and their nexus with OH&S.

assessment: class presentations 15%, project and report 35%, written assignments 50%

8672 OHS Research Methods

3 points semester 2

Lecture, 1 tutorial per week

restrictions: normally available only to students intending to enrol/enrolled in Master of Occupational Health and Safety

This subject aims to give an introduction to research methods in OHS, focusing on the application of epidemiology and biostatistics. At the completion of the subject the student should be able to understand the applicability of epidemiology to occupational health; grasp basic concepts; have a basic understanding of research strategies and be able to identify the appropriate research designs for a particular research question; and be able to appraise critically the occupational health literature which uses epidemiological techniques.

assessment: tutorial work 40%, written exams 60%

elective subjects

8852 Advanced Ergonomics

3 points semester 1 or 2

2 lectures, 1 tutorial per week, worksite visits

prerequisites: 6094 Occupational Hygiene and Ergonomics G

Application of human physiological considerations in ergonomic assessments; identification of ergonomic factors in complex systems; formulation of ergonomic objectives and strategies; implementation of strategies to achieve best practice in ergonomic design of work environments, plant, equipment and processes.

assessment: project and report 60%, written assignment 40%

4742 Advanced Occupational Hygiene

3 points semester 1 or 2

15 lectures, 10 tutorials, 9 practicals, 5 worksite visits

prerequisites: 6094 Occupational Hygiene and Ergonomics G; 1321 Occupational Health and Hygiene or equivalent

This elective subject deals with advanced topics in the areas of hazard evaluation and control. There will be practical coverage of industrial ventilation, confined space operations, noise propagation and control, chemical exposure measurement and laboratory analytical methods. The subject includes field visits to illustrate environmental monitoring and control technologies.

assessment: exercises 30%, practicals 20%, written and oral presentation 50%

1470 Advanced OHS Management

3 points semester 1 or 2

Lecture, 1 tutorial per week

prerequisites: 8846 OHS Management and Law IG; 5470 OHS Management and Law IIG

Identification of symptoms of malfunction in OHS systems; formulating change objectives and strategies for change; structural and behavioural implications in achieving change; implementing and monitoring an OHS change strategy; the nexus with OHS management, quality and productivity initiatives in program implementation.

assessment: written assignments 40%, practical project 60%

3215 Occupational and Environmental Health Studies I

3 points semester 1 or 2

Contact hours to be advised

This subject is an agreed program of study, negotiated between the student and the MOHS course coordinator. A variety of subjects may be considered from the fields of occupational, environmental or public health subjects, offered at either the University of Adelaide or the University of South Australia (including the two-week intensive National Short Course in Environmental Health).

assessment: to be advised

4859 Occupational and Environmental Health Studies II

3 points semester 1 or 2

As for 3215 above, excluding the National Short Course in Environmental Health.

8758 Occupational Epidemiology

3 points semester 1 or 2

Lecture, 1 tutorial per week

Conceptual and practical issues in the design of epidemiological research, with a view to enabling students to make a critical evaluation of epidemiological literature in the occupational health field. Particular topics will include causal inference, study design, sampling strategies, measures of effect, problems of defining exposure, sources of bias, interpretation of negative studies, strengths and limitations of meta-analyses, screening, and principles of data analysis. There will be extensive consideration of studies taken from the epidemiological literature.

assessment: 2 written assignments 30% each, written exam 40%

4090 Occupational Medicine

3 points semester 1 or 2

Lecture, 1 tutorial per week

Recognition, management and prevention of common and important occupational diseases – respiratory disease, dermatoses, infective disorders, psychological disorders, musculoskeletal disorders, occupational cancer. Biological monitoring and health surveillance, fitness to work, ethical considerations.

assessment: oral presentations 40%, written case study 20%, written examination 40%

6529 Occupational Toxicology

3 points semester 1 or 2

18 lectures, 8 tutorials

This subject will review concepts in chemical toxicology which constitute a rational basis for the setting of chemical exposure standards. It will include an overview of the principles of toxicology, toxicity testing and risk assessment. Examples will be drawn from typical industrial exposure situations.

assessment: written exam 50%, written assignments, exercises and oral presentation 50%

4126 Safety Engineering

3 points semester 1 or 2

Lecture, 1 tutorial per week

prerequisite: 1109 Occupational Safety; 8316 Occupational Safety and Statistics

Identification of safety hazards within complex systems; system failures and interactions; analysis of risks - specific techniques including MORT; fault tree; HAZOP; Reliabilities Engineering; risk control - the integrity of emergency control systems; control of specific risks.

assessment: assignments 40%, practical project 60%

thesis

4676 OHS Research Thesis

12 points

semester 1 or 2

Lectures

prerequisite: 8672 OHS Research Methods

The thesis should constitute a piece of original research, aiming to test a hypothesis, or to analyse a proposition or concept. This may entail collection of original information, or fresh examination of information collected previously for some other purpose. It should include a thorough literature review, an appropriate methodology, and display a critical approach to the topic. The implications for future research and/or OHS policy should be discussed. A regular series of seminars will be held, at which students will present their research plans and/or progress.

assessment: written work - there will be two examiners, at least one of whom shall be external to the University

Master of Psychology (Clinical)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees may apply to this course.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the degree of Master of Psychology (Clinical) shall have qualified for an Honours degree of Bachelor, with Honours in Psychology, of the University of Adelaide or for an Honours degree of another institution accepted for the purpose by the University.
- 1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a student for the Master's degree a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Master's degree.

2 Status, exemption and credit transfer

- 2.1 The School of Medicine may grant such status for other studies undertaken in the University or other institutions in any subject as it may determine up to a maximum of 7.5 points, provided that any such subject has not been presented for another degree.
- 2.2 Except by the special permission of the Head of the Department of Psychology, no student may gain status for the subject 1681 Research Project in Clinical Psychology for other studies undertaken in the University or other institutions.

3 Duration of course

- 3.1 Except with the permission of the Faculty, the subjects of study and the dissertation shall be completed in not more than two years of full-time study or four years of part-time study.
- 3.2 A student whose work on the dissertation is interrupted for a reason acceptable to the Dean may be granted an intermission of candidature by the Dean on behalf of the Faculty. If such an application is approved the maximum period specified in clause 4.1 will be adjusted accordingly by adding the length of the intermission.

4 Qualification requirements

- 4.1 Unless exempted therefrom by the Faculty all students will satisfactorily complete Compulsory Subjects to the value of 27 points, Three eighteen-week periods (of 5 half-days per week or equivalent) of placement in different institutions or organisations offering psychological services approved by the Head of the Department of Psychology, and a Research Dissertation.
- 4.2 In the normal pattern of study, students enrolled on a full-time basis will complete the subjects 7641, 5881, 6328, 6335, 6382, 9645 and 9842 in the first year together with one placement, and the subjects 2537, 3179 and 6509 together with two more placements in the second year. The research project for the dissertation may be commenced in December of the first year or early in the second year; students may wish to consider linking the project to one of the placements.

5 Course of study/Subjects of study

Unless exempted therefrom by the Faculty of Medicine, every student for the degree shall satisfactorily complete the following three components:

5.1 Compulsory subjects

All students shall complete the following compulsory subjects:

6335 Adult Clinical Psychology	5
9842 Applied Methodology (M)	2.5
9645 Child Clinical Psychology	2.5
6509 Clinical Neuropsychology	2.5
7641 Group Interventions and Preventive Education	2.5
6328 Health Psychology	2.5
5881 Preparation for Psychological Practice	2
6382 Psychological Assessment	2.5
2537 Psychological and Health Aspects of Ageing	2.5
3179 Rehabilitation and Disabilities	2.5

5.2 Three placements, as follows:

5623	Placement I	4
7221	Placement II (M)	4
3481	Placement III (M)	4

5.3 Research Project

1681	Research Project in Clinical Psychology	9
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6 Review of academic progress

- 6.1** A student who fails a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe.
- 6.2** A student who has twice failed a subject may not enrol for that subject again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.
- Attendance is required for at least 80% of the sessions in any compulsory subject. A student who fails this requirement will not be eligible for examination unless there are extenuating circumstances.
- 6.3** For the purposes of this clause a student who is refused permission to be assessed, by examination or otherwise, or who does not, without a reason accepted by the Head of the Department of Psychology as adequate, attend all or part of a final examination (or supplementary examination if granted) after having enrolled for at least two thirds of the normal period during which the subject is taught, shall be deemed to have failed the subject.
- 6.4** If in the opinion of the School of Medicine a student for the degree is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature and the student shall cease to be enrolled for the degree.

7 Assessment and examinations

- 7.1** There shall be one of two systems of classification of pass in individual subjects for the Master's degree: either Satisfactory; or Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.
- 7.2** On completion of the Research Project the student shall lodge with the Department three copies of the dissertation prepared in accordance with directions given to students from time to time. No dissertation or material presented for any other degree within this or any other institution shall be submitted.

- 7.3** Two examiners of the Research Project will be appointed by the Head of Department. One examiner will normally be internal to the Department but not the student's supervisor. The second examiner will have appropriate experience and will normally be external to the University.

Syllabuses

The course is designed to run in two-year cycles, with most of the compulsory subjects to be offered in the first year of the cycle. The compulsory subject 6335 Adult Clinical Psychology involves a series of weekly three hour sessions of formal class contact for twenty-four weeks. The other compulsory subjects each involve a series of weekly three hour sessions of formal class contact for twelve weeks in one semester. The formal sessions of class contact, in addition to material presented by lecture, may include activities such as practical exercises, demonstrations, and tutorial discussion.

prerequisites

Except where specified below, there are no prerequisites for any subject other than those required for entry to the course.

quota

Currently 8 FTE students for the complete M.Psych.(Clin.) course.

textbooks

Detailed reading lists are provided with the syllabus entries in the course handbook available from the Department at enrolment.

assessment

The assessment for each subject is given in the specific subject entries below; these may include essays, practical exercises, case reports, or a blend of these.

6335 Adult Clinical Psychology

5 points

3-hour session per week, practical work in student's own time

restrictions: 5261 Abnormal Psychology (M)

This subject applies the methodologies of experimental clinical psychology to the understanding, assessment and modification of emotional and behavioural problems of adults. On completion, the student should be able to critically evaluate models and methods of psychological intervention, and should have an understanding of ethical issues surrounding assessment and modification of problem behaviours in adults.

assessment: two written papers

9842 Applied Methodology (M)

2.5 points

3-hour session per week

restriction: 1286 Applied Methodology

The subject is aligned with the research component of training and builds on the knowledge and skills already gained. The acquisition and analysis of both numerical and verbal data are included. Topics are: multiple regression and causal models; general structural equation models; surveys and questionnaires; sampling; program evaluation; single-case studies; meta-analysis; and discourse analysis.

assessment: three assignments

9645 Child Clinical Psychology

2.5 points

3-hour session per week

restriction: 8769 Child Development

This subject aims to provide theoretical knowledge and practical experience in child clinical psychology. The focus is on the assessment, treatment and conceptualisation of problems of children and adolescence with particular reference to risk factors in development, effects of the family context on children, behavioural and emotional problems in children, chronic illness and disability, health behaviours and adolescent lifestyle factors.

assessment: two assignments

6509 Clinical Neuropsychology

2.5 points

3-hour session per week

prerequisites: first year of Master of Psychology

This subject will introduce students to the field of clinical neuropsychology with a particular emphasis on assessment. It will examine: the field of interest, the main purposes of neuropsychological assessment, the underlying assumptions in this field, the areas of cognitive functioning that are of interest to neuropsychologists, the behavioural geography of the brain, the neuropathology of brain damage, the notion of deficit measurement, and neuropsychological examination procedures. Moreover, it will introduce students to some of the main methods by which cognitive skills such as orientation, attention, memory language, construction, reasoning, executive functions, and motor skills are assessed. Students will be introduced to these assessment procedures in the

context of disorders which are characterised by deficits in these areas. Case studies will be used to illustrate the cognitive deficits associated with each of these different disorders and to develop students' skills in interpreting neuropsychological test data.

assessment: critical review of a commonly used neuropsychological test; write-up of neuropsychological report for a single patient

7641 Group Interventions and Preventive Education

2.5 points

3-hour session per week

restriction: 1937 Health and Community Psychology; 9740 Health and Community Psychology (M)

This subject changes the focus away from interactions between individual psychologists and clients, towards two different and related extensions of that model. Thus it examines both (a) the delivery of therapeutic interventions to groups of clients by one or two psychologists, and (b) psychological knowledge relevant to educating the public, promoting health and well-being and thus, to primary prevention of difficulties and disorders.

Content will include group dynamics (of both client groups and multidisciplinary teams), group-based behavioural psychotherapy, models of attitude change and behavioural influence, educative media campaigns, and the evaluation of all of these.

assessment: two written papers

3372 Health Psychology

2.5 points

3-hour session per week

restriction: 1937 Health and Community Psychology; 9740 Health and Community Psychology (M)

This subject examines the relationships of social, behavioural and cognitive variables to health. It covers those aspects of the social environment which influence health and illness outcomes including interactions between health care, consumers and providers. Risk factors for health compromising behaviours are also covered including strategies for their modification.

assessment: two written papers

5623 Placement I

4 points

18 hours per week

prerequisite: 5881 Preparation for Psychological Practice

Placements are arranged within approved agencies in South Australia which will reflect the requirements of the SA Psychological Board and the College of Clinical Psychology. Students will be required to gain a broad experience of clinical psychology in such areas as the psychological management of children, adults, and the rehabilitation of psychiatric, and developmentally delayed persons.

assessment: contract agreed to by placement supervisor, student and university placement supervisor

7221 Placement II (M)

4 points

18.5 hours per week

prerequisites: 5881 Preparation for Psychological Practice; 6382 Psychological Assessment

Placements are arranged within approved agencies in South Australia which will reflect the requirements of the SA Psychological Board and the College of Clinical Psychology. Students will be required to gain a broad experience of clinical psychology in such areas as the psychological management of children, adults, and the rehabilitation of psychiatric, and developmentally delayed persons.

assessment: contract agreed to by placement supervisor, student and university placement supervisor

3481 Placement III (M)

4 points

18.5 hours per week

prerequisites: 5881 Preparation for Psychological Practice; 6382 Psychological Assessment

Placements are arranged within approved agencies in South Australia which will reflect the requirements of the SA Psychological Board and the College of Clinical Psychology. Students will be required to gain a broad experience of clinical psychology in such areas as the psychological management of children, adults, and the rehabilitation of psychiatric, and developmentally delayed persons.

assessment: contract agreed to by placement supervisor, student and university placement supervisor

5881 Preparation for Psychological Practice

2 points

3 hours per week

This subject includes instruction and practice in basic interviewing and counselling skills. It also covers issues of relevance to professional practice such as professional ethics, requirements and responsibilities of psychologists, professional registration requirements. Models of psychological practice in relation to social contexts will also be covered.

assessment: written assignment relevant to material covered in the subject

2537 Psychological and Health Aspects of Ageing

2.5 points

semester 1

3 hours per week

This subject focuses on the psychological and health aspects of ageing. The aim is to introduce students to the field of clinical gerontology with particular emphasis being placed on the processes of normal ageing, and the assessment and treatment of various disorders and conditions of clinical concern. The first segment of the course will examine normal/healthy ageing and will consider such topics as physical and cognitive changes, relationships and sexuality in the elderly and cross-cultural aspects of ageing. The second segment will provide an overview of a number of areas that are of clinical concern and will introduce students to appropriate methods of assessment. Topics covered will include the dementias, mood disorders and anxiety disorders. The third segment will examine intervention strategies and will cover such topics as family interventions, cognitive behaviour therapy in the elderly, the treatment of behavioural disorders associated with dementia, and cross-cultural aspects of assessment and interventions.

assessment: two assignments

6382 Psychological Assessment (M)

2.5 points

3-hours per week

This single semester subject aims to introduce students to the principles of assessment by focusing on a small number of widely used norm-referenced tests of abilities. On completion, students should: have practised giving tests to infants, children and adults; be able to score the tests covered and draw inferences from the results; be able to write a report of professional standard.

assessment: three assignments based on practical exercises

3179 Rehabilitation and Disability (M)

2.5 points

semester 2

3 hours per week

restriction: 3371 Rehabilitation Psychology

This subject is designed to provide an overview of general principles and practice in rehabilitation. It is also designed to provide information on current issues in the rehabilitation of various types of disabilities.

Topics will include rehabilitation history and concepts, the psychological aspects of different types of disability and social problems, including cognitive, physical and personality aspect of handicapping conditions; the use of generic services; assessment, training and behaviour management principles and practice, including the use of individual rehabilitation plans, maintenance and generalisation of skills, staff training and programme evaluation.

On completion of the subject, the student should be able to: demonstrate a basic understanding of the major principles of rehabilitation; describe the basic types of disabilities and their implications for rehabilitation; demonstrate knowledge of the basic practices of rehabilitation such as assessment, training, behaviour change and evaluation; demonstrate and understanding of current issues in the rehabilitation of different types of disabilities.

assessment: assessment and training exercises; group projects which will require students to write an account of current issues in one particular type of disability considered in the course

1681 Research Project in Clinical Psychology

9 points

full year

contact hours to be arranged with supervisor

prerequisites: 9842 Applied Methodology; first year of Master of Psychology

content: an empirically-based research project on a topic of relevance to clinical and/or health psychology to be pursued under the control of the Psychology Department and under the guidance of one or more supervisors (at least one of whom shall be a member of the Psychology Department). The project should be structured so that students participate in all of the steps involved in the research including the formulation of the research question(s), the design of the study including the selection of appropriate methodology, the collection and analysis of data, the interpretation of the findings and preparation of the report.

assessment: dissertation will be examined as specified by Specific Course Rule 7 of the Degree.

Master of Public Health

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 The Faculty of Medicine may accept as a candidate for the degree any person who has qualified for a degree of The University of Adelaide or of another university.
- 1.2 Subject to the approval of the Board of Graduate Studies acting with authority wittingly devolved to it by Council the Faculty of Medicine may in special cases and subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not meet the requirements specified in 1.1 above if it is satisfied that he or she is likely to be able satisfactorily to undertake work for the degree.
- 1.3 The Faculty of Medicine may require an applicant to complete such preliminary work as it may prescribe before being accepted as a candidate for the degree.

2 Qualification requirements

- 2.1 To qualify for the degree a candidate shall:
 - (a) satisfy examiners in subjects of study as prescribed in the Specific Course Rules *and*
 - (b) present a satisfactory thesis on a subject approved by the Faculty of Medicine. The thesis shall give the results of original research or of an investigation on which the candidate has been engaged.
- 2.2 With the prior permission of the Faculty two or more candidates may submit a joint thesis. In the light of their assessment of each candidate's contribution and quality of work the examiners, to be appointed pursuant to 5.2 below, may recommend for each candidate:
 - (a) that their thesis be accepted
 - (b) that their thesis be not accepted *or*
 - (c) that one or more of the candidates be required to submit additional individual work or to contribute to a revision of their joint thesis.
- 2.3 If the examiners do not consider the joint thesis acceptable for the purposes of 2.2(a) above they

may nevertheless in special circumstances, having regard to the individual work and contribution of any one or more of the candidates, recommend that the work and contribution of such one or more of such candidates complies with the requirements of 2.2(a) above to enable that one candidate or those several candidates to be treated as complying with the requirements of this Rule.

3 Duration of course

- 3.1 Except with the permission of the Faculty, the subjects of study and the thesis shall be completed in not more than two years of full-time study or four years of part-time study.
- 3.2 A candidate who withdraws from all of the subjects in which he or she is enrolled in any year or who fails to re-enrol after being enrolled in the previous year may only re-enrol in a subsequent year with the approval of the Faculty, and under such conditions as the Faculty may impose in each case.
- 3.3 A candidate proceeding with the thesis whose work is interrupted for a period of time may be granted an intermission of candidature by the Dean on behalf of the Faculty. If such an application is approved the maximum period specified in 3.1 above will be adjusted accordingly by adding the length of the intermission.

4 Review of academic progress

- 4.1 If in the opinion of the Faculty of Medicine a candidate for the degree is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature and the candidate shall cease to be enrolled for the degree.

5 General

- 5.1 On completion of the thesis the candidate shall lodge with the Registrar three copies of the thesis prepared in accordance with directions given to candidates from time to time. No thesis or material presented for any other degree within this or any other institution shall be submitted.

5.2 The Faculty shall appoint two examiners for each thesis, of whom at least one shall be external to the University.

5.3 A candidate who holds the Graduate Diploma in Public Health shall surrender the Graduate Diploma before being admitted to the degree.

5.4 There shall be four classifications of pass in each subject as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

5.5 The Faculty of Medicine may grant such status in any subject as it may determine up to a maximum of four subjects.

5.6 A candidate's enrolment in subjects of study must be approved by the Dean (or nominee) at enrolment each year.

5.7 The candidate shall pursue an approved research topic on a subject of relevance to environmental, public or community health under the control of the University and under the general guidance of one or more supervisors appointed by the Faculty of Medicine. At least one supervisor shall be a member of the academic staff of a Department of the Faculty of Medicine.

5.8 The examiners appointed under 5.2 above may recommend that:

- (a) the candidate shall be awarded the degree *or*
- (b) the candidate shall be awarded the degree but that minor amendments be made to the thesis *or*
- (c) the candidate shall be awarded the degree subject to
- (i) specified amendments being made to the thesis *or*
- (ii) satisfactory performance in an oral or written examination *or*
- (d) the candidate shall not be awarded the degree but shall be permitted to re-submit the thesis in a revised form *or*
- (e) the candidate shall not be awarded the degree.

6 Subjects of study and thesis requirements

6.1 Unless exempted therefrom by the Faculty of Medicine, every candidate for the degree shall complete the following components:

(a)	core subjects	
	2627 Introduction to Biostatistics	1.5
	3181 Introduction to Environmental Health	1.5
	6635 Introduction to Epidemiology	3
	2389 Prevention Principles	1.5
	1292 Public Health Policy	3
	4892 Research Methods in Public Health	1.5

(b)	elective subjects*	
	subjects to the value of 12 points to be chosen from the following:	
	7238 Aboriginal Health Policy	3
	4286 Biostatistics	3
	6100 Dental Public Health	3
	8026 Epidemiological Research Methods	3
	5241 Epidemiology of Infectious Diseases	3
	7258 Ethical Issues in Public Health	3
	3945 Health Services Organisation	3
	6187 Industrial Toxicology	3
	4446 National Short Course in Environmental Health	3
	7510 Occupational Health G	3
	5672 Occupational Hygiene and Ergonomics	3
	4672 Prevention in Practice	3
	4463 Public Health Policy and Ageing	3
	2836 Public Health Studies	3
	1414 Social and Behavioural Epidemiology	1 3

*Students may also be permitted to enrol in appropriate electives offered by other universities, subject to departmental/faculty approval.

6.2 To complete the requirements of the award a candidate shall either:

- (a) complete a Master of Public Health Thesis *or*
- (b) complete additional elective subjects to the value of 12 points and complete one of the following 12 point dissertation subjects:
 - 1596 Dissertation A
 - 5842 Dissertation B
 - 8894 Dissertation C

6.3 Candidates who have partially completed the coursework requirements for the degree before

1994 shall complete the requirements as follows:

<u>number of subjects completed before 1994</u>	<u>points value of subjects to be completed in 1994 or subsequent years (as approved)</u>
1	21
2	18
3	15
4	15
5	12
6	9
7	6
8	3

Syllabuses

subjects of study

A candidate is required to complete the six compulsory subjects and four elective subjects. The availability of a particular elective subject in any academic year depends on student demand and departmental staffing arrangements. Detailed timetables will be issued at the beginning of each academic year. All candidates are advised to discuss their choice of electives with the coordinating lecturer. See the Department of Public Health's World Wide Web site (<http://www.adelaide.edu.au/commed>) for up-to-date information.

textbooks

A reading list of recommended journal articles and textbooks will be issued by the coordinating lecturer for each subject and will be available from the Department of Public Health at the beginning of the year.

assessment

For each subject of study there will be a written examination at the conclusion. In addition candidates will be expected to prepare tutorial assignments or papers for presentation.

core subjects

6635 Introduction to Epidemiology

3 points semester 1

This subject deals with epidemiological concepts and terminology, basic analytic techniques and research designs. It does not aim to train specialist epidemiologists, instead the purpose is to give "undifferentiated" public health workers an introduction to the area. Some basic numeracy skills will be required.

By the end of the subject students should grasp basic concepts in epidemiology; have an understanding of the broad research strategies applied in the discipline; begin to critically assess literature in the public health domain which employs epidemiologic methods; understand the uses that are made of epidemiological information in public health; understanding of role of epidemiology in surveillance of the health status of populations.

2627 Introduction to Biostatistics

1.5 points semester 2

This subject introduces Biostatistics as a means of summarising sets of data, coping with the variability of individuals within populations, and making decisions in the face of uncertainty. Applications of statistical methodology to public health research will be emphasised.

3181 Introduction to Environmental Health

1.5 points semester 2

This subject will introduce the principal issues of concern in environmental health: the pressures of rising population numbers and the ecological consequences of trying to ensure adequate food supplies, water supplies and water quality, food quality hazardous environmental exposures (chemicals, radiation), and environmental degradation. There will be some consideration of how the changes in human ecology influence the emergence of new infectious diseases and the reemergence of old diseases. Local environmental health topics will be considered as examples of global environmental health problems.

2389 Prevention Principles

1.5 points semester 2

Prevention Principles examines several explanations of health related behaviours and processes of change at the individual, social, community, and environmental levels. Health promotion approaches are discussed drawing on individual, structural and poststructural explanations of behaviours. The ethical and political issues of health promotion implementation are included. Critical analysis of health communication is introduced. Some of the epidemiological rationale for priorities in prevention is also considered.

1292 Public Health Policy

3 points semester 1

This subject aims to help students analyse the health system with skills formed by the traditions of sociology, politics and economics. It aims to develop a critical, historically informed attitude toward the acquisition of knowledge and the evaluation of evidence about health institutions and their roles. Attention is also to the broad social and political context in which health policy is formed and implemented, and to the value assumptions implicit in policy. This analytical approach is applied in case studies of current issues in public health policy.

4892 Research Methods in Public Health

1.5 points semester 2

The subject examines the framework of research in the public health arena. We canvass the major strands in public health research, focussing on quantitative and qualitative streams. The strengths and weaknesses of both strands are evaluated and we discuss specific techniques within these traditions. The possibility of

mixing methods is discussed. The problems dealing with existing data sets are considered and we assess the status of indications in public health research. The course comprises lectures and tutorials and students write a research proposal for assessment.

dissertation

1596 MPH Dissertation A

12 points semester 1 or 2

Regular periodic meetings with supervisor/s

prerequisites: completion of M.P.H. coursework

The subject takes the form of an extended essay (15,000-20,000 words) which provides evidence of the student's ability to group, synthesise and critically assess the major issues involved in the area treated or a minor research project which makes an original contribution to knowledge in a particular limited area.

The format in which the dissertation is presented for examination may vary according to the nature of the research activity and the conventions of the discipline in which it is undertaken.

assessment: dissertation; attendance at departmental research development seminars; submission of a satisfactory proposal and research plan within 6 weeks of enrolment (3 months for p/t student); presentation of a 'work in progress' seminar within the department

5842 Public Health Dissertation B (part-time)

12 points semester 1 and 2

8894 Public Health Dissertation C (part-time)

12 points semester 2 and 1

See 1596 above for syllabus details

Note: students taking 8894 must re-enrol in the October enrolment period

elective subjects

7238 Aboriginal Health Policy

3 points semester 2

This subject offers students the opportunity to analyse current public policy affecting the health of Aboriginal Australians. It uses historical and political analysis, and comparative studies of other indigenous populations, to provide a context for reflection on current Aboriginal health status and health needs. The subject provides opportunities for students to explore a wide range of Aboriginal health programs and issues, through an intensive and multi-disciplinary teaching program and individual research.

4286 Biostatistics

3 points semester 2

This subject is designed to suit students requiring a high degree of self-sufficiency in the collection, analysis and interpretation of data. The topics will include survey sampling methods, analysis of categorical data, non-parametric statistical methods, multivariate linear modelling and survival analysis. A central feature of the subject will be instruction in the use of statistical packages on computers. Emphasis will be placed on the practical application of statistical skills to real data sets and the rational interpretation of results, especially results generated by statistical packages.

6100 Dental Public Health

3 points semester 2

This subject is designed to suit students requiring specific understanding of dental public health. The subject will focus on (a) the assessment of various oral disease levels and related problems, identification of prevention and control measures, selection and implementation of appropriate measures and evaluation of the results; and (b) the structure of existing dental care programs, the coverage of the community and integration and organisation of all types of dental resources including the supply, distribution and utilisation of dental personnel, facilities and funds.

8026 Epidemiological Research Methods

3 points semester 1

prerequisite: completion of an introductory epidemiology course

This subject concentrates on conceptual and practical issues encountered by students in the design and implementation of epidemiological research. (Students will be required to develop and present a research protocol for class discussion). Theoretical material as it relates to carrying out such research will include the definition and control of bias and confounding in observational studies, implications of sampling, the analysis of research impact of interventions on the community, techniques of surveillance, and screening. Common pitfalls in epidemiological and statistical reasoning will be examined, and attention will be paid to research design, proposal writing, data presentation, and critical reading of the research literature.

5241 Epidemiology of Infectious Diseases

3 points semester 1

The subject aims to introduce students to the epidemiology of infectious diseases of public health importance. Topics covered will be the descriptive epidemiology of these diseases, including the roles of surveillance and investigation of outbreaks of diseases. Specific topics, such as immunisation and emerging infectious diseases, will also be considered. There will be opportunities to examine how infectious disease activities are coordinated in South Australia. Students will attend lectures and undertake special projects.

7258 Ethical Issues in Public Health

3 points semester 1

This subject consists of two sections. About 40% of the time is devoted to an examination of theoretical questions, including the bases for ethical argument in a pluralist society, the moral foundations of public policy and the justification of social demands for individuals to conform to policy. The second, larger part of the subject, includes a critique of the ethical implications of the public health movement and of particular policies. This second part attends to matters such as environmentalism, resource distribution in an ageing population, ethical dilemmas in primary care, and ethical problems in epidemiology.

3945 Health Services Organisation

3 points semester 1

This subject is designed to provide a broad introduction to the analysis of health service organisations. There will be some emphasis on the provision of public health, primary care and preventive services, but not to the exclusion of hospitals and other institutions. Priority will be given to the forces which have been critical in shaping the structure and function of these services. The professional and technical context of health service provision will be examined in the light of fundamental organisational and economic principles. Limited comparison will be made with institutions and practices in other O.E.C.D. countries.

6187 Industrial Toxicology

3 points semester 1

The subject focuses on chemical hazards in the workplace. It includes an overview of the principles of toxicology; the use of toxicity tests and other data to characterise a chemical's acute, chronic, systemic and local toxic effects, with specific emphasis on carcinogenicity, mutagenicity, neurotoxicity and reproductive toxicity. The compilation of material

safety data sheets, the basis for setting and monitoring exposure limits, and the problem of estimating risk are discussed.

4446 National Short Course in Environmental Health

3 points semester 1

Intensive course held over 10 days in December

The subject will focus primarily on the process of identifying, quantifying, evaluating and managing the health effects of population exposures to various environmental contaminants and other factors. 'Risk' will provide the framework, including hazard identification, risk assessment, risk management and risk communication. To address the potential hazards of ambient environmental exposures, various public health disciplines are needed: epidemiology to help identify hazards and quantify risk; toxicology to provide collaborative quantitative experiment data on biological effects of hazardous agents and understand the toxic process; environmental sciences to measure exposure; and various policy analysis-related disciplines (eg. environmental law, sociology, health economics) to appraise and manage risk. The subject will illustrate the role of these disciplines in the investigation and management of environmental health problems. Viewed broadly, the study of environmental health encompasses urban design, transport noise management, and traditional public health issues in relation to human populations. It also encompasses macro problems such as climate change, ozone depletion and land degradation. These macro topics will be briefly addressed but not systematically developed. As a result of attending this course, students will understand selected relationships between the environment and human health and be able to apply this information to develop risk assessment and risk management strategies.

1563 Occupational Health and Safety Practice

3 points semester 2

This subject will focus on practical occupational health and safety issues. A prime concern will be with workers' compensation and rehabilitation; attention will be given to the evolution of the current system in South Australia, and associated problems in relation to common causes of occupational morbidity. There will also be tutorial sessions in which consideration will be given to specific occupational health problems: analysis of cause-effect relationships, practical problems in minimising health risks, and the management issues within companies involved in addressing the problems.

As well as 'conventional' occupational health issues, there will be consideration of related contemporary issues such as smoking in the workplace, alcohol and industry, and worksite health promotion. The course will include some industrial visits.

5672 Occupational Hygiene & Ergonomics

3 points semester 1

This subject is an introduction to practical occupational hygiene and ergonomics. There is broad coverage of chemical and physical hazards and of technologies for evaluation and control. Topics include their noise, vibration, thermal stress, shift work, biohazards and toxic chemicals. There will be discussion of exposure standards and the interpretation of hygiene data. There will also be an overview of ergonomics, including consideration of work-station and process design; displays and information systems; biomechanics; anthropometry; and psychological aspects.

4672 Prevention in Practice

3 points semester 2

In this subject, two or three of the major areas of disease prevention and health promotion are examined in depth. These areas may be drawn from infectious disease prevention, cardiovascular and cancer risk, worksite interventions, adolescent health or other areas in which there is current active practice in Australia. For each area selected, there will be consideration of prevalence data and the social context of the problem, intervention strategies and the evidence for their effectiveness, and how outcomes of interventions may be evaluated.

5546 Public Health Law

3 points semester 1

A series of classes cover the major elements of public health law, the general theories about law and its development in contexts that are important for public health. There will be a detailed analysis of the law relating to the main public health areas, including disease control, environmental health, occupational health, epidemiology, public health litigation and legislation, drug and alcohol controls and health promotion.

4463 Public Health Policy and Ageing

3 points semester 2

This subject explores the implications for the health care system of the change in demography and epidemiology that has accompanied a falling birth rate and a rising life expectancy. Issues examined include

the prevention of disability, care of the confused elderly, housing policies and the elderly, nursing home needs, domiciliary support services, geriatric assessment units, preparation for retirement, pensions and health, health promotion in the elderly, hospice care. Students will become familiar with a range of research and program evaluation into geriatrics and gerontology in Australia and with the various initiatives being undertaken to address the health and social needs of elderly South Australians.

2836 Public Health Studies

3 points semester 2

This subject enables students to develop an individualised reading course with an academic staff member in a field of significant public interest. It is not a specific preparation for thesis work. The details of the course will be arranged by negotiation between individual students and appropriate teachers within the department although cooperative arrangements may be organised with other departments or public health agencies. A written plan of study will be developed in consultation with a staff member including the criteria for formal assessment which may include a seminar presentation.

1414 Social and Behavioural Epidemiology

3 points semester 2

This subject is designed to provide students with an extensive understanding of social and behavioural epidemiology, particularly as it is applied to analytical research. By the end of the subject, students should have an understanding of: the nature of social/behavioural issues in relation to epidemiological research; research design which take into account social/behavioural issues; measurement approaches to social/behavioural issues; survey and data collection methods in relation to social/behavioural data.

The subject focuses on these four major objectives through tutorials and workshops in which participants directly apply the issues at hand to a demonstration project. The program draws on examples of public health importance, and gives particular attention to research areas related to women's health such as mammographic screening and maternity service provision.

Master of Surgery

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1** The following persons may be accepted as candidates for the degree of Master of Surgery:
- (a) Bachelors of Surgery of The University of Adelaide;
 - (b) Graduates in surgery of another university who hold a degree which is accepted by the Council on the recommendation of the Faculty of Medicine as equivalent to the degree of Bachelor of Surgery of The University of Adelaide.
- 1.2** No person may be awarded the degree of Master of Surgery until three years have elapsed since becoming qualified to receive the degree by virtue of which that person qualified for acceptance as a candidate for the degree of Master of Surgery.
- 1.3** Except by special permission of the Faculty of Medicine, every candidate shall give at least two semesters' notice of intended candidature, and shall indicate in general terms the subject of the research work or investigation on which it is proposed to submit a thesis. The Faculty of Medicine may, if it considers it desirable, nominate a department under whose aegis the candidate will be required to undertake work and appoint a supervisor or supervisors to whom the candidate will be responsible for the preparation and presentation of the thesis.
- 1.4** A candidate for the degree shall submit: (a) evidence satisfactory to the Faculty of Medicine of having had special training in surgery including at least two years' such training in a teaching hospital recognised by the Faculty for the purpose; (b) a thesis embodying the results of original work relevant to the science or art of surgery or both; and (c) such other published papers in support of the candidature as may be thought fit.

2 Duration of course

- 2.1** Unless the Faculty shall otherwise determine, a candidate for the degree shall pursue his or her approved course of study for a period of not

more than three years from the date of his or her candidature.

3 Qualification requirements

- 3.1** To qualify for award of the degree the thesis must make a contribution to surgical knowledge.
- 3.2** A candidate's thesis must include: (a) a declaration by the candidate indicating clearly the extent (if any) to which the candidate is indebted for any portion of the work to any other person, and stating that the thesis does not contain any material which has been accepted for the award of any other degree in any university; (b) a statement of the nature of the problem investigated; (c) a review of the relevant scientific and historical background; (d) a detailed account of the methods of investigation employed, the results obtained, and their interpretation.
- 3.3** On completion of the work the candidate shall lodge with the Faculty three copies of the thesis prepared in accordance with directions given to candidates from time to time. Refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume.
- 3.4** The Faculty of Medicine, if it approves the subject of the work submitted, shall nominate examiners, of whom at least one shall be an external examiner.
- 3.5** A candidate may be required to undergo an oral examination in the subject-matter of the thesis and in any other subject-matter cognate thereto.
- 3.6** After hearing the reports of the examiners the Faculty shall determine whether or not an oral examination is necessary, and may then recommend (a) that the degree be awarded, or (b) that the degree be awarded on satisfactory completion of an oral examination, or (c) that the thesis be returned to the candidate for revision, or (d) that the degree be not awarded.

Doctor of Medicine

Rules

- 1 The following persons may be accepted as candidates for the degree of Doctor of Medicine:
 - (a) Bachelors of Medicine of the University of Adelaide
 - (b) Graduates in medicine of another university, but who have had a substantial association with the University of Adelaide, and who hold a degree which is accepted by the School of Medicine as equivalent to the degree of Bachelor of Medicine of the University of Adelaide.
- 1.1 Under normal circumstances, one would not expect this award to be given to an applicant with less than eight-years of highly productive and original research in the field of medicine. However, the Doctor of Medicine may be awarded, in exceptional cases, for shorter periods of outstanding work.
- 2 A candidate may only proceed to the award by the submission of previously published work.
 - 2.1 A person who desires to become a candidate for the award shall give notice of the intended candidature, in writing, to Graduate Studies and, with such notice, shall furnish particulars of his/her medical achievements and of the work to be submitted for the award. No work presented for the award may include material which has been accepted for any other degree or qualification of any university or institution.
 - 2.2 The School of Medicine shall appoint a committee to assess the information provided and to advise on whether the School should:
 - (a) allow the applicant to proceed, and approve the subject or subjects of the work to be submitted *or*
 - (b) not allow the applicant to proceed. The School's decision shall be conveyed to the applicant.
 - 2.3 If the School approves the subject or subjects of the work, and the candidate proceeds with the submission, the School shall nominate three external examiners, all of whom will be eminent in the field of the submitted works; all of whom will still be active in research and experienced in the supervision and examination of work at this level.
- 3 To qualify for the award, the candidate shall furnish satisfactory evidence that he/she has made an original and substantial contribution to medical knowledge.
 - 3.1 The Doctor of Medicine shall be awarded primarily on a consideration of such published works as a candidate may submit for examination.
 - 3.2 The candidate in submitting published works shall state generally in a preface, and more specifically in notes, the main sources from which the information is derived and the extent to which the candidate has made use of the work of others, especially where joint publications are concerned. The candidate may also signify in general terms the portions of the work claimed as original.
 - 3.3 The outcome of the examination shall be either 'award the MD' *or* 'not award the MD'
- 4 The candidate shall lodge with Graduate Studies three copies of the work prepared in accordance with the directions given in the Specifications for Thesis, *The University of Adelaide Calendar, Volume II, Part II: A Handbook of Postgraduate Courses.*

Doctor of Nursing

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course for the degree of Doctor of Nursing shall:

- (a) have qualified for a degree of Master of Nursing Science of the University or a degree of another institution accepted by the Board of Graduate Studies as equivalent to a degree of Master of Nursing Science of the University and have at least seven years' experience in a nursing institution, or in nursing education, in nursing services delivery, or a combination of such experience; or
- (b) have qualified for an Honours degree of a university in the field of Nursing accepted by the Board of Graduate Studies for the purpose as equivalent to a University of Adelaide Honours degree of at least a second class division A standard and have at least seven years' experience in a nursing institution, or in nursing education, in nursing services delivery, or a combination of such experience.

1.2 The Board may accept as a candidate a graduate who does not qualify under clauses 1.1(a) or (b) but has completed to its satisfaction the requirements of at least one year of full-time postgraduate study or research and has passed a qualifying examination of Honours standard prescribed by the Board.

1.3 In exceptional circumstances the Board may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of clause 1.1 or 1.2 above but who has presented evidence satisfactory to the Board of fitness to undertake work for the degree.

2 Acceptance

2.1 A person shall not be enrolled as a candidate for the degree unless:

- (a) the applicant's proposed field of study and research is acceptable to the Board of Graduate Studies in consultation with the Department of Clinical Nursing *and*

- (b) the Department of Clinical Nursing can provide appropriate supervisors and other resources to support the candidature at this University or a collaborating university.

The collaborating universities for the purpose of this degree are the University of Sydney, the University of Tasmania and the Victorian University of Wellington (N.Z.).

3 Duration of the course

3.1 Except in circumstances approved by the Board, the work for the degree shall be completed and the doctoral portfolio submitted:

- (a) in the case of a full-time candidate, in three years from the date of commencement of candidature
- (b) in the case of a part-time candidate, not less than four years and not more than six years from the date of commencement of candidature.

4 Extensions and Intermissions

4.1 The Board may grant a candidate one extension of candidature of twelve months beyond the maximum period specified in rule 3.1, but if the doctoral portfolio has not been submitted by the end of that period, the candidature will lapse.

4.2 A candidate whose work is interrupted for a period of time may be granted an intermission of candidature by the Board. If an intermission is approved the duration of the candidature specified in rule 3.1 will be adjusted accordingly.

5 Course requirements

5.1 A candidate shall pursue a course of study and research approved by the Board of Graduate Studies in consultation with Head of the Department of Clinical Nursing.

5.2 Within the coursework study component, which comprises 50% of the degree, all candidates shall be required to complete core subjects to the value of 24 points and field based inquiry subjects to the value of 12 points.

(a) Core subjects

All candidates shall complete the following subjects:

3260	Contemporary Issues in Nursing Service Delivery	8
1075	Predicting, Critiquing and Visioning in Nursing	8
1919	Situating Scholarly Inquiry in Nursing	8

(b) Field Based Inquiry subjects

All candidates shall complete the following subjects:

4938	Field Based Inquiry in Nursing I	6
4438	Field Based Inquiry in Nursing II	6

5.3 A candidate shall also pursue an approved course of study and research (the doctoral portfolio), which forms 50% of the degree, under the general guidance of one or more supervisors appointed by the Board in consultation with the Department. If more than one supervisor is appointed, at least one supervisor shall be a member of the academic staff of the Department of Clinical Nursing of this University, or a member of the academic staff of a collaborating university approved by the Department of Clinical Nursing.

5.4 All candidates shall complete the Core Subjects at this University, but the work for the Field Based Inquiry subjects and/or the research for the doctoral portfolio shall be undertaken at this or a collaborating university.

5.5 The Head of the Department of Clinical Nursing may permit a candidate to spend six months in any one year of the candidature away from this or a Collaborating University on work connected with the research for the degree. The total period of such absence should not exceed twelve months.

5.6 A Candidate who has completed the equivalent of two and a half years full-time working under the supervision of this or a collaborating university and who has completed the core and the Field Based Inquiry subjects of the degree and whose progress is sufficiently well advanced to permit the satisfactory completion of the doctoral portfolio outside this or the collaborating university, may be granted permission by the Board to complete the writing-up of the doctoral portfolio outside this or the collaborating university. If such an application is approved the candidate will be allowed either six months or until the end of any

extension of candidature which has been granted under rule 4.1, whichever is the lesser, to submit the doctoral portfolio. If the portfolio has not been submitted by the end of that period the candidature will lapse.

6 Assessment and examinations for the coursework

6.1 There shall be four classifications of pass in any subject for the Degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

6.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this clause, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

6.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Board and then only under such conditions as may be prescribed.

7. Status and exemption

7.1 There will be no credit or variation of the requirements for the degree on account of an applicant having undertaken studies and research towards another degree of the University or another university.

7.2 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Head of Department of Clinical Nursing, again complete all the required work in the subject to the satisfaction of the teaching staff concerned.

8. Resumption of lapsed candidature

8.1 A candidature which has lapsed will be resumed, for examination purposes only, if a final draft of the doctoral portfolio which has not departed from the field of study which was being pursued before the candidature lapsed is subsequently submitted within two years from the date of expiry of candidature to the Department of Clinical Nursing and is satisfactory to that Department. Any extension beyond two years shall be determined on a case-by-case basis by the Board in consultation with the Department of Clinical Nursing.

9 Assessment and examinations of the doctoral portfolio

9.1 On the completion of the approved course of study and research, a candidate shall submit a doctoral portfolio embodying the results of that study and research and may submit also, in support of the doctoral portfolio, other relevant material. No work or material presented for any other degree within this or any other institution shall be so submitted except where it is specifically relevant and identified and approved by the Board of Graduate Studies. The Board shall prescribe the form in which the doctoral portfolio shall be submitted and the number of copies to be submitted.

9.2 The doctoral portfolio shall:

- (a) display original and critical thought
- (b) be a significant contribution to knowledge and the profession of nursing
- (c) relate the topic of research to the broader framework of the discipline within which it falls *and*
- (d) be clearly, accurately and cogently written and be suitably illustrated and documented.

9.3 A candidate shall notify the Registrar, Graduate Studies, in writing, approximately three months before he or she expects to submit the doctoral portfolio. A summary of the doctoral portfolio, together with the proposed doctoral portfolio title, shall be submitted at the same time.

- 9.4
- (a) A candidate shall have the right to submit objections to the appointment of potential examiners. Any such objections should be submitted to the Registrar, Graduate Studies, at the same time as the notification of intention to submit required under rule 9.3. Such objections shall not serve as a veto
 - (b) The Board shall appoint two examiners who are external to this or the collaborating university, taking account of any objections raised under (a) and the recommendations of the Head of the Department of Clinical Nursing
 - (c) The examiners shall be requested to report in such form as the Board prescribes and to recommend one of a number of alternative outcomes described in 9.5 below
 - (d) After consideration of the reports of the examiners, the Board may appoint a third external examiner, a new set of examiners

and/or an external arbitrator, if deemed appropriate.

9.5 After consideration of the reports of the examiners and such other information as it thinks fit, the Board shall determine that, having completed satisfactorily all the requirements of the course the candidate:

- (a) shall be awarded the degree *or*
- (b) shall be awarded the degree but that minor amendments be made to the doctoral portfolio *or*
- (c) shall be awarded the degree subject to specified amendments being made to the doctoral portfolio *or*
- (d) shall not be awarded the degree but shall be permitted to re-submit the doctoral portfolio in a revised form *or*
- (e) shall be awarded the degree of Master of Nursing Science *or*
- (f) shall be awarded the degree of Master of Nursing Science upon making suitable amendments to the doctoral portfolio *or*
- (g) shall not be awarded the degree of Doctor of Nursing nor the degree of Master of Nursing Science.

9.6 A candidate who does not wish to allow the doctoral portfolio to be lent or photo-copied when it is deposited in University libraries, after the successful completion of the examination, shall make written application to the Registrar, Graduate Studies, for an embargo to be placed on the portfolio, at the same time as he or she notifies his or her intention to submit. The granting of such permission and the period of embargo involved shall be determined by the Board of Graduate Studies.

10 Annual Review

10.1 A formal review of a candidate's progress shall be conducted by the Department of Clinical Nursing at least once a year, in accordance with Board of Graduate Studies guidelines. A candidate's re-enrolment in the following year is conditional upon his/her having attained satisfactory progress in the year except where the Board is satisfied that special circumstances beyond the candidate's control affected the progress.

If a candidate's progress is unsatisfactory, the Board may terminate the candidature, in accordance with the guidelines outlined in the *Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees*.

Syllabuses

3260 Contemporary Issues in Service Delivery

8 points semester 1

4 hours per week

This unit sets out to establish a critical perspective on change in health care delivery. Students will be given opportunities to develop collaborative strategies for designing, implementing and evaluating change alongside appropriate experts in the field.

assessment: 2000 word assignment 30%, 1500 word class paper 20%, 3000 word essay 50%

4938 Field Based Inquiry in Nursing I

6 points semester 2

3 hours per week for 3 weeks; negotiated access to a nominated supervisor

This unit is intended to enable candidates to integrate theory and practice in nursing and to develop the skills of scholarly inquiry that are necessary for the successful completion of both this unit and the doctoral program as a whole. Each candidate shall, in consultation with the Course Director and their supervisor, present a proposal for professional development experience which specifies the goals of their field experience in week 3 of the unit. The Field Based Inquiry into Nursing I unit shall proceed only after the proposal is approved by the Course Director.

This unit is designed to enable students to conduct a project which focuses on their field of practice and health service delivery. Drawing on processes of reflection, critique of practice and research skills, students will be expected to revisit, redesign, carry out and report on their projects. They will engage in a period of intensive reading, explore relevant aspects of practice, prepare reports for presentation within the organisation, at professional meetings and for assessment of progress within the course. Successful completion of this unit will prepare students to undertake large scale projects with increasing independence and confidence.

assessment: 5000-6000 word field inquiry report

4438 Field Based Inquiry in Nursing II

6 points semester 2

3 hours per week for 3 weeks; negotiated access to a nominated supervisor

This unit is designed to challenge students to be more than just analytical. It is designed to facilitate the

development of students' ability to recognise the implications of change in the broad arena of society in general and health care and nursing in particular. In satisfying criteria associated with this unit, students will need to demonstrate the ability to advance and successfully defend innovative thinking in relation to service delivery. Students will be required to engage in a period of sustained involvement in a professional nursing setting and to prepare and submit a paper which focuses on predictable, desirable and visionary change.

assessment: 4000-6000 word field inquiry report

1075 Predicting, Critiquing and Visioning in Nursing

8 points semester 1

4 hours per week

This unit focuses on encouraging students to articulate goals and visions that reflect a considered and theoretically informed nursing approach to health care delivery. It is designed to enable a synthesis of work from previous units as a point of departure for shaping future high quality practice. Students will explore alternative frameworks for defining and delivering health care.

assessment: 5000 word assignment 50%, exam 50%

1919 Situating Scholarly Inquiry in Nursing

8 points semester 1

4 hours per week

This unit focuses on the development of skills in collaborative inquiry. It situates inquiry in the discipline of nursing in terms of its theoretical roots and encourages students to develop their own understandings of nursing as a practice.

This is designed to be the foundational unit of the course and sets out to prepare nursing leaders who are grounded in an understanding of their own discipline. As a practice discipline, it is imperative that a scholarly dialogue be established between practice and theoretical discourses in nursing. Students will embark on such dialogue in order to develop their own understandings of the ontology and epistemology of nursing as a scholarly practice.

assessment: 3000 word assignment 40%, 5000 word assignment 60%

Faculty of Humanities and Social Sciences

Website: <http://arts.adelaide.edu.au/arts-web/>

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There shall be no further intake into this course. For information regarding the rules governing this course, please refer to *The University Calendar Volume II: Handbook of Courses 1997*. See Department for information on subject availability

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Graduate Certificate in Australian Studies
Graduate Certificate in Cognitive Studies
Graduate Certificate in Creative Writing
Graduate Certificate in Educational Administration
Graduate Certificate in Educational Studies
Graduate Certificate in Environmental Policy, Planning and Management
Graduate Certificate in Environmental Studies
Graduate Certificate in International Studies
Graduate Certificate in Labour Studies
Graduate Certificate in Language Education
Graduate Certificate in Logic
Graduate Certificate in Philosophy
Graduate Certificate in Population Studies
Graduate Certificate in Public Affairs
Graduate Certificate in Social Sciences
Graduate Certificate in Spatial Information Science
Graduate Certificate in Women's Studies
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Humanities & Social Sciences— Awards and Rules

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Graduate Diploma in Spatial Information Science
Graduate Diploma in Women's Studies
International Graduate Diploma in Environmental Management
Bachelor of Education (In-Service)
Bachelor of Educational Studies
Master of Arts
Master of Arts (Applied Demography)
Master of Arts (Applied Historical Studies)
Master of Arts (Applied Linguistics)
Master of Arts (Creative Writing)
Master of Arts (Geographic Information Systems and Remote Sensing)
Master of Arts (International Studies)
Master of Arts (Labour Studies)
Master of Arts (Philosophy)
Master of Arts (Population and Human Resources)
Master of Arts (Public Affairs)
Master of Arts (Women's Studies)
Master of Cognitive Science
Master of Education
Master of Educational Administration
Master of Educational Studies
Master of Environmental Management
Master of Environmental Studies
Master of Logic
Master of Social Sciences
Master of Spatial Information Science
Doctor of Education

* New course, awaiting University approval

Notes not forming part of the Regulations

- 1 Council has delegated the power to approve minor changes to the General Course Rules to the Convenor of the Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific Course Rules to the Executive Deans of Faculties.
- 3 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty. The Head of department or centre may approve minor changes to any previously approved syllabus.
- 4 There is also a Doctor of Letters (D. Litt.) whose rules are available on application to the Faculty office.

Graduate Certificate in Applied Demography

This award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with the General Course Rules as well as with the Specific Course Rules set out below, they are advised to refer to them to understand their rights and responsibilities regarding course matters.

Specific Course Rules

1. Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Certificate in Applied Demography shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2. Duration of course

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or no more than one year of part-time study.

3. Course requirements

3.1 To qualify for the Graduate Certificate, a candidate shall satisfactorily complete core subjects to the value of 12 points, as follows:

3.2 Core subjects

All candidates shall complete the following subjects:

2837 Introduction to Demography	3
5628 Computer Applications in Demography	3
4101 Demographic Projections and Forecasts	3
9052 Applications of Demography	3

4. Status, exemption and credit transfer

4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.

4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

4.3 In any case, no candidate will be awarded more than 6 points of status.

4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5. Assessment and examinations

5.1 There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed

6. Articulation with other awards

6.1 Students who complete this course are also eligible to apply for entry to the Graduate Diploma in Applied Demography course, and be granted status for the work they have undertaken in the Graduate Certificate.

6.2 Students who have conferred upon them the award of Graduate Certificate in Applied Demography who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

- 6.3** A candidate for the Graduate Diploma in Applied Demography who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate but may be admitted to the Graduate Certificate.

Syllabuses

See Master of Arts (Applied Demography) for syllabus details

Graduate Certificate in Applied Historical Studies

This award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with the General Course Rules as well as the Specific Course Rules below, they are advised to refer to them to understand their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Certificate in Applied Historical Studies shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of the award

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or no more than one year of part-time study.

3 Course requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete subjects to the value of 12 points as follows:

3.1 Core subjects

All candidates shall complete the following subjects:

- | | |
|---|---|
| 5935 Heritage and History in Contemporary Australia | 6 |
| 6132 Public History: Principles and Practice | 6 |

3.2 No candidate will be permitted to count for the Graduate Certificate any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.

4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

4.3 In any case, no candidate will be awarded more than 6 points of status.

4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

5.1 There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

6 Articulation with other awards

6.1 Students who complete this course are also eligible to apply for entry to the Graduate Diploma in Applied Historical Studies course, and be granted status for the work they have undertaken in the Graduate Certificate.

6.2 Students who have conferred upon them the award of Graduate Certificate in Applied Historical Studies who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

6.3 A candidate for the Graduate Diploma in Applied Historical Studies who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

Syllabuses

See Master of Arts (Applied Historical Studies) for syllabus details

Graduate Certificate in Applied Linguistics

This award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with the General Course Rules as well as with the Specific Course Rules set out below, they are advised to refer to them to understand their rights and responsibilities regarding course matters.

Specific Course Rules

1. Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Certificate in Applied Linguistics shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University, with at least one major in the area of linguistics or languages.

1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate

2. Duration of course

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than two years of part-time study..

3. Course requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete subjects to the value of 12 points, as follows:

3.1 Core subjects

All candidates shall complete the following subjects

3305 Advanced English Language
Development for Educational or
Academic Purposes 3

8992 Computer Assisted Language
Learning A 3

3.2 Elective Subjects

All candidates shall complete elective subjects to the value of 6 points chosen from the following:

3420 English Language Teaching in
Specific Settings A 3

7347 English as a Foreign Language
Teaching Methods 3

9031 Directed Study (3 pt) 3

3.3 No candidate will be permitted to count for the Graduate Certificate any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4. Status, exemption and credit transfer

4.1 A candidate normally would not be granted status for any subject which he or she has completed for another award.

4.2 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5. Assessment and examinations

5.1 There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

6. Articulation with other awards

A candidate for the Graduate Diploma in Applied Linguistics who satisfies the requirements for the Graduate Certificate but who does not complete the requirements for the Graduate Diploma may be admitted to the Graduate Certificate

Syllabuses

3305 Advanced English Language Development for Educational and Academic Purposes

3 points semester 1

The aim of this subject is to extend students' own command of English Language as it is used in academic and educational intercultural communication contexts. Principles of register and genre will be employed to involve students in the grammatical, textual and contextual aspects of using English for academic and professional education purposes.

8992 Computer Assisted Language Learning A

3 points semester 1 or 2

The subject offers an introduction to the use of computers in language learning. Topics in the subject include: the role of the word processor, applications for tutorial programs, text reconstruction, authorising and internet resources for language teaching. The course offers a balance in practical computing skills and a critical understanding of the features of second language acquisition which come into play in using computers in language learning. The course is suitable for students thinking of pursuing a career of teaching Western European languages. Students are advised to see the lecturer in advance of the course if they wish to prepare materials using the following languages: Amharic, Arabic, Croatian, Czech, Greek, Hebrew, Lithuanian, Persian, Polish, Portuguese, Romanian, Russian, Serbian, Slovak or Slovenian.

The subject uses the MS-DOS platform. Some reference will be made to the Macintosh platform.

3420 English Language Teaching in Specific Settings A

3 points semester 2

This subject will explore the contemporary TESOL methods in light of their application within a specific setting selected by the student. Current approaches to the analysis of spoken and written text will be used as the basis for developing an English Language teaching program to suit each student's professional context.

7347 English as a Foreign Language Teaching Methods

3 points semester 2

Details to be advised

9031 Directed Study (3pt)

3 points semester 1 or 2

Content to be devised in consultation with the Head of Department

Graduate Certificate in Australian Studies

Note: There will be no intake into this course in 2000.

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1** An applicant for admission to the course of study for the Graduate Certificate in Australian Studies shall have qualified for a degree of the University or for a degree of another institution accepted for the purpose by the University.
- 1.2** Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a student for the Graduate Certificate a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of course

Except with the special permission of the Faculty, the course for the Graduate Certificate shall be completed in one semester of full-time study or not more than one year of part-time study.

3 Course requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete subjects to the value of 12 points as follows.

3.1 Compulsory subject

6310 Issues for Australians IV 4

3.2 Elective subjects

Anthropology

5011 Aborigines and the State IV 4

5069 Towards an Anthropology of Australian Society IV 4

3080 Aboriginal Land Tenure and Sacred Sites IV 4

2164 Depicting Aboriginal Cosmology IV 4

Education

8832 Education in Multilingual Settings 4

5093 Gender, Education and Social Change 4

8900 Schools as Cultural Systems 4

9217 Teaching the Australian Studies Curriculum 4

English

9455 Australian Cultural Studies IV 4

7491 Contemporary Australian Writing 4

Gender Studies

9410 Australian Feminist History: A Survey 6

5756 Power and Difference: Postcolonial Perspectives PG 6

History

1442 Aborigines in 20th Century Australia IV 4

8032 South Australian Aboriginal History IV 4

Labour Studies

3649 Political Economy of Globalisation IV 6

Politics

4197 Public Policy in South Australia IV 4

4 Status, exemption and credit transfer

4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.

4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

4.3 In any case, no candidate will be awarded more than 4 points of status

4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned

5 Assessment and examinations

5.1 There shall be two systems of classification of pass in subjects for the Graduate Certificate: either Non-Graded Pass, or Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

Syllabuses

Core topic

6310 Issues for Australians

4 points

not offered in 2000

2 hours per week

A seminar-based, one semester subject investigating issues in the field of Australian Studies with a particular focus on Australian culture. The subject will address a range of areas such as Aboriginal writing, media ownership and control, Australian film and television, tourism and culture, and landscape and culture.

assessment: essays, papers equivalent to 8,000 words

Elective subjects

Please contact course convenor for details

Graduate Certificate in Cognitive Science

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Certificate in Cognitive Science shall have qualified for a degree of the University incorporating major studies in one or more of the following disciplines: philosophy, psychology, linguistics, computer science, neurophysiology, neuroanatomy, mathematics; or for a degree of another institution accepted for the purpose by the University.

1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions as it may see fit to impose in each case, accept as a student for the Graduate Certificate a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of the Award

To qualify for the Graduate Certificate a student shall satisfactorily complete a course of one semester of full-time study or the part-time equivalent, and not more than one year of part-time study.

3 Course requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete subjects to the value of 12 points as follows

3.1 Core subject

1207 Cognitive Science: Minds, Brains and Computers IV 4

(Students who are granted exemption from studying the subject 1207 Cognitive Science: Minds, Brains and Computers IV due to having previously completed either 8606 Cognitive Science: Minds, Brains and Computers II or 5086 Cognitive Science: Minds, Brains and Computers III or its equivalent will be required to present an additional 4 point elective subject in lieu of this requirement.)

3.2 Elective subjects

All students shall complete elective subjects to an aggregate value of 8 points chosen from the following six groups of subjects, with no more

than 4 points of subjects being presented from any one group:

Group A Philosophy subjects

8733 Issues in the Philosophy of Language IV 4

6655 Mental Representation, Consciousness and Self IV 4

3390 Logic IV 4

Group B Psychology subjects

3400 Developmental Psychology IV 2

4308 Intelligence IV 2

8836 Mind Brain and Evolution IV 2

2679 Perception and Cognition IV 2

9292 Psychology of Language in Thought and Action IV 2

8299 Social Psychology IV 2

Group C Computer Science subjects

8352 Artificial Intelligence IV 2

2340 Advanced Artificial Intelligence IVA (Computer Vision) 2

5042 Advanced Artificial Intelligence IVB (Machine Learning) 2

Group D Linguistics subjects

4594 Foundations of Linguistic Theory IV 4

3355 Language, Cognition and Reality IV 6

Group E Histology and Anatomy subjects

2967 Integrative and Comparative Neuroanatomy (CS) IV 4

Group F Physiology subjects

3155 Neurobiology IV 2

The availability of some of the above elective subjects varies from year to year. Students should contact the relevant department(s) for information about subject availability over the projected period of their study program.

Many of these elective subjects have had their normal prerequisites waived for the purposes of this graduate program in Cognitive Science. However, students enrolling in these subjects are

expected to do sufficient background reading to attain a basic understanding of the subject area. Prospective students should contact subject coordinators for information about appropriate background reading

4 Status, exemption and credit transfer

- 4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3 In any case, no candidate will be awarded more than 6 points of status.
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

6 Articulation with other awards

- 6.1 Students who complete this course are also eligible to apply for entry to the Graduate Diploma in Cognitive Science course, and be granted status for the work they have undertaken in the Graduate Certificate.
- 6.2 Students who have conferred upon them the award of Graduate Certificate in Cognitive Science who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.
- 6.3 A candidate for the Graduate Diploma in Cognitive Science who does not complete the

requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

Syllabuses

See Master of Cognitive Science for syllabus details

Graduate Certificate in Creative Writing

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1. Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Certificate in Creative Writing shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University, and present a suitable portfolio of creative writing
- 1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2. Duration of course

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than one year of part-time study.

3. Course requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete subjects to the value of 12 points, as follows

All candidates shall complete the following:

4320 Work in Progress	8
4833 Creative Writing Study A	4

4. Status, exemption and credit transfer

- 4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3 In any case, no candidate will be awarded more than 6 points of status.
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the

subject to the satisfaction of the teaching staff concerned.

5. Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6. Articulation with other awards

- 6.1 Students who complete this course are also eligible to apply for entry to the Graduate Diploma in Creative Writing course, and be granted status for the work they have undertaken in the Graduate Certificate.
- 6.2 Students who have conferred upon them the award of Graduate Certificate in Creative Writing who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma
- 6.3 A candidate for the Graduate Diploma in Creative Writing who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

Syllabuses

See Master of Arts (Creative Writing) for syllabus details

Graduate Certificate in Educational Studies

This award does not qualify the candidate for registration as a teacher. For the purposes of professional registration, a candidate must complete the Graduate Diploma in Education.

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: There will be no intake into this course in 2000

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Certificate in Educational Studies shall have qualified for a degree of the University or for a degree of another institution accepted for the purpose by the University.
- 1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions as it may see fit to impose in each case, accept as a student for the Graduate Certificate a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of course

- 2.1 The course is offered on a part-time basis only. Except with the special permission of the Faculty the course for the Graduate Certificate must be completed in one year, or not more than four years of part-time study.

3 Course requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete subjects to the value of 12 points as follows:

3785 Australian Educational Issues	2
7432 Curriculum in its Context	2
5221 Professional Studies	2
5232 Social and Cultural Context of Learning	3
6227 Student- Teacher Interaction in the Classroom	3

4 Status, exemption and credit transfer

- 4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

- 4.3 In any case, no candidate will be awarded more than 6 points of status.

- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be two systems of classification of pass in subjects for the Graduate Certificate: either Non-Graded Pass, or Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned
(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the subject examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed

6 Articulation with other awards

- 6.1 Students who complete this course are also eligible to apply for entry to the Graduate Diploma in Education course, and be granted status for the work they have undertaken in the Graduate Certificate.
- 6.2 Students who have conferred upon them the award of Graduate Certificate in Educational Studies who subsequently satisfy the requirements of the Graduate Diploma in Education must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

- 6.3** A candidate for the Graduate Diploma in Education who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

Syllabuses

See Graduate Diploma of Education for syllabus details

Graduate Certificate in Environmental Policy, Planning and Management

Note: This course is under review. There will be no intake in 2000

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1** An applicant for admission to the course of study for the Graduate Certificate in Environmental Policy, Planning and Management shall have qualified for a degree of the University or for a degree of another institution accepted for the purpose by the University.
- 1.2** Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a student for the Graduate Certificate a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Status, exemption and credit transfer

- 2.1** Except by the special permission of the Director of the Mawson Graduate Centre for Environmental Studies, no student may gain status towards the Graduate Certificate for other studies undertaken in the University or other institutions.

3 Duration of course

- 3.1** Except with the special permission of the Faculty, to qualify for the Graduate Certificate a student shall satisfactorily complete a course of one semester of full-time study or not more than four consecutive semesters of part-time study.
- 3.2** Part-time students shall take the subject 9865 Environmental Policy and Planning Project in their final semester.

4 Qualification requirements

- 4.1** The course of study for the Graduate Certificate shall be made up of the compulsory subject Environmental Policy and Planning Project, together with three elective subjects.

5 Course of study/Subjects of study

All students shall satisfactorily complete the compulsory subject:

9865 Environmental Policy and Planning Project	3
Students shall complete elective subjects to the value of 9 points taken from the following:	
4079 Ecofeminist Theory and Politics	3
7766 Ecotourism: Opportunities and Impacts	3
1716 Educating for the Environment	3
7007 Environmental Earth Science	3
9474 Environmental Hazards	3
8865 Environmental Impact Assessment (Env.St)	3
7420 Environmental Organisation and Activism	3
2005 Environmental Politics	3
8249 Environmental Restoration and Rehabilitation	3
1683 Environmental Risk Management	3
3216 Environmental Systems Management	3
2056 Environmental Writing	3
4550 Gender, Environment, Development	3
5941 History, Philosophy and Ethics of Environmentalism	3
6631 Managing Coastal Environments	3
8375 Practical Environmentalism	3
1201 Principles of Environmental Science	3
9873 Special Topic in Environmental Management	3
2667 Special Topic in Environmental Planning	3
7888 Special Topic in Environmental Policy	3
8594 Special Topic in Environmental Science	3

2267 Special Topic in Environmental Studies	3
2124 Urban Environments	3

6 Review of academic progress

- 6.1 A student who fails a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe.
- 6.2 A student who has twice failed a subject may not enrol for that subject again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.
- 6.3 For the purposes of this clause a student who is refused permission to be assessed, by examination or otherwise, or who does not, without a reason accepted by the Director of the Mawson Graduate Centre of Environmental Studies as adequate, attend all or part of a final examination (or supplementary examination if granted) after having enrolled for at least two thirds of the normal period during which the subject is taught, shall be deemed to have failed the subject.

7 Assessment and examinations

- 7.1 There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

Syllabuses

9865 Environmental Policy and Planning Project

3 points not offered in 2000

1 hour workshop per week

This subject will require students to compete a policy or planning document relevant to a selected environmental management issue.

assessment: to be advised

Note: see Master of Environmental Studies for other syllabus details

Graduate Certificate in Environmental Studies

Note: this course is under review

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1** An applicant for admission to the course of study for the Graduate Certificate in Environmental Studies shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.
- 1.2** The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of course

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than two years of part-time study.

3 Course requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete subjects to the value of 12 points, as follows:

3.1 Core subjects

All candidates shall complete one subject from either of the following two groups of subjects:

Environmental History and Philosophy Group

- 5941 History and Philosophy of Environmentalism 3
- 1722 Special Topic in Environmental History and Philosophy 3

Environmental Science Group

- 1201 Principles of Environmental Science 3
- 8594 Special Topic in Environmental Science 3

3.2 Elective subjects

All candidates shall complete elective subjects to the value of 9 points selected from the following Environmental Policy, Planning and Management Group of subjects:

- 4079 Ecofeminist Theory and Politics 3
- 7766 Ecotourism: Opportunities and Impacts 3
- 1716 Educating for the Environment 3
- 2550 Environmental Earth Science 3
- 1865 Environmental Futures: Local/Global Sustainability 3
- 9474 Environmental Hazards 3
- 8865 Environmental Impact Assessment (Env.St.) 3
- 7420 Environmental Organisation and Activism 3
- 2005 Environmental Politics 3
- 8249 Environmental Reconstruction and Rehabilitation 3
- 1683 Environmental Risk Management 3
- 3216 Environmental Systems Management 3
- 2056 Environmental Writing 3
- 4550 Gender, Environment, Development 3
- 6631 Managing Coastal Environments 3
- 8375 Practical Environmentalism 3
- 9873 Special Topic in Environmental Management 3
- 2667 Special Topic in Environmental Planning 3
- 7888 Special Topic in Environmental Policy 3
- 2267 Special Topic in Environmental Studies 3
- 2124 Urban Environments 3

- 3.3** No candidate will be permitted to count for the Graduate Certificate any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

- 4.1 A candidate normally would not be granted status for any subject which he or she has completed for another award.
- 4.2 A candidate who fails a subject and is allowed to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Certificate:

Pass with High Distinction
Pass with Distinction
Pass with Credit *and*
Pass.

- 5.2 (a) A candidate shall not be eligible to be assessed, by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to be assessed, by examination or otherwise, shall be deemed to have failed the subject.

6 Review of academic progress

A candidate for the Graduate Diploma in Environmental Studies who satisfies the requirements for the Graduate Certificate but who does not complete the requirements for the Graduate Diploma may be admitted to the Graduate Certificate.

Syllabuses

See Master of Environmental Studies for syllabus details

Graduate Certificate in International Studies

This award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with the General Course Rules as well as the Specific Course Rules below, they are advised to refer to them to understand their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Certificate in International Studies shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of course

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than one year of part-time study.

3 Course requirements

To qualify for the Graduate Certificate a candidate shall satisfactorily complete subjects to the value of 12 points as follows:

Core subject

3094 Graduate International Studies A 6

Elective subjects

any one of the following subjects

8414 Graduate International Studies B 6

9083 International Studies IVA 6

5618 International Studies IVB 6

3.2 No candidate will be permitted to count for the Graduate Certificate any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.

4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

4.3 In any case, no candidate will be awarded more than 6 points of status.

4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

5.1 There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

6.1 Students who complete this course are also eligible to apply for entry to the Graduate Diploma in International Studies course, and be granted status for the work they have undertaken in the Graduate Certificate.

6.2 Students who have conferred upon them the award of Graduate Certificate in International Studies who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

- 6.3 A candidate for the Graduate Diploma in International Studies who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

Syllabuses

See Master of Arts (International Studies) for syllabus details

Graduate Certificate in Labour Studies

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1** An applicant for admission to the course of study for the Graduate Certificate in Labour Studies shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.
- 1.2** The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of course

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than two years of part-time study.

3 Course requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete subjects to the value of 12 points as follows:

3.1 Core subjects

All candidates shall complete one of the following coursework subjects:

5565	Labour Movements IV	6
2822	Labour Strategies IV	6
3649	Political Economy of Globalisation IV	6
7489	Social and Labour Research IV	6
8506	Theorising Work and Society IV	6

3.2 Elective subjects

All candidates shall complete elective subjects to the value of at least 6 points chosen from the core subjects listed in 4.1 or the following:

5718	International Political Economy IV	6
6112	Labour Market Studies IV	6
4657	Labour Research Networking IV	6
3210	Learning and the Workplace	3

1598	Learning and the Work Place IV	4
3368	Managing Education for Work	3
1882	Managing Education for Work IV	4
4894	Regional Industry Development	3
5194	Regional Industry Development IV	4
4688	Sustaining Regional Development	3
6322	Sustaining Regional Development IV	4

- 3.3** No candidate will be permitted to count for the Graduate Certificate any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

- 4.1** Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
- 4.2** Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3** In any case, no candidate will be awarded more than 6 points of status.
- 4.4** A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1** There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2** (a) A candidate shall not be eligible to attend for examination, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed

6 Articulation with other awards

6.1 Students who complete this course are also eligible to apply for entry to the Graduate Diploma in Labour Studies course, and be granted status for the work they have undertaken in the Graduate Certificate.

6.2 Students who have conferred upon them the award of Graduate Certificate in Labour Studies who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

6.3 A candidate for the Graduate Diploma in Labour Studies who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate

Syllabuses

See Master of Arts (Labour Studies) for syllabus details

Graduate Certificate in Language Education

Note: There will be no intake into this course in 2000.

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1** An applicant for admission to the course of study for the Graduate Certificate shall have qualified for a degree of the University and a Graduate Diploma in Education of the University, or hold qualifications from another institution accepted by the University for the purpose.
- 1.2** Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a student for the Graduate Certificate a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Status, exemption and credit transfer

- 2.1** Except by the special permission of the Head of the relevant department, no student may gain status towards the Graduate Certificate for other studies undertaken in the University or other institutions.

3 Duration of course

- 3.1** Except with the special permission of the Faculty, the course for the Graduate Certificate shall be completed in one semester of full-time study or not more than two years of part-time study.

4 Qualification requirements

4.1 Advanced French:

All students shall take subjects to the value of 12 points, comprising the compulsory subjects 1526 Aspects of Culture and Society in French-Speaking Countries (4 points) and 1373 Issues in Second Language Learning and Curriculum (4 points) together with an elective subject to the value of 4 points.

- 4.2** The Faculty may, on the recommendation of the Department of French, require suitably qualified native-speaking candidates to take the subject 1133 Special Project in French Teaching or French Culture as an alternative to the subject

2171 Advanced Language: Written and Oral Proficiency.

4.3 Advanced German:

All students shall complete subjects to the value of twelve points comprising the compulsory subjects 8060 Survey of German-Speaking Countries Today (three points) and 3333 Strategies and Materials in Teaching German (four points) together with five points of elective subjects.

- 4.4** The Faculty may, on the recommendation of the Department of German, require suitably qualified native-speaking candidates to take the subject 5647 Special Project in German Teaching as an alternative to the subjects 2626 Advanced Language (German) and 8589 German Conversation Tutorial.

4.5 Applied Linguistics

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete the subjects outlined in 6.3 below, with an aggregate points value of twelve points

5 Course of study/Subjects of study

5.1 Advanced French

5.1.1 Compulsory subjects

All students shall take the following subjects:

1526 Aspects of Culture and Society in French Speaking Countries	4
1373 Issues in Second Language Learning and Curriculum	4

5.1.2 Elective subjects

Candidates shall take (subject to the approval of the Faculty as outlined in 5.2 above):

either

2171 Advanced Language: Written and Oral Proficiency	4
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or

1133 Special Project in French Teaching or French Culture	4
---	---

Additional subjects may be offered at the discretion of the Council.

5.2 Advanced German

5.2.1 Compulsory subjects

All candidates shall take the following subjects:

8060 Survey of German-Speaking Countries Today	3
3333 Strategies and Materials in Teaching German	4

5.2.2 Elective subjects

Candidates shall take (subject to the approval of the Faculty, as outlined in 5.2 above):

either

2626 Advanced Language (German)	3
8589 German Conversation Tutorial	2

or

5647 Special Project in German Teaching	5
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Additional subjects may be offered at the discretion of the Council.

5.3 Applied Linguistics

The subjects of the Graduate Certificate in Language Education (Applied Linguistics) are the following:

1138 Language and Learning (Applied Linguistics)	4
6555 Language Awareness	4
4017 Practical Linguistic Analysis	2
5959 Language Teaching	2

Additional subjects may be offered at the discretion of the Council.

6 Review of academic progress

- 6.1 A student who fails a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe.
- 6.2 A student who has twice failed a subject may not enrol for that subject again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.
- 6.3 For the purposes of this clause a student who is refused permission to be assessed, by examination or otherwise, or who does not, without a reason accepted by the Head of the Department of French Studies as adequate, attend all or part of a final examination (or supplementary examination if granted) after

having enrolled for at least two thirds of the normal period during which the subject is taught, shall be deemed to have failed the subject.

7 Assessment and examinations

- 7.1 There shall be two systems of classification of pass in any subject for the Graduate Certificate: Non-Graded Pass; or Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

Syllabuses

Advanced French

The Department of French Studies, in cooperation with the Department of French at Flinders, offers a Graduate Certificate in Language Education (Advanced French). The aim of the course is to enable practising teachers of French to enhance their language skills and to further their professional development.

The language of instruction in all subjects will be French.

1526 Aspects of Culture and Society in French Speaking Countries

4 points not offered in 2000

2 weeks intensive study during school vacations

Explores central cultural and social issues in France and French speaking countries today. It will focus on five themes: La Vème république; Les médias en France; L'immigration; L'Europe; La francophonie. Films and novels, the press and television will be discussed in relation to these aspects.

assessment: assignment/s 60%; examination 40%

1373 Issues in Second Language Learning and Curriculum

4 points not offered in 2000

2 weeks of intensive study during school vacation

The subject examines current research in second language acquisition; to examine curriculum design for language teaching; to develop practical strategies and resources for teaching French.

It will focus on language use in the classroom and different types of interaction; it will include the principles and practice of syllabus and program design; the development and use of resources for teaching French; procedures for monitoring and assessing students progress. This subject will be offered as a common component with the Graduate Certificate in Language Education (Applied Linguistics) and will involve French staff for the language specific issues.

assessment: portfolio including reports on topics covered in course

2171 Advanced Language: Written and Oral Proficiency

4 points not offered in 2000

2 lectures a week

The subject aims to develop communicative competence in the form of general linguistic proficiency. Participants who complete the course successfully may expect to be able to operate more

effectively in the four skills (reading, listening, speaking and writing) and in particular to integrate them as in real life. These skills are not developed in isolation but in the context of those issues which are of most importance in understanding contemporary French-speaking societies. The issues are closely coordinated in a rational framework corresponding to the recommendations of En fin de Compte. This course book was awarded the National Prize for excellence in all foreign language teaching in the UK in 1990.

assessment: active classroom participation, 10 500 word assignments, 30 minute oral exam

1133 Special Project in French Teaching or French Culture

4 points not offered in 2000

1 hour a week

The Special Project is an alternative to 2171 Advanced Language: Written and Oral Proficiency and replaces this subject for students with advanced language skills. It consists of an individual project on some aspect of French culture relevant to the secondary syllabus. It may be based on the student's own teaching needs or experience and could involve the preparation of a monograph which would be of use to other teachers with their classes. The project will be done under a supervisor and the discussion will be conducted in French.

For those who would prefer to do their Special Project on issues in language learning and curriculum, they are advised to join the Classroom Research Subject in Applied Linguistics which will be offered by the University of Adelaide.

assessment: extended 6000 word essay

Advanced German

The language of instruction in all subjects will be German.

8060 Survey of German-Speaking Countries Today

3 points not offered in 2000
2 lectures a week

The aim of this subject is to treat many of the central social, cultural and political issues in German-speaking countries today. The unification of the two Germanies will be the major object of study, with comparisons with and contrasts to Austria and Switzerland. Topics surveyed will include the importance of the European Community, the changing relationships of the Western countries to Central and Eastern Europe and major political parties. There will also be discussion of the revolution in and disappearance of the GDR, of problems encountered by individuals when they try to enjoy their guaranteed freedoms, and of the difficulties caused by and for ethnic German migrants, asylum-seekers, and other outsider groups. The particular concerns of women, environmentalists and the need to develop and adapt educational systems will also be discussed. The survey will use material from newspapers, journals, radio and television to illustrate and inform the discussion.

assessment: essay 60%; semester work 40%

3333 Strategies and Materials in Teaching German

4 points not offered in 2000
2 lectures a week

This subject deals with language teaching methodology in a very practical sense. It will concentrate on the practical aspects of teaching German as a foreign language in a school setting: ways of establishing the needs of learners; analysing and evaluating existing materials (ie the textbooks most widely used in SA); criteria for the development of new materials; preparing exercises for specific communicative needs.

The subject will rely heavily on the experience and contributions of the participants, because improving our language teaching methods is as much a cooperative exercise as language learning itself.

assessment: essay 60%; semester work 40%

2626 Advanced Language (German)

3 points not offered in 2000
2 lectures a week

The aim of this subject is to upgrade existing language skills by written and oral work in modern German at an advanced level. The subject will emphasise linguistic problems encountered in the classroom situation and recent changes in usage in German. The alternative to this subject for students already having substantially these skills is the Special Project.

assessment: exam 50%; classwork 50%

8589 German Conversation Tutorial

2 points not offered in 2000
1 tutorial a week

The aim of this subject is to upgrade existing fluency and conversational skills in modern everyday German by intensive oral work in small groups. Special attention will be given to topics of current cultural, political and social interest and to recent changes in spoken German idioms. The alternative to this subject for students already having substantially these skills is the Special Project.

assessment: participation

5647 Special Project in German Teaching

5 points not offered in 2000
1 hour a week average

The Special Project is an alternative to both 2626 Advanced Language and 8589 German Conversation Tutorial and replaces these subjects for those students who already have substantially those language skills. It consists of an individual project embodying research into some aspect of German Language Teaching Methodology, or a related field acceptable to the Department, and may be based on the student's own teaching experience. A supervisor will be assigned to the project and individual guidance sessions will take place on a regular basis. Supervision will be conducted in German.

assessment: extended 6000 word essay

Applied Linguistics

1138 Language and Learning (Applied Linguistics)

4 points not offered in 2000

1 lecture, 1 tutorial a week

The aim of this subject is to introduce current research in second language acquisition. The course will include: introduction to the nature and functions of language; research on language development; the role of instruction; language learning strategies; contrastive linguistics, error analysis and inter-language approaches to second language studies.

assessment: 4000 word essay 60%; assignments 40%

6555 Language Awareness

4 points not offered in 2000

1 lecture, 1 tutorial a week

The aim of this subject is to alert students to the social, political and psychological context of a range of languages other than English. Particular emphasis will be placed on official language policies in Australia and their implications for language teaching.

assessment: 4000 word essay 60%; assignments 40%

4017 Practical Linguistic Analysis

2 points not offered in 2000

1 lecture per fortnight; 1 practical per week

This subject aims at providing students with the essence of traditional school grammar and practical skills in linguistic analysis and error analysis.

assessment: 4000 word essay 60%; assignments 40%

5959 Language Teaching

2 points not offered in 2000

1 lecture, 1 tutorial a week

This subject will familiarise learners with a number of methods and techniques used in the second language classroom. It will address the technological resources currently available and show how they can be integrated with the learning process.

assessment: research report 60%; assignments 40%

Graduate Certificate in Logic

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1** An applicant for admission to the course of study for the Graduate Certificate in Logic shall have qualified for a degree of the University or for a degree of another institution accepted for the purpose by the University, which includes a pass in Logic I or an equivalent subject.
- 1.2** Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions as it may see fit to impose in each case, accept as a student for the Graduate Certificate a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of the Award

To qualify for the Graduate Certificate a student shall satisfactorily complete a course of one semester of full-time study or not more than one year of part-time study.

3 Course requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete subjects to the value of 12 points as follows:

3.1 Core Subjects

All students shall complete the following subject:

3402 Advanced Logic A (PG) 6

(Students who are exempted from studying the subject 3402 Advanced Logic A (PG) due to having previously completed 4259 Logic IIIA or its equivalent will be required to present a further 6 points of elective subjects listed in 6.1.2 in lieu of this requirement)

3.2 Elective Subjects

2614 Advanced Logic B (PG) 2
7665 Argument (PG) 4
1619 Artificial Intelligence (PG) 2
1998 Intermediate Logic (PG) 4
2254 Knowledge Representation (PG) 2

Flinders University Subjects:

Subject to approval the Head of Department, students may include certain subjects available through Flinders University

4 Status, exemption and credit transfer

- 4.1** Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
- 4.2** Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3** In any case, no candidate will be awarded more than 6 points of status.
- 4.4** A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1** There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2** (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3** A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.
- #### 6 Articulation with other awards
- 6.1** Students who complete this course are also eligible to apply for entry to the Graduate Diploma in Logic course, and be granted status

for the work they have undertaken in the Graduate Certificate

- 6.2 Students who have conferred upon them the award of Graduate Certificate in Logic who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.
- 6.3 A candidate for the Graduate Diploma in Logic who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

Syllabuses

syllabus details: see Master of Logic

Graduate Certificate in Philosophy

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1** An applicant for admission to the course of study for the Graduate Certificate in Philosophy shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University, having satisfactorily completed the equivalent of at least 6 points of Philosophy at level I.
- 1.2** The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of course

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than one year of part-time study.

3 Course requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete subjects to the value of 12 points, as follows:

- 3.1** All candidates shall complete two of the following subjects:
- | | |
|--|---|
| 9673 Metaphysics (PG) | 6 |
| 4708 Epistemology (PG) | 6 |
| 9522 Modern Moral Philosophy (PG) | 6 |
| 4482 Political and Legal Philosophy (PG) | 6 |
- 3.2** No candidate will be permitted to count for the Graduate Certificate any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award. Intending students must consult with the Head of Department to discuss their proposed course of study.

4 Status, exemption and credit transfer

- 4.1** Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
- 4.2** Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3** In any case, no candidate will be awarded more than 6 points of status.
- 4.4** A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1** There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2** (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3** A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

- 6.1** Students who complete this course are also eligible to apply for entry to the Graduate Diploma in Philosophy course, and be granted status for the work they have undertaken in the Graduate Certificate.

- 6.2 Students who have conferred upon them the award of Graduate Certificate in Philosophy who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.
- 6.3 A candidate for the Graduate Diploma in Philosophy who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

Syllabuses

See Master of Arts (Philosophy) for syllabus details

Graduate Certificate in Population Studies

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1. Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Certificate in Population Studies shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.
- 1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2. Duration of course

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than one year of part-time study.

3. Course requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete subjects to the value of 12 points as follows:

3.1 either

(a)	1556	Population Data Analysis	4
	2924	Computer Applications in Population Studies	4

and one subject chosen from the following:

(b)	3790	Population Studies	4
	5678	Ageing of Populations	4
	4024	Demography of the Family	4
	1762	Applied Demography	4

or

Any three subjects chosen from those listed in Rule 3.1(b) above.

4. Status, exemption and credit transfer

- 4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award

- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

- 4.3 In any case, no candidate will be awarded more than 6 points of status.

- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5. Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed

6. Articulation with other awards

- 6.1 Students who complete this course are also eligible to apply for entry to the Graduate Diploma in Population and Human Resources course, and be granted status for the work they have undertaken in the Graduate Certificate.

- 6.2 Students who have conferred upon them the award of Graduate Certificate in Population Studies who subsequently satisfy the requirements of the Graduate Diploma in Population and Human Resources must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

- 6.3** A candidate for the Graduate Diploma in Population and Human Resources who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

Syllabuses

See Master of Arts (Population and Human Resources) for syllabus details

Graduate Certificate in Public Affairs

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1. Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Certificate in Public Affairs shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.
- 1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate

2. Duration of course

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than one year of part-time study.

3. Course requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete subjects to the value of 12 points as follows:

1883 Approaches to Policy	6
1592 Australian Public Policy: Challenge of Change	6

4. Status, exemption and credit transfer

- 4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3 In any case, no candidate will be awarded more than 6 points of status.
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the

subject to the satisfaction of the teaching staff concerned.

5. Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6. Articulation with other awards

- 6.1 Students who complete this course are also eligible to apply for entry to the Graduate Diploma in Public Affairs course, and be granted status for the work they have undertaken in the Graduate Certificate.
- 6.2 Students who have conferred upon them the award of Graduate Certificate in Public Affairs who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.
- 6.3 A candidate for the Graduate Diploma in Public Affairs who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate

Syllabuses

See Master of Arts (Public Affairs) for syllabus details

Graduate Certificate in Social Sciences

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1. Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Certificate in Social Sciences shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.
- 1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2. Duration of course

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than one year of part-time study.

3. Course requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete subjects to the value of 12 points as follows:

3.1 Core subjects

4462 Approaches to Social Sciences
Research (4 pt) 4

or

4226 Approaches to Social Sciences
Research (6 pt) 6

and

- 3.2 core subjects available in the following Social Sciences graduate coursework degrees in the Faculty of Arts: Applied Linguistics, Cognitive Science, Educational Studies, Environmental Studies, International Studies, Labour Studies, Philosophy, Population and Human Resources, Spatial Information Science and Women's Studies.

- 3.3 No candidate will be permitted to count for the Graduate Certificate any subject that, in the opinion of the Faculty, contains substantially the

same material as any other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

- 4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3 In any case, no candidate will be awarded more than 6 points of status.
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

6. Articulation with other awards

- 6.1 Students who complete this course are also eligible to apply for entry to the Graduate Diploma in Social Sciences course, and be granted status for the work they have undertaken in the Graduate Certificate.
- 6.2 Students who have conferred upon them the award of Graduate Certificate in Social Sciences who subsequently satisfy the requirements of the

Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

- 6.3 A candidate for the Graduate Diploma in Social Sciences who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

Syllabuses

See Master of Social Sciences for syllabus details

Graduate Certificate in Spatial Information Science

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Certificate in Spatial Information Science shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.
- 1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate

2 Duration of course

to qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than one year of part-time study.

3 Course requirements

- 3.1 To qualify for the Graduate Certificate, a candidate shall satisfactorily complete subjects to a total of 12 points, as follows:

6155 Introduction to Spatial Data Models	3
4613 Introduction to Spatial Information Systems	3
5107 Spatial Data Modelling & Analysis	3
3088 Spatial Data Visualisation	3
Alternative subjects may be made available as appropriate, depending on students' previous study or employment history.	
5309 Special Topic in Spatial Data Models	3
4294 Special Topic in Spatial Information Systems	3
7909 Special Topic in Spatial Data Modelling & Analysis	3
7837 Special Topic in Spatial Data Visualisation	3

4 Status, exemption and credit transfer

- 4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3 In any case, no candidate will be awarded more than 6 points of status.
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

6 Articulation with other awards

- 6.1 Students who complete this course are also eligible to apply for entry to the Graduate Diploma in Spatial Information Science course, and be granted status for the work they have undertaken in the Graduate Certificate.
- 6.2 Students who have conferred upon them the award of Graduate Certificate in Spatial Information Science who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

- 6.3** A candidate for the Graduate Diploma in Spatial Information Science who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

Syllabuses

See Master of Spatial Information Science syllabus details

Graduate Certificate in Women's Studies

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Certificate in Women's Studies shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of course

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than one year of part-time study.

3 Course requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete subjects to the value of 12 points, as follow:

3.1 Core subject

5528 Theories of Feminism 6

3.2 Elective subjects

9410 Australian Feminist History:
A Survey 6

3612 Autobiographical Writings 6

4434 Exploring Sexualities 6

3919 Gender in a Post Colonial World IV 6

2649 Development (Women's Studies) 6

2360 Gender Relations and Social Policy 6

7089 Gender Work and Society PG 6

4588 Film, Feminism and Psychoanalysis PG 6

5756 Power and Difference: Post Colonial
Perspectives PG 6

9008 Women's Studies Special Topic 6

Graduate level subjects offered in Women's Studies at the Flinders University of South Australia also may be included.

3.3 No candidate will be permitted to count for the Graduate Certificate any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.

4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

4.3 In any case, no candidate will be awarded more than 6 points of status.

4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

5.1 There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

6 Articulation with other awards

6.1 Students who complete this course are also eligible to apply for entry to the Graduate

Diploma in Women's Studies course, and be granted status for the work they have undertaken in the Graduate Certificate.

- 6.2 Students who have conferred upon them the award of Graduate Certificate in Women's Studies who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.
- 6.3 A candidate for the Graduate Diploma in Women's Studies who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

Syllabuses

See Master of Arts (Women's Studies) for syllabus details

International Graduate Certificate in Environmental Management

This course is offered jointly with the United Nations Environment Program, and is currently available to students enrolled through the Ngee Ann – Adelaide Education Centre.

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the International Graduate Certificate in Environmental Management shall have qualified for a degree of the University or for a degree of another university or institution accepted for the purpose by the University; and have at least two years' professional experience in environmental management or other cognate areas.
- 1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions as it may see fit to impose in each case, accept as a student for the International Graduate Certificate a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the International Graduate Certificate

2 Duration of course

- 2.1 To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or not more than one year of part-time study.

3 Course requirements

To qualify for the International Graduate Certificate in Environmental Management, a candidate shall satisfactorily complete subjects to the value of 12 points as follows:

7492 Environmental Impact Assessment (Int)	3
8669 Environmental Management Systems and Audit	3
2666 Environmental Project Management	3
6884 Policy Building for Sustainable Development	3

4 Status, exemption and credit transfer

- 4.1 Except with special permission of the Faculty, no candidate will be granted status for any

subject which he or she has completed for another award.

- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3 In any case, no candidate will be awarded more than 6 points of status.
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of the Faculty concerned, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned
(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

Syllabuses

See Master of Environmental Management for syllabus details

Graduate Diploma in Applied Demography

This award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with the General Course Rules as well as with the Specific Course Rules set out below, they are advised to refer to them to understand their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Diploma in Applied Demography shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.
- 1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or not more than two years of part-time study.

3 Course requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete subjects to the value of 24 points, as follows:

3.1 Core subjects

9052 Applications of Demography	3
5628 Computer Applications in Demography	3
4101 Demographic Projections and Forecasts	3
2837 Introduction to Demography	3

3.2 Elective subjects

12 points selected from the following:

2767 Family Demography	3
2674 Households and Housing	3
2296 International Migration	3
3726 Labour Market Information Systems	3
3750 Mortality and Morbidity	3
4187 Population Ageing	3
3171 Population Mobility and Internal Migration	3
5082 Small Area Demographic Data	3

4 Status, exemption and credit transfer

- 4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3 In any case, no candidate will be awarded more than 6 points of status, except for those candidates who have qualified for the Graduate Certificate in Applied Demography (see Rule 6 below).
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned
(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

- 6.1 A candidate for the Graduate Diploma in Applied Demography who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

- 6.2** A candidate who has been admitted to the Graduate Certificate in Applied Demography and who subsequently satisfies the requirements for the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.
- 6.3** A candidate for the degree of Master of Arts (Applied Demography) who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma

Syllabuses

See Master of Arts (Applied Demography) for syllabus details

Graduate Diploma in Applied Historical Studies

This award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with the General Course Rules as well as the Specific Course Rules below, they are advised to refer to them to understand their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Diploma in Applied Historical Studies shall have qualified for a degree of the University or for a degree of another institution accepted for the purpose by the University.

1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions as it may see fit to impose in each case, accept as a student for the Graduate Diploma a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

2.1 Except with the special permission of the Head of Department of History, the course for the Graduate Diploma shall be completed in one year of full-time study or not more than two years of continuous part-time study.

3 Course requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete subjects to the value of 24 points as follows:

6132 Public History: Principles and Practice	6
5935 Heritage and History in Contemporary Australia	6
2850 Practical History Workshop I	6
1303 Practical History Workshop II	6

4 Status, exemption and credit transfer

4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.

4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

4.3 In any case, no candidate will be awarded more than 6 points of status, except for those candidates who have completed the Graduate

Certificate in Applied Historical Studies (see Rule 6 below).

4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

5.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

6.1 A candidate for the Graduate Diploma in Applied Historical Studies who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

6.2 A candidate who has been admitted to the Graduate Certificate in Applied Historical Studies and who subsequently satisfies the requirements for the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

6.3 A candidate for the degree of Master of Arts (Applied Historical Studies) and who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate

Diploma may be admitted to the Graduate Diploma.

Syllabuses

See Master of Arts (Applied Historical Studies) for syllabus details

Graduate Diploma in Applied Linguistics

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Diploma in Applied Linguistics shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or not more than four years of part-time study.

3 Course requirements

To qualify for the Graduate Diploma, a candidate shall have passed at least one full year of any language other than English (LOTE) at tertiary level, or the equivalent, and satisfactorily complete subjects to the value of 24 points, as follows:

3.1 Core subject

All candidates, except those covered by clauses 4.4 and 4.5 below, shall complete the following subjects:

2207 Foundations of Linguistics IV A	6
9836 Foundations of Linguistics IV B	6
5066 Language other than English (if required)	0

3.2 Elective subjects

All candidates, except those who have completed the Graduate Certificate, shall complete elective subjects to the value of 12 points chosen selected from the following:

3305 Advanced English Language Development for Educational and Academic Purposes	3
8500 Australian Cultural Studies (Linguistics) IV	6
7556 Computer Assisted Language Learning IV	6
8766 Computer Assisted Language Learning Project IV	6
8992 Computer Assisted Language Learning A	3
7347 English as a Foreign Language Teaching Methods	3
2030 English for Professional Purposes IV	6
English Language Teaching in Specific Settings A	3
8217 Functional Grammar and Discourse IV	6
8538 Kaurna Language and Language Ecology IV	6
1170 Language and the Environment IV	6
5115 Language Cognition and Reality IV	6
4306 Language Maintenance and Language Planning IV	6
6933 New Literatures in English IV	6
7054 Special Topic in Linguistics IV	6

3.3 No candidate will be permitted to count for the Graduate Diploma any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.

4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

4.3 In any case, no candidate will be awarded more than 6 points of status, except for those candidates who have completed the Graduate

Certificate in Applied Linguistics. (see Rule 6 below).

- 4.4 Students who have successfully completed *Foundations of Linguistics II* or *III* in an undergraduate degree will be exempt from the core topics and will substitute two additional electives.
- 4.5 Any candidate who has not passed a language other than English (LOTE) subject at tertiary level is required also to complete one year of study in a LOTE concurrently with the requirements of Rule 3 of the award.
- 4.6 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed

6 Articulation with other awards

- 6.1 A candidate for the Graduate Diploma in Applied Linguistics who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.
- 6.2 A candidate who has been admitted to the Graduate Certificate in Applied Linguistics and who subsequently satisfies the requirements for the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

- 6.3 A candidate for the degree of Master of Arts (Applied Linguistics) who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

Syllabuses

See Master of Arts (Applied Linguistics) for syllabus details

Graduate Diploma in Asian Studies

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Diploma in Asian Studies shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or not more than four years of part-time study.

3 Course requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete subjects to the value of 24 points, as follows:

3.1 Core subjects

All candidates shall complete the following subjects:

3480 Asian Studies Research Project 6

3.2 Elective subjects

All candidates shall complete elective subjects to the value of 18 points selected from the following:

8079 Arts and Cultures of Asia 6

8172 Asia Today 6

1827 Asian Studies (core topic) 4

9770 Australia and the Asia Pacific III 6

1954 Contemporary China: Politics and Society 6

6510 Contemporary Japan: Economy and Society 6

9803 Contemporary Japan: Politics and Society 6

3195 Development Economics 4

6114 Early China: Sages and Shamans 6

9170 East Asian Capitalism 6

1802 East Asian Economies 4

1706 Enter the Dragon: Chinese Business in Asia 6

1514 Environment and Development in Southeast Asia 6

6179 Foundations of Chinese Thought 6

3409 Imperial China: Glory and Fall 6

8343 Introduction to Chinese Society and Culture 3

3601 Introduction to Japanese Society and Culture 3

8455 Japanese Society: Development and the Environment 6

9272 International Economic History 4

8100 Politics and Foreign Policy in Contemporary Japan 6

7043 The Chinese Economy: Growth, Trade and Development 6

5884 The Making of Modern Indonesia 6

2979 The Political Economy of the Global Village 6

3038 The Southeast Asian Past 6

4936 The State of the World 6

and/or a minimum of 6 points in Chinese, Indonesian, Japanese or Vietnamese language, depending on the candidate's level of ability.

3.3 No candidate will be permitted to count for the Graduate Diploma any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

4.1 No candidate shall be granted status for 3480 Asian Studies Research Project.

4.2 No candidate shall be granted status for subjects with a total value of more than 12 points.

4.3 No candidate shall be granted status for subjects which have been presented for another award.

5 Assessment and examinations

5.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

Syllabuses

3480 Asian Studies Research Project

6 points

semester 1 or 2

Except with the permission of the Head of Department, this subject will be undertaken after the elective subjects have been completed. Candidates will develop an appropriate project in consultation with their supervisor. The project will normally be related to the candidate's professional work.

assessment: 8-10000 word project

All other elective subjects

See entries under Asian Studies in the Bachelor of Arts

Graduate Diploma in Chinese Studies

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Diploma in Chinese Studies shall have qualified for a degree of the University or for a degree of another institution accepted for the purpose by the University.
- 1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a student for the Graduate Diploma a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

- 2.1 To qualify for the Graduate Diploma a student shall satisfactorily complete a course of one year of full-time study or not more than four years of part-time study.

3 Course requirements

3.1 Chinese Language subject

All students shall satisfactorily complete either:

6604 Advanced Chinese (Graduate Diploma) 6
or

one year of Chinese language appropriate to their level of competence after consultation with the Head of the Centre for Asian Studies.

3.2 Research subject

All students shall satisfactorily complete

4682 Special Topic in Chinese Studies IV 6

3.3 Electives

Students shall complete elective subjects to the value of six or twelve points, depending on the language subjects they have undertaken from the following:

semester subjects

2794 China: from Empire to Communist Power III 12
1954 Contemporary China: Politics and Society III 6

6114 Early China: Sages and Shamans III 6
9170 East Asian Capitalism III 6
1802 East Asian Economies II 4
1706 Enter the Dragon: Chinese Business in Asia III 6
3409 Imperial China: Glory and Fall 1300-1900 III 6
7043 The Chinese Economy: Growth, Development and Trade III 6

4 Status, exemption and credit transfer

- 4.1 Except by the special permission of the Head of the Centre for Asian Studies, no student may gain status for the Chinese Language subject, or for the research subject 4682 Special Topic in Chinese Studies for other studies undertaken in the University or other institutions.
- 4.2 No student may be granted more than 12 points of status toward the Graduate Diploma.
- 4.3 Status will not be granted for elective subjects for Level III Asian Studies subjects undertaken as part of an undergraduate award.

5 Review of academic progress

- 5.1 A student who fails a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe.
- 5.2 A student who has twice failed a subject may not enrol for that subject again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.
- 5.3 For the purposes of this clause a student who is refused permission to be assessed, by examination or otherwise, or who does not, without a reason accepted by the Head of the Centre for Asian Studies as adequate, attend all or part of a final examination (or supplementary examination if granted) after having enrolled for at least two thirds of the normal period during which the subject is taught, shall be deemed to have failed the subject.

6 Assessment and examinations

- 6.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

Syllabuses

Chinese Language subjects

6604 Advanced Chinese (Graduate Diploma)

6 points semester 1

1.5 hours per week

prerequisite: Credit or higher in Chinese III or equivalent

Designed for students who have completed Advanced Chinese III or are fluent native speakers, the subject aims to advance proficiency in literary Chinese. The emphasis is on the study of traditional Chinese texts.

assessment: translation 20%; participation 20%; exam 60%

Note: See Bachelor of Arts for syllabus details for all other Chinese Language subjects

research subject

4682 Special Topic in Chinese Studies IV

6 points semester 1 or 2

Weekly supervision by a supervisor appointed by the Head of Centre

The subject consists of a research essay in candidate's area of interest, an annotated translation or other equivalent piece of work approved by Head of Centre.

assessment: 7000 word research essay, marked by two examiners in the Centre

elective subjects

2794 **China: From Empire to Communist Power III**

1954 **Contemporary China: Politics and Society III**

6114 **Early China: Sages and Shamans III**

9170 **East Asian Capitalism III**

1802 **East Asian Economies II**

1706 **Enter the Dragon: Chinese Business in Asia III**

6179 **Chinese Thought III**

3409 **Imperial China: Glory and Fall 1300-1900 III**

7043 **The Chinese Economy: Growth, Development and Trade**

See Bachelor of Arts for syllabus details

Graduate Diploma in Cognitive Science

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Diploma in Cognitive Science shall have qualified for a degree of the University incorporating major studies in one or more of the following disciplines: philosophy, psychology, linguistics, computer science, neurophysiology, neuroanatomy, mathematics; or have qualified for the Graduate Certificate in Cognitive Science, or for a degree of another institution accepted for the purpose by the University.

1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a student for the Graduate Diploma a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or not more than two years of part-time study.

3 Course requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete subjects to the value of 24 points as follows:

3.1 Core Subjects

1207 Cognitive Science: Minds, Brains and Computers IV	4
3275 Advanced Cognitive Science IV	4

(Students who are exempted from studying the subject 1207 Cognitive Science: Minds, Brains and Computers IV due to having previously completed either 8606 Cognitive Science: Minds, Brains and Computers II or 5086 Cognitive Science: Minds, Brains and Computers III, or equivalent, will be required to present a further 4 point elective subject listed in 6.1.2 in lieu of this requirement.)

3.2 Elective Subjects

16 points chosen from the following six groups of subjects, with no more than 8 points from any one group:

Group A Philosophy Subjects

8733 Issues in the Philosophy of Language IV	4
6655 Mental Representation, Consciousness and Self IV	4
3390 Logic IV	4

Group B Psychology Subjects

3400 Developmental Psychology IV	2
4308 Intelligence IV	2
8836 Mind Brain and Evolution IV	2
2679 Perception and Cognition IV	2
9292 Psychology of Language in Thought and Action IV	2
8299 Social Psychology IV	2

Group C Computer Science Subjects

8352 Artificial Intelligence IV	2
2340 Advanced Artificial Intelligence IV A (Computer Vision)	2
5042 Advanced Artificial Intelligence IV B (Machine Learning)	2

Group D Linguistics Subjects

4594 Foundations of Linguistic Theory IV	4
3355 Language, Cognition and Reality IV	6

Group E Histology and Anatomy Subjects

2967 Integrative and Comparative Neuroanatomy (CS) IV	4
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Group F Physiology Subjects

3155 Neurobiology IV	2
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The availability of some of the above elective subjects varies from year to year. Students should contact the relevant department(s) for information about subject availability over the projected period of their study program.

Many of these elective subjects have had their normal prerequisites waived for the purposes of this graduate program in Cognitive Science. However, students enrolling in these subjects are expected to do sufficient background reading to attain a basic understanding of the subject area. Prospective students should contact subject coordinators for information about appropriate background reading.

4 Status, exemption and credit transfer

- 4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3 In any case, no candidate will be awarded more than 6 points of status, except for those candidates who have completed the Graduate Certificate in Cognitive Science (see Rule 6 below).
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not enrol in that subject except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

- 6.1 A candidate for the Graduate Diploma in Cognitive Science who does not complete the requirements for the Graduate Diploma but

satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

- 6.2 A candidate who has been admitted to the Graduate Certificate in Cognitive Science and who subsequently satisfies the requirements for the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.
- 6.3 A candidate for the degree of Master of Cognitive Science who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Certificate.

Syllabuses

See Master of Cognitive Science for syllabus details

Graduate Diploma in Creative Writing

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1. Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Diploma in Creative Writing shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University, and present a suitable portfolio of creative writing..
- 1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2. Duration of course

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or not more than two years of part-time study.

3. Course requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete subjects to the value of 24 points, as follows::

4581 Advanced Work in Progress	8
4833 Creative Writing Study A	4
7019 Creative Writing Study B	4
4320 Work in Progress	8

4. Status, exemption and credit transfer

- 4.1 Except with special permission of Faculty, no candidate will be granted status for any subject which he or she has completed for another award
- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3 In any case, no candidate will be awarded more than 6 points of status, except for those candidates who have completed the Graduate Certificate in Creative Writing (see Rule 6 below).
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted

partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5. Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6. Articulation with other awards

- 6.1 A candidate for the Graduate Diploma in Creative Writing who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate
- 6.2 A candidate who has been admitted to the Graduate Certificate in Creative Writing and who subsequently satisfies the requirements for the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.
- 6.3 A candidate for the degree of Master of Arts (Creative Writing) who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

Syllabuses

See Master of Arts (Creative Writing) for syllabus details

Graduate Diploma in Education

This course aims to prepare intending secondary school teachers through the systematic study of various issues in Education. The course incorporates two blocks of supervised teaching in schools.

Applications for admission to this course shall be made through the South Australian Tertiary Admissions Centre (SATAC) on the appropriate form by the required date. Successful applicants to the course may not defer their studies to the following year.

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

As the course has undergone several structural changes in recent years, part-time students who commenced their course before 1997 will have suitable transitional arrangements determined for them at the time of enrolment.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Diploma in Education shall have qualified for a degree of the University or for a degree of another institution accepted for the purpose by the University.

2 Status, exemption and credit transfer

- 2.1 No student may be granted more than twelve points of status toward the Graduate Diploma for other studies undertaken in the University or other institutions.
- 2.2 A candidate who has had practical teaching experience may, after enrolment, apply in writing to the Graduate School of Education for status in teaching practice.

3 Duration of course

- 3.1 To qualify for the Graduate Diploma a student shall satisfactorily complete a course of one year of full-time study or up to six years of part-time study.

4 Qualification requirements

- 4.1 Students must successfully complete subjects to the value of 24 points comprising 6 points of Teaching Practice Subjects, 6 points of Curriculum and Methodology Subjects and 12 points of Education Studies Subjects.

5 Course of study/Subjects of study

5.1 Teaching practice

Teaching Practice subjects to the value of 6 points

5705 Teaching Practice Part I	3
9636 Teaching Practice Part II	3

5.2 Curriculum and Methodology

Curriculum and Methodology subjects to a value of six points taken from:

Humanities

6059 Social, Cultural and Australian Studies	2
3494 Geography Curriculum and Methodology	2
6149 History Curriculum and Methodology	2
2309 Legal Studies Curriculum and Methodology	2

The subjects appearing in this section cannot be taken without 6059 Social, Cultural and Australian Studies

Business

4134 Accounting Curriculum and Methodology	2
1464 Business Studies Curriculum and Methodology	2
4397 Economics Curriculum and Methodology	2

English

4721 General English Curriculum and Methodology	2
3439 Senior English Curriculum and Methodology	2

Performing Arts

9469 Classroom Music Curriculum and Methodology	3
6384 Instrumental Music Curriculum and Methodology	3

Languages other than English

8472	Language Methodology	3
3363	Modern Language Curriculum and Methodology	2
7374	Chinese Curriculum and Methodology	1
9075	English as a Second Language	1
6728	French Curriculum and Methodology	1
2735	German Curriculum and Methodology	1
7304	Indonesian Curriculum and Methodology	1
7815	Italian Curriculum and Methodology	1
1701	Japanese Curriculum and Methodology	1
8396	Other Languages Curriculum and Methodology	1
3323	Spanish Curriculum and Methodology	1
3574	Vietnamese Curriculum and Methodology	1

Mathematics

4212	Information Technology Curriculum and Methodology	2
9856	Junior Mathematics Curriculum and Methodology	2
2640	Senior Mathematics Curriculum and Methodology	2

Science

2459	Junior Science Curriculum and Methodology	2
4855	Biology Curriculum and Methodology	2
2918	Chemistry Curriculum and Methodology	2
2598	Physics Curriculum and Methodology	2

General

3779	Adult Learner Curriculum and Methodology	2
9063	Introduction to Curriculum Design and Evaluation	2
8345	Practical Curriculum Design	2
6797	Practical Curriculum Evaluation	2
6210	Extended Specialist Curriculum	2
6903	Specialist Curriculum	1

5.3 Education Studies

Education Studies subjects to a total value of 12 points as follows

7432	Curriculum in its Context	2
5232	Social and Cultural Context of Learning	3

6227	Student-Teacher Interaction in the Classroom	3
3785	Australian Educational Issues	2
5221	Professional Studies	2

6 Review of academic progress

- 6.1** A student who fails a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe.
- 6.2** A student who has twice failed a subject may not enrol for that subject again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.
- 6.3** For the purposes of this clause a student who is refused permission to sit for an examination, or who does not, without a reason accepted by the Head of the Department of Education as adequate, attend all or part of a final examination (or supplementary examination if granted) after having enrolled for at least two thirds of the normal period during which the subject is taught, shall be deemed to have failed the examination.

7 Assessment and examinations

- 7.1** There shall be one of two systems of classification of pass in individual subjects for the Graduate Diploma: either Non-Graded Pass, or Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

8 Articulation with other awards

- 8.1** Students who have been admitted to the award of Graduate Certificate in Educational Studies who subsequently successfully complete the requirements of the Graduate Diploma in Education must surrender their first award before being admitted to the Graduate Diploma in Education.
- 8.2** Notwithstanding the above Rules a candidate who has been enrolled for the degree of Graduate Diploma in Education and who has completed the work prescribed herein for the Graduate Certificate in Educational Studies and who has not been awarded the Graduate Diploma shall, on written application to the Faculty, be awarded the Graduate Certificate.

Syllabuses

course requirements

The Graduate Diploma is a composite course of full-time study lasting for one year and requiring the whole of a candidate's time to be devoted to it. The work consists of attendance at lecture courses, tutorial and seminar classes each week, such practical and written exercises as may be prescribed, visits to schools and other institutions, and periods of supervised teaching practice.

Part-time students may also enrol. While the major focus of the course has been on the preparation of secondary teachers, those involved, or intending to be involved, in higher, adult or tertiary education will find a degree of flexibility in the course which should cater for many of their needs. The part-time course may be completed over two to six years.

Teaching Practice subjects

5705 Teaching Practice Part I

3 points semester 1 or 2

pre/corequisites: at least one Curriculum and Methodology subject

Students will undertake one block of supervised teaching practice. Students who successfully complete the subject are given a non-graded pass.

9636 Teaching Practice Part II

3 points semester 1 or 2

pre/corequisites: at least one Curriculum and Methodology subject

Students will undertake one block of supervised teaching practice. Students who successfully complete the subject are given a non-graded pass.

Curriculum and Methodology subjects

Students are required to complete curriculum and methodology subjects to a total of 6 points. Each subject consists of weekly lectures and/or seminars. Students should take note of both the conditions attached to particular subjects and the *pre/corequisites* laid down for them. The Head of the Department may vary the conditions in any particular case

assessment: projects, assignments, seminar participation

note: subject availability subject to staffing/ facilities

Humanities

6059 Social, Cultural and Australian Studies

2 points full year

prerequisites: pass in Level II or III Anthropology, Classical Studies, Economics, Geography, History, Law, Politics or other approved subject

3494 Geography Curriculum and Methodology

2 points full year

prerequisites: pass in Level III geography subject. In certain circumstances students with Level II geography subjects may be accepted

pre/corequisite: 6059 Social, Cultural and Australian Studies

6149 History Curriculum and Methodology

2 points full year

prerequisites: pass in Level III history subject. In certain circumstances students with Level II history subjects may be accepted

pre/corequisite: 6059 Social, Cultural and Australian Studies

2309 Legal Studies Curriculum and Methodology

2 points full year

prerequisites: pass in Level II or III law or legal studies subjects

pre/corequisite: 6059 Social, Cultural and Australian Studies

Business

4134 Accounting Curriculum and Methodology

2 points full year

prerequisites: pass in Level II or III accounting subject

1464 Business Studies Curriculum and Methodology

2 points full year

prerequisites: pass in Level II or III business subject

4397 Economics Curriculum and Methodology

2 points full year
prerequisites: pass in Level II or III economics subject

English

4721 General English Curriculum and Methodology

2 points full year
prerequisites: pass in Level II or III English subject

3439 Senior English Curriculum and Methodology

2 points full year
prerequisites: pass in Level III English subject or equivalent
pre/corequisite: 4721 General English Curriculum and Methodology

Performing Arts

9469 Classroom Music Curriculum and Methodology

3 points full year
prerequisites: degree in Music or a pass in Level III music subject

6384 Instrumental Music Curriculum and Methodology

3 points full year
prerequisites: degree in Music, or a pass in Level III music subject, plus recognised instrumental qualifications
pre/corequisite: 9469 Classroom Music Curriculum and Methodology

Languages other than English

7374 Chinese Curriculum and Methodology

1 point full year
prerequisites: Pass at Level III Chinese or equivalent
pre/corequisite: 8472 Language Methodology or 3363 Modern Languages Curriculum and Methodology

9075 English as a Second Language

1 point full year
prerequisites: Pass in Linguistics at level II or III, or equivalent.
pre/corequisite: 8472 Language Methodology or 3363 Modern Languages Curriculum and Methodology

6728 French Curriculum and Methodology

1 point full year
prerequisites: pass at Level III French or equivalent
pre/corequisite: 8472 Language Methodology or 3363 Modern Languages Curriculum and Methodology

2735 German Curriculum and Methodology

1 point full year
prerequisites: pass at Level III German or equivalent
pre/corequisite: 8472 Language Methodology or 3363 Modern Languages Curriculum and Methodology

7304 Indonesian Curriculum and Methodology

1 point full year
prerequisites: Pass at Level III Indonesian or equivalent
pre/corequisite: 8472 Language Methodology or 3363 Modern Languages Curriculum and Methodology

7815 Italian Curriculum and Methodology

1 point full year
prerequisites: pass at Level III Italian or equivalent
pre/corequisite: 8472 Language Methodology or 3363 Modern Languages Curriculum and Methodology

1701 Japanese Curriculum and Methodology

1 point full year
prerequisites: pass at Level III Japanese or equivalent
pre/corequisite: 8472 Language Methodology or 3363 Modern Languages Curriculum and Methodology

8472 Language Methodology

3 points full year
prerequisites: pass in a Level II language other than English subject

3363 Modern Languages Curriculum and Methodology

2 points full year

prerequisites: pass in a Level II language other than English subject

This subject is for students who are not enrolled for a specialist language.

8396 Other Languages Curriculum and Methodology

1 point full year

prerequisites: pass in the appropriate language at Level III or equivalent

pre/corequisite: 8472 Language Methodology or 3363 Modern Languages Curriculum and Methodology

3323 Spanish Curriculum and Methodology

1 point full year

prerequisites: pass at Level III Spanish or equivalent

pre/corequisite: 8472 Language Methodology or 3363 Modern Languages Curriculum and Methodology

3574 Vietnamese Curriculum and Methodology

1 point full year

prerequisites: pass at Level III Vietnamese or equivalent

pre/corequisite: 8472 Language Methodology or 3363 Modern Languages Curriculum and Methodology

Mathematics

4212 Information Technology Curriculum and Methodology

2 points not offered in 2000

prerequisites: pass at Level III Computer Studies

9856 Junior Mathematics Curriculum and Methodology

2 points full year

prerequisites: pass in Mathematics I or equivalent

2640 Senior Mathematics Curriculum and Methodology

2 points full year

prerequisites: pass in Level III mathematics subject

pre/corequisite: 9856 Junior Mathematics Curriculum and Methodology

Science

4855 Biology Curriculum and Methodology

2 points full year

prerequisites: pass in a Level III biological science subject

pre/corequisite 2459 Junior Science Curriculum and Methodology

2918 Chemistry Curriculum and Methodology

2 points full year

prerequisites: pass in Level III chemistry subject

pre/corequisite 2459 Junior Science Curriculum and Methodology

2459 Junior Science Curriculum and Methodology

2 points full year

prerequisites: pass in two Level I physical and biological sciences subjects

2598 Physics Curriculum and Methodology

2 points full year

prerequisites: pass in Level III physics subject

pre/corequisite 2459 Junior Science Curriculum and Methodology

General

3779 Adult Learner Curriculum and Methodology

2 points full year

corequisite or prerequisite: 1852 Adolescent Learning and development

6210 Extended Specialist Curriculum

2 points full year

restriction: only with the agreement of Head of School

9063 Introduction to Curriculum Design and Evaluation

3 points not offered in 2000

8345 Practical Curriculum Design

2 points not offered in 2000

pre/corequisites: 9063 Introduction to Curriculum Design and Evaluation

6797 Practical Curriculum Evaluation

2 points not offered in 2000

prerequisites: Introduction to 9063 Curriculum Design and Evaluation

6903 Specialist Curriculum

1 point full year

restriction: only with the agreement of Head of School

Education Studies Subjects

3785 Australian Educational Issues

2 points semester 2

2 hours per week

This subject consists of a number of options from which students make a choice. Options offered vary from year to year and will be announced at the beginning of the second semester.

assessment: 1500 word essay/assignment; group presentation

7432 Curriculum in its Context

2 points full year

2-3 hours per week

This subject introduces students to curriculum theory, the context of State and National curricula, education and the law, the statutory constraints impacting upon teachers and current developments in education.

assessment: testing on basic information: critique of current issue in education or outline of conceptual bases of main teaching subject

5221 Professional Studies

2 points full year

Approximately 25 hours at times to be arranged

This subject involves the satisfactory completion of a component on New Technologies in Education, as well as participation in a practical studies option related to their work as teachers, during the final weeks of semester 2.

assessment: satisfactory attendance; participation in all components of subject; 1500 word assignment

5232 Social and Cultural Context of Learning

3 points full year

1 lecture, 1 tutorial a week

This subject is concerned to analyse the social and cultural context of students' learning. In particular, it will examine family and school learning environments, differing models of society, and cultural pluralism and education.

assessment: 2000 word essay

6227 Student-Teacher Interaction in the Classroom

3 points full year

6 hours per week

This subject considers student-teacher interaction. In particular, it examines classroom/behaviour management; human development, with particular reference to adolescence; aspects of students' learning and the teacher's role in that learning; the practical demands of communication in schools such as listening skills, language use, assertiveness and conflict resolution.

assessment: practical exercises; case studies; group presentations; written assignment, reports totalling 2000 words

Graduate Diploma in Environmental Studies

Note: this course is under review

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

As the course has undergone several structural changes in recent years, continuing students who commenced their course before 1995 will have suitable transitional arrangements determined for them at the time of enrolment.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Diploma in Environmental Studies shall have qualified for a degree of the University or for a degree of another institution accepted for the purpose by the University.
- 1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a student for the Graduate Diploma a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Status, exemption and credit transfer

- 2.1 Except by the special permission of the Director of the Mawson Graduate Centre for Environmental Studies, no student may gain status towards the Graduate Diploma for other studies undertaken in the University or other institutions.

3 Duration of course

- 3.1 Except with the special permission of the Faculty, the course for the Graduate Diploma shall be completed in one year of full-time study or not more than two years of continuous part-time study.

4 Qualification requirements

- 4.1 Students of the Graduate Diploma shall complete one subject chosen from the Environmental History and Philosophy Group, one subject chosen from the Environmental Science Group, four subjects chosen from the Environmental Policy, Planning and Management Group, and two additional subjects chosen from the Environmental Policy, Planning and Management Group and/or from the list of elective subjects, in consultation with the Director of the Centre.

5 Course of study/Subjects of study

- 5.1 Students for the Graduate Diploma shall complete one subject chosen from each of the following two groups of subjects:

Environmental History and Philosophy Group

- 5941 History and Philosophy of Environmentalism 3
- 1722 Special Topic in Environmental History and Philosophy 3

Environmental Science Group

- 1201 Principles of Environmental Science 3
- 8594 Special Topic in Environmental Science 3

- 5.2 Students shall complete four subjects chosen from the following groups of subjects:

Environmental Policy, Planning and Management Group

- 4079 Ecofeminist Theory and Politics 3
- 7766 Ecotourism: Opportunities and Impacts 3
- 1716 Educating for the Environment 3
- 2550 Environmental Earth Science 3
- 1865 Environmental Futures: Local/Global Sustainability 3
- 9474 Environmental Hazards 3
- 8865 Environmental Impact Assessment (Env.St.) 3
- 7420 Environmental Organisation and Activism 3
- 2005 Environmental Politics 3
- 8249 Environmental Reconstruction and Rehabilitation 3
- 1683 Environmental Risk Management 3
- 3216 Environmental Systems Management 3
- 2056 Environmental Writing 3
- 4550 Gender, Environment, Development 3

6631	Managing Coastal Environments	3
8375	Practical Environmentalism	3
9873	Special Topic in Environmental Management	3
2667	Special Topic in Environmental Planning	3
7888	Special Topic in Environmental Policy	3
2267	Special Topic in Environmental Studies	3
2124	Urban Environments	3
5.3	Students shall complete two semester-length subjects chosen from:	
(a)	elective subjects chosen from the following:	
3953	Conservation and Heritage Law (Env St)	3
3741	Conservation Biology S	3
2290	Environmental Economics (Env St)	3
5614	Environmental Linguistics	3
3099	Environmental Planning and Protection Law (Env St)	3
5752	Heritage Conservation Theory	3
1452	Indigenous Australian and Environmental Management S	3
4613	Introduction to SIS	3
3990	Land Use Planning Law (Env St)	3
4358	Population and the Environment (Env St)	3
	<i>and</i>	
(b)	Subjects listed in clause 6.2 above, not already offered to fulfil the requirements of clause 6.2 <i>and</i>	
(c)	Subject to the approval of the Faculty, environmental studies or related subjects at appropriate levels offered by other faculties.	
6	Review of academic progress	
6.1	A student who fails a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe.	
6.2	A student who has twice failed a subject may not enrol for that subject again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.	

6.3 For the purposes of this clause a student who is refused permission to be assessed, by examination or otherwise, or who does not, without a reason accepted by the Director of the Mawson Graduate Centre for Environmental Studies as adequate, attend all or part of a final examination (or supplementary examination if granted) after having enrolled for at least two thirds of the normal period during which the subject is taught, shall be deemed to have failed the subject.

7 Assessment and examinations

7.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

8 Articulation with other awards

8.1 Students who receive a credit average or better in this course are eligible to apply for entry to the degree of Master of Environmental Studies course, and if successful, on gaining entry, receive full status for the work they have undertaken in the Graduate Diploma.

8.2 Students who have conferred upon them the award of Graduate Diploma in Environmental Studies who subsequently successfully complete the requirements for the degree of Master of Environmental Studies must surrender their first award before being admitted to the Masters degree.

8.3 Notwithstanding the above Rules a student who has been enrolled for the degree of Master of Environmental Studies and who has completed the work prescribed herein for the Graduate Diploma and who has not been awarded the Master's degree shall, on written application to the Faculty, be awarded the Graduate Diploma.

8.4 A candidate for the Graduate Diploma who satisfies the requirements for the Graduate Certificate but does not complete the requirements of the Graduate Diploma may be admitted to the Graduate Certificate in Environmental Studies.

Syllabuses

See Master of Environmental Studies for syllabus details

Graduate Diploma in International Studies

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1. Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Diploma in International Studies shall have qualified for a degree of the University, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2. Duration of course

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or not more than two years of part-time study.

3. Course requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete subjects to the value of 24 points, as follows:

3.1 the following subjects

3094 Graduate International Studies A	6
8414 Graduate International Studies B	6
9083 International Studies IVA	6
5618 International Studies IVB	6

3.2 No candidate will be permitted to count for the Graduate Diploma any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4. Status, exemption and credit transfer

4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.

4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

4.3 In any case, no candidate will be awarded more than 6 points of status, except for those candidates who have completed the Graduate Certificate in International Studies (see Rule 6 below).

4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5. Assessment and examinations

5.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6. Articulation with other awards

6.1 A candidate for Graduate Diploma in International Studies who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

6.2 A candidate who has been admitted to the Graduate Certificate in International Studies and who subsequently satisfies the requirements for the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

- 6.3 A candidate for the degree of Master of Arts (International Studies) who does not complete the requirements of that degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma

Syllabuses

See Master of Arts (International Studies) for syllabus details

Graduate Diploma in Japanese Studies

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Diploma in Japanese Studies shall have qualified for a degree of the University or for a degree of another institution accepted for the purpose by the University.

1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions as it may see fit to impose in each case, accept as a student for the Graduate Diploma a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

2.1 To qualify for the Graduate Diploma a student shall satisfactorily complete a course of one year of full-time study or not more than four years of part-time study.

3 Course requirements

3.1 Japanese Language subject

All students shall satisfactorily complete either:
5314 Advanced Japanese (Graduate Diploma) 6
or
one year of Japanese language appropriate to their level of competence after consultation with the Head of the Centre Asian Studies.

3.2 Research subject

All students shall satisfactorily complete:
2732 Special Topic in Japanese Studies IV 6

3.3 Electives

Students shall complete elective subjects to the value of six or twelve points, depending on the language subjects they have undertaken from the following:

6510 Contemporary Japan: Economy and Society III	6
9803 Contemporary Japan: Politics and Society III	6
9170 East Asia Capitalism III	
1802 East Asian Economies II	4

6659 Japanese History III	6
8455 Japanese Society III: Development and the Environment	6

4 Status, exemption and credit transfer

4.1 Except by the special permission of the Head of the Centre for Asian Studies, no student may gain status for the Japanese Language subject, or for the research subject 2732 Special Topic in Japanese Studies for other studies undertaken in the University or other institutions.

4.2 No student may be granted more than twelve points of status toward the Graduate Diploma.

4.3 Status will not be granted for elective subjects for Level III Asian Studies subjects undertaken as part of an undergraduate award.

5 Review of academic progress

5.1 A student who fails a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe.

5.2 A student who has twice failed a subject may not enrol for that subject again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.

5.3 For the purposes of this clause a student who is refused permission to be assessed, by examination or otherwise, or who does not, without a reason accepted by the Head of the Centre for Asian Studies as adequate, attend all or part of a final examination (or supplementary examination if granted) after having enrolled for at least two thirds of the normal period during which the subject is taught, shall be deemed to have failed the subject.

6 Assessment and examinations

6.1 There shall be four classifications of pass in any subject for the Graduate Diploma; Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

Syllabuses

Japanese Language subjects

5314 Advanced Japanese (Graduate Diploma)

6 points semester 1

1.5 hours per week

prerequisites: Credit or higher in Japanese III or equivalent

This subject is designed for students who have completed Level III Japanese or are fluent native speakers. It aims to advance proficiency in literary Japanese.

Note: see Bachelor of Arts for syllabus details for all other Japanese language subjects

Research Subject

2732 Special Topic in Japanese Studies IV

6 points semester 1 or 2

1 hour per week

prerequisites: Credit or higher in Japanese II or equivalent

This subject consists of a research essay of 7000 words in the candidate's area of interest as approved by the Head of Centre. Alternatively, an annotated translation or other equivalent piece of work may be submitted with the approval of the Head of Centre. The subject is conducted by weekly supervision by a supervisor appointed by the Head of the Centre.

assessment: research essay, marked by two examiners in the Centre

elective subjects

9770 Australia and the Asia Pacific III

6510 Contemporary Japan: Economy and Society III

9803 Contemporary Japan: Politics and Society III

9170 East Asia Capitalism III

1802 East Asian Economies II

6659 Japanese History III

8455 Japanese Society: Development and the Environment III

See Bachelor of Arts for syllabus details

Graduate Diploma in Labour Studies

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Diploma in Labour Studies shall have qualified for a degree of the University or for a degree of another institution accepted for the purpose by the University.
- 1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions as it may see fit to impose in each case, accept as a student for the Graduate Diploma a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or not more than four years of part-time study.

3 Course requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete subjects to the value of 24 points as follows

3.1 Core subjects

Candidates shall complete one of the following core subjects:

5718 International Political Economy IV	6
5565 Labour Movements: Theory, Crisis and Response IV	6
4657 Labour Research Networking IV	6
2822 Labour Strategies IV	6
3649 Political Economy of Globalisation IV	6
7489 Social and Labour Research IV	6
8506 Theorising Work and Society IV	6

3.2 Elective subjects

12 points from the coursework subjects listed in 4.1 or the following:

5718 International Political Economy IV	6
6112 Labour Market Studies IV	6

4657 Labour Research Networking IV	6
3210 Learning and the Workplace	3
1598 Learning and the Work Place IV	4
3368 Managing Education for Work	3
1882 Managing Education for Work IV	4
4894 Regional Industry Development	3
5194 Regional Industry Development IV	4
4688 Sustaining Regional Development	3
6322 Sustaining Regional Development IV	4
5290 Individual Research Project(Grad.Dip.)	12

4 Status, exemption and credit transfer

- 4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3 In any case, no candidate will be awarded more than 6 points of status, except for those candidates who have completed the Graduate Certificate in Labour Studies. (see Rule 6 below).
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.
- 6 Articulation with other awards**
- 6.1 A candidate for the Graduate Diploma in Labour Studies who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.
- 6.2 A candidate who has been admitted to the Graduate Certificate in Labour Studies and who subsequently satisfies the requirements for the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.
- 6.3 A candidate for the degree of Master of Arts (Labour Studies) who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

Syllabuses

See Master of Arts (Labour Studies) for syllabus details

Graduate Diploma in Languages

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Diploma in Languages shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.
- 1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

To qualify for the Graduate Diploma a student shall satisfactorily complete two to three years part-time study.

3 Course requirements

To qualify for the Graduate Diploma, a candidate normally shall complete a three year language sequence (as defined in Rule 5 below).

4 Status, exemption and credit transfer

- 4.1 Except by special permission of the Faculty of Arts, no student may gain status for any part of the language sequence of the Diploma in Languages.
- 4.2 No student may be granted status at level III toward the Diploma.
- 4.3 No status will be awarded in the Diploma in Languages for subjects presented for another award.
- 4.4 Where a candidate is exempt from level I in the language because he or she is already at an advanced level or is a native speaker, that candidate may be permitted to complete only levels II and III of the language and substitute general studies subjects which are taught in that language to a maximum of 6 points.

5 Course of study

All candidates shall complete a three year language sequence to a total value of 26 points. The sequence shall consist of:

6 points at level I
8 points at level II
12 points at level III
in a single language

- 5.2 In certain circumstances, this sequence may be varied to consist of:
8 points at level II
12 points at level III and,
6 points of advanced language studies, or
6 points of area studies (see 4.4)

- 5.3 The languages available are:

Ancient Greek	Chinese
French	German
Japanese	Latin
Vietnamese	

6 Assessment and examination

- 6.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass. The classification of Pass may be in two Divisions: Pass Division I and Pass Division II.
- 6.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 6.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

Graduate Diploma in Logic

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Diploma in Logic shall have qualified for a degree of the University incorporating studies deemed equivalent to the Graduate Certificate in Logic or have qualified for the Graduate Certificate in Logic, or for a degree of another institution accepted for the purpose by the University.

1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions as it may see fit to impose in each case, accept as a student for the Graduate Diploma a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of the award

To qualify for the Graduate Diploma a student shall satisfactorily complete a course of one year of full-time study or not more than two years of part-time study.

3 Course requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete subjects to the value of 24 points as follows:

3.1 Core Subjects

3402 Advanced Logic A (PG)	6
7665 Argument (PG)	4

(Students who are exempted from studying the subject 3402 Advanced Logic A (PG) due to having previously completed 4259 Logic IIIA or its equivalent will be required to present a further 6 points of elective subjects in lieu of this requirement.)

3.2 Elective Subjects

8 points chosen from the following:

2614 Advanced Logic B (PG)	2
1619 Artificial Intelligence (PG)	2
9669 Graduate Topic in Logic A	2
5048 Graduate Topic in Logic B	2

7889 Graduate Topic in Logic C	2
2043 Graduate Topic in Logic D	2
1998 Intermediate Logic (PG)	4
2254 Knowledge Representation (PG)	2

Flinders University Subjects:

Subject to approval the Head of Department, students may include certain subjects available through Flinders University

and

subject to the approval of the Department, students may be able to pursue in lieu of 2 elective points further studies towards the requirements of the Project in Logic below. Such students will enrol in the following subject:

2637 Supplementary Major Project in Logic	2
concurrently with the subject	
3890 Major Project in Logic	

3.3 Project in Logic

All students shall enrol in:

3890 Major Project in Logic	6
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4 Status, exemption and credit transfer

4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.

4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

4.3 In any case, no candidate will be awarded more than 6 points of status, except for those candidates who have completed the Graduate Certificate in Logic (see Rule 6 below).

4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1** There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2** (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3** A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

- 6.1** A candidate for the Graduate Diploma in Logic who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.
- 6.2** A candidate who has been admitted to the Graduate Certificate in Logic and who subsequently satisfies the requirements for the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.
- 6.3** A candidate for the degree of Master of Logic who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

Syllabuses

See Master of Logic for syllabus details

Graduate Diploma in Philosophy

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1. Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Diploma in Philosophy shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University, University, having satisfactorily completed the equivalent of at least 6 points of Philosophy at level I.
- 1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2. Duration of course

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or not more than two years of part-time study.

3. Course requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete subjects to the value of 24 points, as follows:

- 3.1 9673 Metaphysics (PG) 6
 4708 Epistemology (PG) 6
 9522 Modern Moral Philosophy (PG) 6
 4482 Political and Legal Philosophy (PG) 6
- 3.2 Candidates intending to apply for the Master of Arts (Philosophy) should enrol in
 4313 Masters Philosophy Seminar
 in lieu of one of the subjects above.
- 3.3 No candidate will be permitted to count for the Graduate Diploma any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject already presented for another award.

4. Status, exemption and credit transfer

- 4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3 In any case, no candidate will be awarded more than 6 points of status, except for those candidates who have completed the Graduate Certificate in Philosophy (see Rule 6 below).
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5. Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6. Articulation with other awards

- 6.1 A candidate for the Graduate Diploma in Philosophy who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

- 6.2 A candidate who has been admitted to the Graduate Certificate in Philosophy and who subsequently satisfies the requirements for the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.
- 6.3 A candidate for the degree of Master of Arts (Philosophy) who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

Syllabuses

See Master of Arts (Philosophy) for syllabus details

Graduate Diploma in Population and Human Resources

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1. Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Diploma in Population and Human Resources shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University, or have qualified for the Graduate Certificate in Population Studies.
- 1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2. Duration of course

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or not more than two years of part-time study.

3. Course requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete subjects to the value of 24 points, as follows:

3.1 Core subjects

3790	Population Studies	4
2924	Computer Applications in Population Studies	4
1556	Population Data Analysis	4
4428	Human Resource Development	4

3.2 Elective subjects

8 points selected from the following:

5678	Ageing of Populations	4
1762	Applied Demography	4
4024	Demography of the Family	4
2757	Population and the Environment	4
1613	Population Management and Operations Research	4

4904	Population Mobility	4
9979	Regional Development and Planning	4
1745	Urbanisation and Development	4
7149	Women's Health and Child Survival	4

4. Status, exemption and credit transfer

- 4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3 In any case, no candidate will be awarded more than 6 points of status, except for those candidates who have completed the Graduate Certificate in Population Studies (see Rule 6 below).
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5. Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

- 6.1 A candidate for the Graduate Diploma in Population and Human Resources who does not complete the requirements for the Graduate Diploma but satisfies the requirements of the Graduate Certificate in Population Studies may be admitted to the Graduate Certificate.
- 6.2 A candidate for the degree of Master of Arts (Population and Human Resources) who satisfies the requirements for the Graduate Diploma but who does not complete the requirements of the degree may be admitted to the Graduate Diploma.
- 6.3 A candidate for the degree of Master of Arts (Population and Human Resources) who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

Syllabuses

See Master of Arts (Population and Human Resources) for syllabus details

Graduate Diploma in Public Affairs

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

- 1. Admission requirements**
 - 1.1 An applicant for admission to the course of study for the Graduate Diploma in Public Affairs shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

	2140 Graduate Internship (6 pt)	6
	8974 Social Analysis and Feminist Theory (6 pt)	6
	2970 Social Analysis and Feminist Theory (4 pt)	4
 - 1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.
- 2. Duration of course**

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or not more than two years of part-time study.
- 3. Course requirements**

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete subjects to the value of 24 points as follows:

 - 3.1 Core subjects**

1883 Approaches to Policy	6
1592 Australian Public Policy: Challenge of Change	6
 - 3.2 Elective subjects**

12 points selected from the following:

3603 Classics of State Theory (4 pt)	4
1080 Classics of State Theory (6 pt)	6
7021 Cross Currents: Critical Public Issues (4 pt)	4
9629 Cross Currents: Critical Public Issues (6 pt)	6
5361 Directed Study P/G (4 pt)	4
3691 Directed Study P/G (6 pt)	6
8982 Doing Right in Institutions (4 pt)	4
9313 Doing Right in Institutions (6 pt)	6
4421 Graduate Internship (4 pt)	4
- 3.3** No candidate will be permitted to count for the Graduate Certificate any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.
- 4. Status, exemption and credit transfer**
 - 4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
 - 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
 - 4.3 In any case, no candidate will be awarded more than 6 points of status, except for those candidates who have completed the Graduate Certificate in Public Affairs (see Rule 6 below).
 - 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.
- 5. Assessment and examinations**
 - 5.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
 - 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
 - (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6. Articulation with other awards

6.1 A candidate for the Graduate Diploma in Public Affairs who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.

6.2 A candidate who has been admitted to the Graduate Certificate in Public Affairs and who subsequently satisfies the requirements for the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

6.3 A candidate for the degree of Master of Arts (Public Affairs) who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma

Syllabuses

See Master of Arts (Public Affairs) for syllabus details

Graduate Diploma in Social Sciences

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Diploma in Social Sciences shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University *or*
- 1.2 shall have qualified for the Graduate Certificate in Social Sciences.

2 Duration of course

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or the equivalent of part-time study.

3 Course requirements

- 3.1 To qualify for the Graduate Diploma, a candidate shall satisfactorily complete subjects to the value of 24 points as follows:

4462 Approaches to Social Sciences Research (4 pt)	4
<i>or</i>	
4226 Approaches to Social Sciences Research (6 pt)	6
<i>and</i>	

- 3.2 core subjects available in the following Social Sciences graduate coursework degrees in the Faculty of Arts: Applied Linguistics, Cognitive Science, Educational Studies, Environmental Studies, International Studies, Labour Studies, Philosophy, Population and Human Resources, Spatial Information Science and Women's Studies.

3.3 Elective subjects

All candidates shall complete elective subjects to the value of 12 points selected from the following Social Sciences graduate coursework degrees in the Faculty of Arts: Applied Linguistics, Cognitive Science, Educational Studies, Environmental Studies, International Studies, Labour Studies, Philosophy, Population and Human Resources, Spatial Information Science and Women's Studies.

- 3.4 No candidate will be permitted to count for the Graduate Diploma any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

- 4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3 In any case, no candidate will be awarded more than 6 points of status, except for those candidates who have completed the Graduate Certificate in Social Sciences (see Rule 6 below).
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6. Articulation with other awards

- 6.1 A candidate for the Graduate Diploma in Social Sciences who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.
- 6.2 A candidate who has been admitted to the Graduate Certificate in Social Sciences and who subsequently satisfies the requirements for the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.
- 6.3 A candidate for the degree of Master of Social Sciences who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

Syllabuses

See Master of Social Sciences for syllabus details

Graduate Diploma in Spatial Information Science

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Diploma in Spatial Information Science shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or not more than two years of part-time study.

3 Course requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete subjects to a total of 24 points, as follows:

3.1 Core subjects

6155	Introduction to Spatial Data Models	3
4613	Introduction to Spatial Information Systems	3
5107	Spatial Data Modelling & Analysis	3
3088	Spatial Data Visualisation	3
6559	Research Project SIS	6

3.2 Elective subjects

6 points selected from the following

2445	Advanced Raster Analysis	3
2523	Field Sampling Techniques	3
2833	New Technologies in GIS	3
9342	Social Applications in GIS	3

Students may also select from elective subjects offered by the Department of Environmental Science and Rangeland Management. It may

also be possible to substitute other electives to a total of 3 points from cognate areas with the permission of the Course Convenor.

3.3 No candidate will be permitted to count for the Graduate Certificate any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.

4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

4.3 In any case, no candidate will be awarded more than 6 points of status, except for those candidates who have completed the Graduate Certificate in Spatial Information Science (see Rule 6 below).

4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

5.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special

permission of the Faculty and then only under such conditions as may be prescribed.

6. Articulation with other awards

- 6.1** A candidate for the Graduate Diploma in Spatial Information Science who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate Certificate.
- 6.2** A candidate who has been admitted to the Graduate Certificate in Spatial Information Science and who subsequently satisfies the requirements for the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma.
- 6.3** A candidate for the degree of Master of Spatial Information Science who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

Syllabuses

6559 Research Project SIS

6 points

Semester 1 or 2

Syllabus details to be determined in consultation with supervisor.

See Master of Spatial Information Science for other syllabus details

Graduate Diploma in Women's Studies

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Students who commenced studies in the award of Graduate Diploma in Women's Studies prior to 1998 should refer to the 1997 Calendar Volume II. Such students who wish to transfer to the new program should consult the department regarding any transition arrangements which may apply.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Diploma in Women's Studies shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.
- 1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

- 2.1 To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or not more than two years of part-time study.

3 Course requirements

To qualify for the degree, a candidate shall satisfactorily complete subjects to the value of 24 points, as follows:

3.1 Core Subjects

6881 Contemporary Approaches to Feminist Research	6
5528 Theories of Feminism	6

- 3.1.1. Students who are not intending to apply for entry to the Master of Arts (Women's Studies) may present an additional elective in lieu of 6881 Contemporary Approaches to Feminist Research.

3.2 Elective Subjects

12 points selected from the following

9410 Australian Feminist History: A Survey	6
3612 Autobiographical Writings	6
4434 Exploring Sexualities	6

3919 Gender in a Post Colonial World IV	6
2649 Gender, Environment, Development (Women's Studies)	6
2360 Gender Relations and Social Policy	6
6297 Gender the Body and Health PG	6
7089 Gender Work and Society PG	6
4588 Popular Culture, Film and Representation (PG)	6
5756 Power and Difference: Post Colonial Perspectives (PG)	6
9008 Women's Studies Special Topic	6

Graduate level subjects offered in Women's Studies at the Flinders University of South Australia also may be included.

Graduate level subjects offered in Women's Studies at the Flinders University of South Australia also may be included

- 3.3 No candidate will be permitted to count for the Graduate Diploma any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

- 4.1 except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3 In any case, no candidate will be awarded more than 6 points of status, except for those candidates who have completed the Graduate Certificate in Women's Studies (see Rule 6 below).
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1** There shall be four classifications of pass in any subject for the Graduate Diploma; Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.
- 5.2** (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3** A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

- 6.1** A candidate for the Graduate Diploma in Women's Studies who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate may be admitted to the Graduate may be admitted to the Graduate Certificate
- 6.2** A candidate for the degree of Master of Arts (Women's Studies) who satisfies the requirements for the Graduate Diploma but who does not complete the requirements of the degree may be admitted to the Graduate Diploma.
- 6.3** A candidate for the degree of Graduate Diploma in Women's Studies who satisfies the requirements for the Graduate Certificate only, may be admitted to the award of Graduate Certificate in Women's Studies.

Syllabuses

See Master of Arts (Women's Studies) for syllabus details

International Graduate Diploma in Environmental Management

This course is offered jointly with the United Nations Environment Program, and is currently available to students enrolled through the Ngee Ann – Adelaide Education Centre.

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the International Graduate Diploma in Environmental Management shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University.

1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the International Graduate Diploma a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the International Graduate Diploma.

2 Duration of course

2.1 To qualify for the International Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or the equivalent of part-time study.

3 Course requirements

To qualify for the International Graduate Diploma, a candidate shall satisfactorily complete subjects to the value of 24 points, as follows:

3.1 Core subjects

7492 Environmental Impact Assessment (Int)	3
1357 Environmental Management Challenge	6
8669 Environmental Management Systems and Audit	3
2666 Environmental Project Management	3
6884 Policy Building for Sustainable Development	3

3.2 Elective subjects

All candidates shall complete elective subjects to the value of 6 points selected from the following:

5033 Environmental Clean-up Tools	3
2864 Environmental Economics (Int)	3
5032 Global Environmental Futures	3
7148 Special Study in Environmental Management	3

4 Status, exemption and credit transfer

4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.

4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

4.3 In any case, no candidate will be awarded more than 6 points of status, except for those candidates who have completed the International Graduate Certificate in Environmental Management. (See Rule 6 below.)

4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

5.1 There shall be four classifications of pass in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6. Articulation with other awards

6.1 A candidate for the International Graduate Diploma in Environmental Management who does not complete the requirements for the International Graduate Diploma but satisfies the requirements for the International Graduate Certificate may be admitted to the International Graduate Certificate.

6.2 A candidate who has been admitted to the International Graduate Certificate in Environmental Management and who subsequently satisfies the requirements for the International Graduate Diploma in Environmental Management must surrender the International Graduate Certificate before being admitted to the International Graduate Diploma.

6.3 A candidate for the degree of Master of Environmental Management who does not complete the requirements of the degree, but who satisfies the requirements for the International Graduate Diploma may be admitted to the International Graduate Diploma.

Syllabuses

See Master of Environmental Management for syllabus details

Bachelor of Educational Studies

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

The Bachelor of Educational Studies award represents a professional development course, designed for practising teachers. It offers advanced studies in educational theory and practice, together with further studies intended to enhance and develop the range of areas in which they are qualified to teach.

Specific Course Rules

1 Admission requirements

- 1.1** An applicant for admission to the course of study for the degree of Bachelor of Educational Studies shall have qualified for a degree of the University, or for a degree of another institution accepted for the purpose by the University and have qualified for a Graduate Diploma in Education of the University or for an award accepted by the University as equivalent.
- 1.2** The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Duration of course

- 2.1** To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising one year of full-time study or not more than four years of part-time study.

3 Course requirements

To qualify for the degree, a candidate shall satisfactorily complete subjects to the value of 24 points, as follows:

3.1 Educational subjects

All candidate shall complete at least 6 points and up to 18 points from the following:

4599 Adult Psychology and Education (6 pt)	6
1900 Counselling in Education (6 pt)	6
3691 Directed Study (6 pt)	6
8296 Education in Multilingual Settings (6 pt)	6
8947 Families, Schools and Students' Outcomes (6 pt)	6
5274 Gender, Education and Social Change (6 pt)	6
7823 Honours Mathematics (Education) 12 pt	12

9422 Issues for Australians (6 pt)	6
5841 Making Sense of the Scientific World (6 pt)	6
5165 Mathematics Education (6 pt)	6
3417 Multicultural Society and Educational Policy (6 pt)	6
1688 Religion, Education and Social Change (6 pt)	6
8963 Schools as Cultural Systems (6 pt)	6
7884 Scientific Revolutions and Education (6 pt)	6
6540 Teaching the Australian Studies Curriculum (6 pt)	6
7421 The Nature of Science and Science Curricula (6 pt)	6
6224 Theories of Psychology in Education (6 pt)	6

3.2 Elective subjects

All candidates shall complete elective subjects to the value of at least 6 points and up to 18 points selected from the subjects listed for undergraduate and graduate degrees of the University which are appropriate to teaching in schools. Advice on appropriate options is available from the Graduate School of Education

4 Status, exemption and credit transfer

- 4.1** No candidate shall be granted status for subjects with a total value of more than 12 points on account of subjects presented for any other award.
- 4.2** No candidate will be permitted to count for the degree any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.
- 4.3** A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in

the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1** There shall be four classifications of pass in any subject for the degree: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.
- 5.2** (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3** A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

- 6.1** Candidates may be granted credit towards the Bachelor of Educational Studies on account of the Graduate Certificate in Australian Studies (or other appropriate Graduate Certificate) for up to 8 points without surrendering the award, or up to 12 points upon surrender of the award.
- 6.2** A candidate who has met the requirements for the Bachelor of Educational Studies may apply for entry to the Master of Educational Studies, and if successful, receive status of up to 18 points for subjects listed in the Specific Course Rules of the Master of Educational Studies. A candidate for Master of Educational Studies who has been granted status toward the degree for subjects presented for the Bachelor of Educational Studies to a value of 12 or more points must surrender the Bachelor of Educational Studies before being admitted to the degree.

Syllabuses

See M.Ed Studies for syllabus details

Master of Arts

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 The Faculty of Humanities and Social Sciences may accept as a candidate for the degree of Master of Arts any person who:

- (a) is recommended by a Department or Departments within the Faculty able and willing to provide supervision and facilities for the candidate's work towards the degree *and*
- (b) has obtained an Honours degree, at IIA or higher, or other qualification accepted by the University as equivalent to an Honours degree, in a subject or subjects to which the candidate's proposed field of study relates.

1.2 Subject to the approval of the Board of Graduate Studies acting with authority wittingly devolved to it by Council, the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not hold the qualification specified in clause 1.1 above, but who has given evidence satisfactory to the Faculty of their fitness to undertake work for the degree.

1.3 Before deciding such a person's fitness the Faculty may, if it so desires, require them to complete prescribed preliminary work and thereafter, or alternatively to complete a prescribed course of study and pass a qualifying examination of honours standard.

1.4 The form and assessment of any preliminary work and/or of any course of study shall be proposed by the department or departments concerned and approved by the Faculty. In any qualifying examination at least two examiners, approved by the Faculty for the purpose, must contribute to the assessment of the candidate's performance.

2 Duration of course

2.1 Unless the Faculty expressly approves an extension of time in a particular case, the work for the degree shall be completed and the thesis or dissertation submitted:

- (a) in the case of a full-time candidate, not

less than one year nor more than three years from the date at which candidature was accepted by the Faculty *or*

- (b) in the case of a part-time candidate, not less than one year nor more than five years from the date at which candidature was accepted by the Faculty.

3 Qualification requirements

3.1 Every candidate shall either:

- (a) present a thesis *or*
- (b) pursue a course of advanced study, which may include practical exercises and present a thesis or dissertation.

3.2 The subject of any thesis or dissertation shall be approved by the Department or Departments concerned and by the Faculty.

4 Assessment and examinations

4.1 The content and method of assessment of any course of advanced study, shall be approved by the department or departments concerned and by the Faculty. Assessment shall in every case be by not less than two examiners of whom at least one shall be external to the University. The names of the examiners and the relative weighting of any course work and the thesis or dissertation in the overall assessment shall be proposed by the department or departments concerned and approved by the Faculty.

4.2 On completion of work for the degree the candidate shall:

- (a) inform the Head or Heads of the Department or Departments in which the candidate's work has been done, and the candidate's supervisor or supervisors of their intention to submit their thesis or dissertation. The Head or Heads shall forthwith propose the names of examiners for approval by the Faculty
- (b) lodge with the Registrar three copies of the thesis or dissertation prepared in accordance with directions given to candidates from time to time.

- 4.3 The examiners of the thesis or dissertation may recommend that it either
- the candidate be awarded the degree of Master of Arts *or*
 - the candidate be awarded the degree of Master of Arts but that minor amendments be made to the thesis *or*
 - the candidate be awarded the degree of Master of Arts subject to the amendments specified elsewhere in this report being made to the thesis *or*
 - the candidate be **not** awarded the degree of Master of Arts but be permitted to resubmit the thesis in revised form for re-examination *or*
 - the candidate be **not** awarded the degree of Master of Arts.
- 4.4 The examiners of a thesis or dissertation re-submitted following recommendation 4.3(e) above may recommend only 4.3(a), (b), (c) or (d).

Notes by Departments

The attention of candidates is directed to 'Notes and Instructions to candidates for higher degrees' which gives general advice to candidates and sets out the specifications for theses. (*see* Table of Contents)

Anthropology

1 Master of Arts Qualifying

This course will be open to students with no previous training in Anthropology or closely related disciplines and to students holding a degree not considered by the Discipline to be equivalent to Bachelor of Arts Honours. Students will do the Bachelor of Arts Honours course work and must produce a 15,000 word qualifying essay.

2 Master of Arts Program

Potential candidates for the degree of Master of Arts in Anthropology are advised to consult the Head of the Discipline. Candidates should have a good Honours degree or equivalent in Anthropology or a closely related social science discipline. They must present a thesis, on a subject approved by the Faculty of Arts, of approximately 30,000 to 40,000 words.

Asian Studies

1 Master of Arts Qualifying

The program is intended to supplement the present honours programs in Chinese and Japanese studies. It is aimed at, for example, overseas students whose first language is

Chinese or Japanese or students who can demonstrate considerable fluency in Chinese or Japanese but lack training in relevant social science disciplines or history.

A student in the Master's Qualifying program will essentially do the work of an honours student. This will entail successful completion of:

- the methodology component *and*
- directed readings, leading to the submission of the honours thesis

The only difference with the honours course concerns the advanced textual readings component of the core reading course. Given a Master's Qualifying student's established fluency in Chinese or Japanese, in lieu of the advanced readings, the student will be expected to complete two one-semester lecture subjects concerning the relevant area or country of specialisation at third-year level, with marks of credit or above.

This substitution is designed to enhance a student's command of method and analytical skills and to ensure that the student possesses writing skills adequate to postgraduate work.

2 Master of Arts Program

Potential candidates for the degree of Master of Arts in the Centre for Asian Studies are advised to consult the Head of the Centre. Candidates should have a good Honours degree or equivalent in Asian Studies or a closely related social science discipline and must be qualified to conduct research using original language sources. They must present a thesis, on a subject approved by the Faculty of Arts, of approximately 30,000 to 40,000 words.

Classics

Candidates for the degree of Master of Arts in Classics must present a thesis on a subject, and in a form, approved by the Faculty of Humanities and Social Sciences. The length of the thesis should be about 40,000 words.

The Department may also require candidates to present themselves for examination in a portion of work chosen with reference to the subject area of the thesis. Such an examination must be passed to the satisfaction of the Head of the Department, but will not form part of the assessment for the award of the degree. If the degree is in Classical Studies additional language work may be included in the examinable work specified above.

The qualifications required of applicants to be admitted as candidates for the degree are set out in the regulations of the degree of Master of Arts. In general, a candidate should have obtained a good Honours degree in Greek and/or Latin or Classical Studies.

The degree is intended to be obtained normally by one year of full-time or two years of part-time study. Work towards the degree is pursued under a supervisor or supervisors appointed by the Faculty, and consists largely of preparatory reading, until the candidate is ready to begin writing the thesis. The thesis itself, though of an advanced standard, is not intended necessarily to contain material that is a new contribution to knowledge.

Potential candidates should consult the Head of the Department of Classics in the first instance.

English Language and Literature

Candidates for the degree of Master of Arts in English Language and Literature are advised to consult the Head of the Department. It is advisable that the length of the Master of Arts thesis should not exceed 50,000 words.

French Language and Literature

Candidates for the degree of Master of Arts in French Language and Literature are advised to consult the Head of the Department at the earliest opportunity.

Candidates who seek to qualify under Specific Course Rule 1.2 are normally required to have already passed at a good standard in French I, II and III, or their equivalents, and, then, to take the fourth-year Honours course in French Language and Literature. At the end of one year, if full-time, or at the end of two years, if part-time, they will be required to pass, at a satisfactory standard, the following examinations: the thesis and the three papers required for Honours in French Language and Literature.

Geography

Candidates for the degree of Master of Arts in Geography are advised to obtain the Departmental Postgraduate Handbook and to consult the Head of the Department. Candidates should have at least a Class II A Honours degree or equivalent in Geography, or, with the permission of the Head, in an associated discipline. Persons whose qualifications are in a discipline other than Geography may be required to complete prescribed supplementary work in Geography to the satisfaction of the Head.

German Language and Literature

Candidates for the degree of Master of Arts in German Language and Literature are advised to consult the Head of the Department.

History

Candidates for the degree of Master of Arts in History are advised to consult the Head of the Department.

Labour Studies

Candidates for the degree of Master of Arts in Labour Studies are advised to consult the Postgraduate Coordinator at the earliest opportunity.

Linguistics

Candidates in the Master of Arts in Linguistics are advised to consult the Professor of Linguistics at the earliest opportunity.

Music

Candidates will be expected to undertake a composite master's degree course comprising:

Musicology:

- (a) the presentation of a thesis or a scholastic and performing edition of a major musical work or collection of musical works involving palaeographic skills, a substantial editorial introduction and commentaries
- (b) four seminars listed under the Master of Music Degree (Musicology).

The degree of Master of Arts in Music is also available in Ethnomusicology, and Music in Education.

Philosophy

Candidates for the degree of Master of Arts in Philosophy are advised to consult the Head of the Department within the first month of the academic year where possible about the subject and the course of reading for their thesis.

Politics

Candidates for the degree of Master of Arts in Politics are advised to consult the Postgraduate Coordinator at the earliest opportunity.

Women's Studies

Candidates for the degree of Master of Arts (Women's Studies) are advised to contact the Head of Department. Candidates intending to enrol for the degree of Master of Arts in another Department of the Faculty of Humanities and Social Sciences may, with the agreement of that

Department, be jointly supervised by a member of staff from the Department of Women's Studies and by a member of staff in another Department. Prerequisites are those of the Department in which the candidate is enrolling, but candidates should usually have undertaken some Women's Studies coursework as part of their Honours work. It is possible to combine Honours work in a Department in the Faculty of Humanities and Social Sciences with work in the Department of Women's Studies.

Master of Arts (Applied Demography)

This award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with the General Course Rules as well as with the Specific Course Rules set out below, they are advised to refer to them to understand their rights and responsibilities regarding course matters.

Specific Course Rules

1. Admission requirements

1.1 An applicant for admission to the course of study for the degree of Master of Arts (Applied Demography) shall

- (a) have qualified for an Honours degree of the University at IIA or higher, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a Honours degree of the University
- (b) have qualified for a Graduate Diploma in Applied Demography at Credit level or higher *or*
- (c) have qualified for an Ordinary degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years' approved professional work experience.

1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2. Duration of course

To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising three semesters of full-time study or not more than four years of part-time study.

3. Course requirements

To qualify for the degree of Master of Arts (Applied Demography), a candidate shall satisfactorily complete subjects to the value of 36 points as follows:

3.1 Core subjects

All candidates shall complete the following subjects:

9052 Applications of demography	3
5628 Computer applications in demography	3
4101 Demographic projections and forecasts	3
2837 Introduction to demography	3

3.2 Elective subjects

All candidates shall complete elective subjects to the value of 12 points selected from the following:

2767 Family demography	3
2674 Households and housing	3
2296 International migration	3
3726 Labour market information systems	3
3750 Mortality and morbidity	3
4187 Population ageing	3
7131 Population mobility and internal migration	3
5082 Small area demographic data	3

3.3 Research dissertation

3183 Dissertation in Applied Demography 12

3.3.1 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the Special Research Project to the Faculty, after it has been passed and accepted for the degree.

4. Status, exemption and credit transfer

4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.

4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

4.3 In any case, no candidate will be awarded more than 12 points of status, except for those candidates who have completed the Graduate Diploma in Applied Demography (see Rule 6 below).

- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5. Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the degree of Master of Arts (Applied Demography): Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6. Articulation with other awards

- 6.1 A candidate for the Master of Arts (Applied Demography) who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those degrees as appropriate.
- 6.2 A candidate who has been admitted to the Graduate Diploma in Applied Demography and who has subsequently satisfies the requirements for the Master of Arts (Applied Demography) must surrender the Graduate Diploma before being admitted to the Masters degree.
- 6.3 A candidate for the degree of Master of Arts (Applied Demography) who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

Syllabuses

9052 Applications of Demography

3 points semester 1 or 2

The subject is a core requirement for the Graduate Certificate and Graduate Diploma in Applied Demography. Its purpose is to explore the way in which demographic theory, methods and data can contribute to decision making in government and the private sector. The first part of the subject consists of a series of lectures and guided reading. The remainder (the majority) of the subject examines the application of demography to problems such as setting Australia's immigration intake, establishing a system to monitor small area demographic change, evaluating the prospects for urban consolidation, and identifying markets for consumer products. Selected applications will be examined first in workshop format. Students will then work in small groups to elaborate how demography can contribute to solving a selected problem, assembling the requisite data, arguments and insights in the form of a short report.

assessment : project work

5628 Computer Applications in Demography

3 points semester 1 or 2

This subject is a core requirement for the Graduate Certificate and Graduate Diploma in Applied Demography. It aims to introduce students to the use of computers in demography including access to machine readable data sets, the use of spreadsheets and graphics, Internet resources for demographers and the application of software packages including computer mapping, data analysis and population projection software. Emphasis is placed on developing an understanding of the various data sources and software available, their uses and limitations, and on acquisition of practical skills in the use of computers to access and analyse demographic data.

assessment: practical work, project

4101 Demographic Projections and Forecasts

3 points semester 1 or 2

This subject is a core requirement for the Graduate Certificate and Graduate Diploma in Applied Demography. It aims to provide students with a sound understanding of the range of techniques used for making projections of population, households, and other demographic phenomena including participation in education and the labour market. Topics covered include the differences between estimates, predictions

and forecasts; projection methods applicable at different levels of scale their advantages and limitations; the scope and nature of forecasting work undertaken by various levels of Government in Australia and overseas; and the software packages available for forecasting. Emphasis is placed on developing applied skills in making projections and forecasts.

assessment: practical work, exam

2767 Family Demography

3 points semester 1 or 2

This subject examines the dynamics and determinants of family and household formation. It aims to provide students with a clear understanding of the nature of the family and household, the key demographic processes involved in their formation, change and dissolution, the social and economic circumstances which influence these processes, and the measures and techniques use in their analysis. Topics covered include definitions of the family and household; trends in the key processes influencing family and household formation (eg leaving the parental home, formation of marriage and consensual unions, fertility, separation, divorce and widowhood); demographic measures of fertility, marriage, divorce, etc, and how they are calculated; regional and local variations in family and household type; the evolution of the family and household in Australia and likely future trends.

assessment: practical work, essay, exam

2674 Households and Housing

3 points semester 1 or 2

This subject examines the relationship between population, family and household formation on the one hand, and the housing market on the other. Family and household formation influences the demand for housing and the type of housing that is required; in turn, the nature of the housing market affects the potential for household formation and the types of households that are formed. This subject aims to provide students with a clear understanding of the nature of this relationship and its implications for the housing sector, housing policy, and the analysis of household change at the national, regional and local levels. Emphasis is placed on emerging trends in household formation and the implications of demographic changes for the housing sector. Topics covered include sources of data on the housing sector; the overall housing circumstances of Australians and regional variations; housing careers; modelling the

relationship between households and the housing market; and the implications of demographic change for housing policy.

assessment: project, essay, exam

2296 International Migration

3 points semester 1 or 2

This subject examines the dynamics and determinants of international migration, with particular reference to Australia. It aims to provide students with a clear understanding of historical and contemporary patterns of immigration, to examine their impacts and implications, and to teach students appropriate methods of data interpretation and analysis. Emphasis is placed on current issues and emerging trends in immigration, including temporary labour migration, and their relationship to and implications for immigration policy. Topics covered include sources of data on immigration and emigration (past and present); theories of international migration; the role of immigration in Australia's population growth and distribution; settlement patterns of immigrants; Australia's immigration policy; temporary international labour migration; immigration and Australia's Asian context; and contemporary issues in immigration policy formulation.

assessment: practical work, essay, exam

2837 Introduction to Demography

This subject provides the foundation for the Graduate Certificate and Graduate Diploma in Applied Demography. It aims to introduce student to the basic theories, concepts, data and methods of analysis employed in demography. Topics covered include: the main sources and types of demographic data available in Australia and their interpretation; concepts of population change including the key dynamics of fertility, mortality, internal and international migration, ageing, family and household formation and dissolution, an overview of common analytical techniques including rates, ratios, standardisation, and elements of life table analysis; and an introduction to major demographic theories including the demographic, mobility and epidemiological transitions. The final section of the subject examines some of the key applications of demography. By the end of the course students should have a sound understanding of the scope and methods of demography, its fundamental theories and major applications.

assessment: practical work, essay, examination

3726 Labour Market Information Systems

3 points semester 1 or 2

This subject is concerned with the relationship between demographic trends and the labour market, with a particular focus on data sources containing labour market information, their use and interpretation. The subject first examines the range and quality of labour market data available in Australia at the national, regional and local levels, drawing on various sources including the Census, labour market surveys, and the Department of Social Security. Attention is then given to the application of these data to contemporary issues in Australian labour market dynamics. Topics covered include the derivation of labour market statistics; trends in labour market participation, employment and unemployment; the concept of natural labour markets, self-containment and work-residence relationships; the spatial distribution of unemployment; synthetic estimation; and the implications of labour market trends.

assessment: practical work, essay, exam

3750 Mortality and Morbidity

3 points semester 1 or 2

This subject examines the dynamics and determinants of mortality and morbidity in Australia. It aims to provide students with a clear understanding of historical trends and contemporary patterns in these key demographic processes and the standard demographic techniques employed for their analysis. Topics covered include sources of data and their interpretation, classification of causes of death, measures and techniques of analysis (including rates, survival analysis, and standardisation); simple and multiple decrement life tables; analysis of small area data; measurement of morbidity, morbidity data and patterns of hospitalisation. Emphasis is placed on equipping students with a clear working knowledge of techniques of analysis and on understanding their application to contemporary issues.

assessment: practical work, essay, exam

4187 Population Ageing

This subject is concerned with the dynamics of population ageing and its implications. It examines contemporary trends in population ageing at the national, regional and local levels and seeks to place the Australian situation in its national context. Measures of ageing and concepts such as population momentum will be explored. Attention is also given to regional and local variations in age structure and their determinants, focusing particularly on the relative

significance of migration and ageing-in-place. The subject then turns to the impacts and implications of ageing for a range of social and economic issues, including the provision of housing, income, health and other aged services.

assessment: practical work, essay, exam

7131 Population Mobility and Internal Migration

3 points semester 1 or 2

This subject examines the dynamics and determinants of population mobility and internal migration, focusing particularly on Australia. It aims to provide students with a clear understanding of contemporary levels of mobility, patterns of migration and techniques of analysis, and to examine the impacts and implications of mobility. Topics covered include the conceptual and analytical definitions of mobility and migration; source of migration data and their interpretation; methods and techniques of analysis (including mobility rates, migration expectancies, chronic mobility and duration of residence); theories of migration; analysis of small area data; contemporary patterns of population redistribution; mobility differentials; life course analysis of migration careers; and migration modelling. Emphasis is placed on equipping students with a clear working knowledge of techniques of analysis and on understanding their application to contemporary issues.

assessment: practical work, essay, examination

5082 Small Area Demographic Data

3 points semester 1 or 2

This subject is concerned with methods of analysis and interpretation of demographic data at the small area level, such as LGAs, SLAs, postcodes and CCDs. Its scope extends to a wide range of substantive material from different sources including Census data, administrative by-product statistics (such as unemployment data), land and housing information and local government records. The aim of the course is to acquaint students with the range of data which are available at the small area level, methods of accessing such data, and techniques of analysis and interpretation. Emphasis is placed on the use of such data to address a range of policy issues at the local and regional level.

assessment: practical work, essay, exam

3183 Dissertation in Applied Demography

12 points semester 1 or 2

A dissertation of approximately 20,000 words to be written under the supervision of one or more staff members on a topic approved by the Faculty. It should demonstrate the candidate's capability in applying the knowledge, skills and techniques learned in the course work undertaken for the degree to a contemporary problem or issue in the field of population studies.

Master of Arts (Applied Historical Studies)

This award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with the General Course Rules as well as the Specific Course Rules below, they are advised to refer to them to understand their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the degree of Master of Arts (applied Historical Studies) shall

- (a) have qualified for an Honours degree of the University at IIA standard or higher in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a Honours degree of the University *or*
- (b) have qualified for the Graduate Diploma in Applied Historical Studies at Credit level or higher

1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Duration of award

To qualify for the degree a student shall satisfactorily complete a course of three semesters of full-time study or not more than three years of continuous part-time study

3 Course requirements

To qualify for for the degree of Master of Arts (Applied Historical Studies) candidates shall complete a program of study to a total of 36 points as follows:

3.1 Coursework Subjects

All students shall satisfactorily complete the following:

6132 Public History: Principles and Practice	6
5935 Heritage and History in Contemporary Australia	6
2850 Practical History Workshop I	6
1303 Practical History Workshop II	6

3.2 Special Research Project

All students shall complete one 12-point Research Project of up to 20,000 words:

either

2515 Research Project in Applied Historical Studies F/T 12

or

5854 Research Project in Applied Historical Studies P/T 12

3.2.1 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the Special Research Project to the Faculty, after it has been passed and accepted for the degree.

4 Status, exemption and credit transfer

4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.

4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

4.3 In any case, no candidate will be awarded more than 12 points of status, except for those candidates who have completed the Graduate Diploma in Applied Historical Studies (see Rule 6 below).

4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

5.1 There shall be four classifications of pass in any subject for the degree of Master of Arts (Applied Historical Studies): Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the

satisfaction of the teaching staff concerned.

- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

6.1 A candidate for the Master of Arts (Applied Historical Studies) who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those degrees as appropriate.

6.2 A candidate who has been admitted to the Graduate Diploma in Applied Historical Studies and who subsequently satisfies the requirements for the Master of Arts (Applied Historical Studies) must surrender the Graduate Diploma before being admitted to the Masters degree.

6.3 A candidate for the degree of Master of Arts (Applied Historical Studies) who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

Syllabuses

6132 Public History: Principles and Practice

6 points semester 2

This subject provides an overview of public history and historiography. Topics to be covered include social uses of the past, relations between 'academic' and 'professional' history, the historian as expert, popular history, history and/in the media, history and cultural identity, and varieties of historical writing. There will be a program of assigned readings for each week, together with lectures and guest speakers.

assessment: essay, seminar papers, group project

5935 Heritage and History in Contemporary Australia

6 points semester 1

This subject explores changing attitudes towards 'heritage', in both the built and natural environment, raising questions about the visible past and why we should (or should not) seek to preserve it. Topics covered include the definition of heritage, the rise of heritage consciousness, heritage and public policy, historical buildings, sites and precincts, and the presentation of the past in historical museums.

assessment: essay, seminar papers, group project

2850 Practical History Workshop I

6 points semester 1

4 hours, including workshops, a week

This subject will provide an introduction to methods and techniques of research and presentation for the applied historian, including sessions on bibliography, interview techniques, archives and manuscripts, computers and the historian, historical writing and editing. Students also undertake an internship in a local historical agency or institution.

assessment: essays, exercises, workshop participation

1303 Practical History Workshop II

6 points semester 2

4 hours, including workshops, a week

Units in this subject vary according to the availability of expertise and student demand, but could include some or all of the following: Built Environment and the Historian, Local and Commissioned History, Regional History, Business History, Family History, Aboriginal History, History and Tourism, Archives and Records Management, Museums Skills for the

historian. Students also undertake an internship in a local historical agency or institution.

assessment: essays, exercises, workshop participation

2515 Research Project in Applied Historical Studies F/T

12 points semester 1 or 2

5854 Research Project in Applied Historical Studies P/T

12 points full year

Special Research Project for private or public client developed in consultation with, and approved by, the subject convenor

assessment: dissertation/report of up to 20,000 words or equivalent of comparable substance

Master of Arts (Applied Linguistics)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the degree of Master of Arts (Applied Linguistics) shall have:

- (a) qualified for an Honours degree of the University at IIA standard or higher, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a Honours degree of the University *or*
- (b) qualified for a Graduate Diploma in Applied Linguistics at a Credit level or higher *or*
- (c) qualified for an Ordinary degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years' approved professional work experience.

2 Duration of course

To qualify for the degree, a candidate shall satisfactorily complete one and a half years of full-time study or not more than three years of part-time study.

3 Course requirements

To qualify for the degree, a candidate shall have passed at least one full year of any language other than English (LOTE) at tertiary level, or the equivalent, and satisfactorily complete subjects to the value of 36 points, as follows:

3.1 Core subject

All candidates, except those covered by clauses 4.4 and 4.5 below, shall complete the following subjects:

2207	Foundations of Linguistics IV A	6
9836	Foundations of Linguistics IV B	6
5066	Language other than English (if required)	0

3.2 Elective subjects

All candidates shall complete elective subjects to the value of 12 points chosen selected from the following:

3305	Advanced English Language Development for Educational and Academic Purposes	3
8500	Australian Cultural Studies (Linguistics) IV	6
7556	Computer Assisted Language Learning IV	6
8766	Computer Assisted Language Learning Project IV	6
8992	Computer Assisted Language Learning A	3
7347	English as a Foreign Language Teaching Methods	3
2030	English for Professional Purposes IV	6
	English Language Teaching in Specific Settings A	3
8217	Functional Grammar and Discourse IV	6
8538	Kaurna Language and Language Ecology IV	6
1170	Language and the Environment IV	6
5115	Language Cognition and Reality IV	6
4306	Language Maintenance and Language Planning IV	6
6933	New Literatures in English IV	6
7054	Special Topic in Linguistics IV	6

3.3 No candidate will be permitted to count for the award any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

3.4 Dissertation

All candidates shall complete either the full-time or the part-time version of the dissertation:

5049	Dissertation in Linguistics (F-T)	12
	<i>or</i>	
3498	Dissertation in Linguistics (P-T)	12

3.4.1 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the Special Research Project to the Department, after it has been passed and accepted for the degree.

4 Status, exemption and credit transfer

- 4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3 In any case, no candidate will be awarded more than 12 points of status, except for those candidates who have completed the Graduate Diploma in Applied Linguistics (see Rule 6 below).
- 4.4 Students who have taken Foundations of Linguistics II or III in an undergraduate degree will be exempt from the core topics Foundations of Linguistics IVA and IVB and will substitute two additional electives.
- 4.5 Any candidate who has not passed a language other than English (LOTE) subject at tertiary level is required also to complete one year of study in a LOTE concurrently with the requirements of Rule 4 of the award.
- 4.6 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the degree of Master of Arts (Applied Linguistics): Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

- 6.1 A candidate for the Master of Arts (Applied Linguistics) who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those degrees as appropriate.
- 6.2 A candidate who has been admitted to the of Graduate Diploma in Applied Linguistics and who subsequently satisfies the requirements for the Master of Arts (Applied Linguistics) must surrender the Graduate Diploma before being admitted to the Masters degree.
- 6.3 A candidate for the degree of Master of Arts (Applied Linguistics) who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

Syllabuses

Core subjects

2207 Foundations of Linguistics IVA

6 points semester 1

See semester 1 of 4914 Foundations of Linguistics III for content details

assessment: 4000 word essay, 5 practical exercises or annotated diary of data observation, analysis, totalling 5000 words

9836 Foundations of Linguistics IVB

6 points semester 2

See semester 2 of 4914 Foundations of Linguistics III for content details

assessment: 4000 word essay, 5 practical exercises or annotated diary of data observation, analysis, totalling 5000 words

5066 Language Other Than English

0 points full year

Any Level I language other than English

assessment: as required by relevant teaching department

Elective subjects

8500 Australian Cultural Studies (Linguistics) IV

6 points semester 1

See 1834 Australian Cultural Studies III for syllabus details

7556 Computer Assisted Language Learning IV

6 points semester 1 or 2

See 1577 Computer Assisted Language Learning III for syllabus details

8766 Computer Assisted Language Learning: Project IV

6 points semester 2

See 4829 Computer Assisted Language Learning Project III for syllabus details

2030 English for Professional Purposes IV

6 points semester 1

See 4720 English for Professional Purposes III for syllabus details

8217 Functional Grammar and Discourse IV

6 points semester 1

See 8276 Functional Grammar and Discourse III for syllabus details

8538 Kaurua Language and Language Ecology IV

6 points semester 2

See 7681 Kaurua Language and Language Ecology III for syllabus details

1170 Language and the Environment IV

6 points semester 2

See Language and Environment III for syllabus details

3355 Language, Cognition and Reality IV

6 points semester 2

See 8262 Language, Cognition and Reality III for content details

assessment: 4000 word essay, 5 practical exercises or annotated diary of data observation, analysis, totalling 5000 words

4306 Language Maintenance and Language Planning IV

6 points semester 1

See 6549 Language Maintenance and Language Planning III for content details

assessment: 4000 word essay, 5 practical exercises or annotated diary of data observation, analysis, totalling 5000 words

6933 New Literatures in English IV

6 points semester 1

See 2473 New Literatures in English III for syllabus details

5358 Questions of Postmodernism IV

6 points not offered in 2000

See English Department for syllabus details

7054 Special Topic in Linguistics IV

6 points semester 2

Content is based on areas of expertise of Distinguished Visiting Scholars

assessment: 4000 word essay; 5 practical exercises or annotated diary of data observation; analysis to a total of 5000 words

Dissertation

5049 Dissertation in Linguistics (F-T)

12 points semester 1 or 2

Contact hours to be advised

Dissertation of 18000 words.

3498 Dissertation in Linguistics (P-T)

12 points full year

Contact hours to be advised

Dissertation of 18000 words.

Master of Arts (Creative Writing)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1. Admission requirements

1.1 An applicant for admission to the course of study for the degree of Master of Arts (Creative Writing) shall

- (a) have qualified for the Graduate Diploma in Creative Writing at a standard acceptable to the Department *or*
- (b) have qualified for an Honours degree of the University at IIA standard or higher, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a Honours degree of the University *and*
- (c) have presented a suitable portfolio of creative writing.

1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2. Duration of course

To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising two years of full-time study or not more than four years of part-time study.

3. Course requirements

To qualify for the degree of Master of Arts (Creative Writing), a candidate shall satisfactorily complete subjects to the value of 36 points, as follows:

3.1 Core subjects

All candidates shall complete the following subjects:

4581	Advanced Work in Progress	8
833	Creative Writing Study A	4
7019	Creative Writing Study B	4
4320	Work in Progress	8

3.2 Dissertation

All candidates shall complete the following subject:

6323 Creative Writing Dissertation 24

3.2.1 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the Special Research Project to the Faculty, after it has been passed and accepted for the degree.

4. Status, exemption and credit transfer

4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.

4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

4.3 In any case, no candidate will be awarded more than 12 points of status, except for those candidates who have completed the Graduate Diploma in Creative Writing (see Rule 7 below).

4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned

5. Assessment and examinations

5.1 There shall be four classifications of pass in any subject for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.
- 6 Articulation with other awards**
- 6.1 A candidate for the Master of Arts (Creative Writing) who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those degrees as appropriate.
- 6.2 A candidate who has been admitted to the of Graduate Diploma in Creative Writing and who subsequently satisfies the requirements for the Master of Arts (Creative Writing) must surrender the Graduate Diploma before being admitted to the Master degree.
- 6.3 A candidate for the degree of Master of Arts (Creative Writing) who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

Syllabuses

4581 Advanced Work in Progress

8 points semester 2

prerequisite: 1887 Work in Progress seminar

This subject advances the work begun in 4320 *Work in Progress*.

4833 Creative Writing Study A

8 points semester 1

This subject will focus on the reading and analysis of literary texts. Student writers will be able to explore the crossflow between critical and creative reading and writing.

7019 Creative Writing Study B

8 points semester 2

This subject advances the work begun in 4833 *Creative Writing Study A*

4320 Work in Progress

8 points semester 1

This subject provides a forum for presentation and discussion of current student writing in various creative genres; notably novel, short fiction, poetry and drama. Seminars will focus on literary themes, theories and models. Participants will read and discuss each other's work and a wide selection of published writing.

Dissertation

6323 Creative Writing Dissertation

24 points full year

Supervision, arranged with course convener

prerequisite: Grad. Dip. Creative writing or equivalent

An extended writing project in a single literary genre.

assessment: dissertation of a length appropriate to the genre of creative writing selected, as determined by agreement with course convener

Master of Arts (International Studies)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1. Admission requirements

1.1 An applicant for admission to the course of study for the degree of Master of Arts (International Studies) shall

- (a) have qualified for an Honours degree of the University at IIA standard or higher, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a Honours degree of the University *or*
- (b) have qualified for the Graduate Diploma in International Studies at Credit level or higher *or*
- (c) have qualified for an Ordinary degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years' approved professional work experience.

1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2. Duration of course

To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising three semesters years of full-time study or not more than three years of part-time study.

3. Course requirements

To qualify for the degree of Master of Arts (International Studies), a candidate shall satisfactorily complete subjects to the value of 36 points, as follows:

3.1 All candidates shall complete the following subjects:

3094 Graduate International Studies A	6
8414 Graduate International Studies B	6
9083 International Studies IVA	6
5618 International Studies IVB	6

3.2 No candidate will be permitted to count for the Graduate Diploma any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

3.3 Dissertation

All candidates shall complete either the full-time or the part-time version of the following subject:

2612 Dissertation in International Studies F/T	12
9559 Dissertation in International Studies P/T	12

3.3.1 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the dissertation to the Department, after it has been passed and accepted for the degree

4. Status, exemption and credit transfer

4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.

4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

4.3 In any case, no candidate will be awarded more than 12 points of status, except for those candidates who have completed the Graduate Diploma in International Studies (see Rule 6 below).

4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1** There shall be four classifications of pass in any subject for the degree of Master of Arts (International Studies): Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2** (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3** A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed

6 Articulation with other awards

- 6.1** A candidate for the Master of Arts (International Studies) who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those degrees as appropriate.
- 6.2** A candidate who has been admitted to the of Graduate Diploma in International Studies and who subsequently satisfies the requirements for the Master of Arts (International Studies) must surrender the Graduate Diploma before being admitted to the Masters degree.
- 6.3** A candidate for the degree of Master of Arts (International Studies) who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

Syllabuses

3094 Graduate International Studies A

6 points semester 1

This subject will be concerned with the structure and international activity of nation states which are of contemporary significance. The South East Asian region will be the focus of the examples discussed. The seminars will be designed to provide students with insights into leading edge problems, controversies and research methods appropriate to the major International Studies issues of the day. The seminar is designed to generate information, heighten awareness and increase familiarity with a range of research techniques, reveal intellectual and public policy controversies and develop presentation methods.

assessment: essay and seminar presentation to a total of 8000 words

8414 Graduate International Studies B

6 points semester 2

This subjects studies the way in which the world has changed since the end of the Cold War. It considers the changed role of the USA (now the only super-power), Russia, China and Europe as well as the nature of globalisation and its impact on the countries of the South East Asian region.

assessment: essay and seminar presentation to a total of 8000 words

9083 International Studies IVA

6 points semester 1 or 2

On advice from the Convenor of International Studies, students choose from a range of subjects in disciplines taking international studies perspective.

assessment: essay and seminar presentation to a total of 8000 words

5618 International Studies IVB

6 points semester 1 or 2

On advice from the Convenor of International Studies, students choose from a range of subjects in disciplines taking international studies perspective.

assessment: essay and seminar presentation to a total of 8000 words

2612 Dissertation in International Studies F/T

12 points semester 1 or 2

Dissertation on an International Studies topic approved by the Convenor of International Studies.

assessment: dissertation of 15000 words

9559 Dissertation in International Studies P/T

12 points full year

Dissertation on an International Studies topic approved by the Convenor of International Studies.

assessment: dissertation of 15000 words

Master of Arts (Labour Studies)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the degree of Master of Arts (Labour Studies) shall:

- (a) have qualified for an Honours degree of the University in an appropriate field of study, at IIA standard or higher, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a Honours degree of the University *or*
- (b) have qualified for a Graduate Diploma in Labour Studies at a credit level or higher *or*
- (c) have qualified for an Ordinary degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years' approved professional work experience.

2 Duration of course

To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising three semesters of full-time study or not more than six years of part-time study.

3 Course requirements

3.1 Core subject

All candidates shall complete coursework subjects to the value of 12 points selected from the following:

5565 Labour Movements IV	6
2822 Labour Strategies IV	6
3649 Political Economy of Globalisation IV	6
7489 Social and Labour Research IV	6
8506 Theorising Work and Society IV	6

3.2 Elective subjects

All candidates shall complete elective subjects to the value of at least 12 points chosen from the core subjects listed in 4.1 or the following:

5718 International Political Economy IV	6
6112 Labour Market Studies IV	6
4657 Labour Research Networking IV	6
3210 Learning and the Workplace	3
1598 Learning and the Work Place IV	4
3368 Managing Education for Work	3
1882 Managing Education for Work IV	4
4894 Regional Industry Development	3
5194 Regional Industry Development IV	4
4688 Sustaining Regional Development	3
6322 Sustaining Regional Development IV	4

3.3 No candidate will be permitted to count for the degree any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

3.4 All candidates shall complete either the full-time or the part-time version of the following subject:

4625 Labour Studies Dissertation F/T	12
<i>or</i>	
7132 Labour Studies Dissertation P/T	12

3.4.1 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the Special Research Project to the Department, after it has been passed and accepted for the degree.

4 Status, exemption and credit transfer

4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.

4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

4.3 In any case, no candidate will be awarded more than 12 points of status, except for those candidates who have completed the Graduate Diploma in Labour Studies (see Rule 6 below).

- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the degree of Master of Arts (Labour Studies): Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed

6 Articulation with other awards

- 6.1 A candidate for the Master of Arts (Labour Studies) who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those degrees as appropriate.
- 6.2 A candidate who has been admitted to the of Graduate Diploma in Labour Studies and who subsequently satisfies the requirements for the Master of Arts (Labour Studies) must surrender the Graduate Diploma before being admitted to the Masters degree.
- 6.3 A candidate for the degree of Master of Arts (Labour Studies) who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma

Syllabuses

5718 International Political Economy IV

6 points not offered in 2000

3 hours per week; visits to local institutions with links to the international economy

Theories of International Political Economy; the establishment of world markets; Post World War II International Political Economy; the General Agreement on Tariffs and Trade and the World Trade Organisation, the International Monetary Fund and the World Bank, Multinational Corporations; the breakdown of the Cold War International Political Economy; the COMECON system; the alleged decline of US hegemony; the demise of socialism in the Soviet Union, Eastern Europe and its decline in China; the economic integration of Europe; the North American Free Trade Area; Japan and the Asian 'Tigers'; China and the Asian 'Tigers'; Asian regionalism including Asia Pacific Economic Cooperation (APEC), East Asia Economic Caucus (EAEC) and the Association of South East Asian Nations (ASEAN); Globalisation; changes in technology, investment, trade, finance, currency and labour arrangements; deregulation and restructuring of the nation state - the "Washington Consensus"; the domestic consequences of Globalisation for Australia - political and economic.

assessment: essays to total of 8000 words

6112 Labour Market Studies IV

6 points not offered in 2000

3 hour class each week

This subject provides an overview of models of labour markets in terms of both orthodox and heterodox economic theory. It aims to develop students' ability to evaluate current developments with respect to patterns of participation in paid and unpaid work, wages dispersion and relativities, employment and unemployment policy, labour market programs and education and training.

assessment: essay, other written work to total of 8000 words

5565 Labour Movements: IV

6 points semester 1

restrictions: 8640 Union studies IIIA; 1247 Union Studies IIIA (BA); 7612 Union Studies III; 2264 Union Studies III (BA); Union Studies IVA

Theories about industrial relations and unions are explored with a focus upon the explanations for current union decline and prospects for unions in the future. The implications of unitarist, pluralist, marxist,

feminist and post-modernist theories and critiques are explored. Experience in unionism in the U.S. and England is investigated with a particular focus on union survival, democracy, organising and the situation of women and other under-organised and under-represented groups.

assessment: essays to a total of 8000 words

4657 Labour Research Networking IV

6 points not offered in 2000

This subject aims to introduce students to the wealth of labour research data available on the Australian Academic Research Data Network and the Internet. Students will have the opportunity to develop their skills in a range of search techniques using information server networks such as the gopher and the World Wide Web, and remote data bases such as automated library catalogues and social science data sets. They are required to find relevant research data and to retrieve it by electronic mail or file transfer in order to process it with word-processing, spreadsheet and database management software on a local personal computer.

assessment: computer communications exercise 12.5%, word processing exercise 12.5%, spreadsheet exercise 12.5%, database management exercise 12.5%; 4000 word essay 50%

2822 Labour Strategies IV

6 points not offered in 2000

restrictions: 7295 Union Studies IIIB; 1749 Union Studies IIIB (BA); 7612 Union Studies III; 2264 Union Studies III (BA); Union Studies IVB

Approaches to the study of trade unions and industrial relations; theoretical frameworks for the explanation of industrial disputation and the repertoire of roles played by employers, managers, workers and their unions; the legal framework for the regulation of industrial relations and for safety and equity in employment, the relationship between the industrial relations strategy of the trade union movement and the economic development strategy of the government.

3210 Learning and the Workplace

3 points not offered in 2000

1 lecture, 2 hour seminar per week

Trends and issues in learning and work- learning organisations, workers as learners, organisational learning, the role of organisations in learning. Models for learning organisations, workplace learning.

Australian approaches to workplace learning. Learning organisations in the Asian context.

assessment: position paper 20%, seminar paper 30%, action learning project 50% equivalent to 1200 words per point

1598 Learning and the Workplace IV

4 points not offered in 2000

See 3210 Learning and Workplace for syllabus details

3368 Managing Education for Work

3 points not offered in 2000

1 lecture, 2 hour seminar per week

Education, the economy and work - the impact of globalisation, educational responses, local/international case studies. Development and change in vocational education and training in Australia - global/national/local challenges. Emergent discourses - lifelong learning, learning societies. Managing educational change.

assessment: essay 25%, seminar paper 15%, negotiated policy/practice project 60% to equivalent of 1200 words per point

1882 Managing Education for Work IV

4 points not offered in 2000

See 3368 Managing Education for Work for syllabus details

3649 Political Economy of Globalisation IV

6 points semester 2

restrictions: 7380 Political Economy; 3294 Political Economy IIIB (BA); 1310 Political Economy III; 4211 Political Economy III (BA); 5099 Political Economy IVB

The role of the state in a capitalist economy; the public sector and the state process; the policy making process in Australia – the major actors and institutions; the involvement of trade unions in Australian public policy making; women and public policies; macroeconomic government strategies; government budgetary policies on taxation; government budgetary expenditures; monetary policy; trade and industry policy; labour market, wages and other work-related policies; the size and role of the public sector.

4894 Regional Industry Development

3 points not offered in 2000

2 lectures, 1 tutorial per week

This subject examines the economic role of government in Australia in relation to key issues in contemporary industry and regional development policy. It aims to provide students with a clear understanding of the key state and federal policies that have influenced economic, industry and regional development in Australia over the past decade. It examines intra and inter governmental decision making processes and the influence of business, community and trade unions on policy formulation and implementation. Topics covered include an understanding of the role of government in industry and regional development; globalisation; contemporary debates on the economic role of government in public policy; state and federal relations; the impact of competition policy on the States; the impact of privatisation and contracting out on the role of government; organisational structures and development within regions; and a review of contemporary strategies for economic, industry and regional development, a national and international comparative analysis.

assessment: written work equivalent to 1200 words per point

5194 Regional Industry Development IV

4 points not offered in 2000

See 4894 Regional Industry Development for syllabus details

7489 Social and Labour Research IV

6 points not offered in 2000

An investigation of social and labour research paradigms, approaches and methods; policy development processes and outcomes; policy and research as approaches to social analysis; emergent trends and issues in social and labour research.

assessment: seminar paper 20%; case study 30%; essay 50%

4688 Sustaining Regional Development

3 points not offered in 2000

2 lectures, 1 tutorial per week

This subject provides students with a practical understanding of employing integrated industry auditing and GIS technologies in the development of economic, industry and regional development policies

for government and in the formulation of investment decisions for the private sector. The subject focuses on the role of networking in regional and industry development. Topics covered include: labour market analysis and skills audits; applications of economic modelling; preparation and analysis of location quotients; infrastructure and land use needs assessment for future economic and industry development; social auditing and benchmarking; integrating GIS applications with industry auditing; networking as industrial strategy.

assessment: written work equivalent to 1200 words per point

6322 Sustaining Regional Development IV

4 points not offered in 2000

See 4688 Sustaining Regional Development for syllabus details

8506 Theorising Work and Society IV

6 points semester 2

restrictions: 2407 Work Studies III; 5465 Work Studies III; 3894 Work Studies IIIA; 9278 Work Studies IIIA (BA); Work Studies IVA

This subject extends the analysis of issues raised in previous studies of work and society from the perspectives of class, gender and ethnicity. The content will focus on current theoretical debates in the following areas: changes in work and family life under capitalism; the structure of labour markets; labour process theory and its critiques, work and technology; Fordism, post-Fordism and new production systems; contemporary management strategies and workplace relations; flexibility in the workplace and the labour market; the future of paid and unpaid work.

assessment: essays to a total of 8000 words

Dissertation

4625 Labour Studies Dissertation F/T

12 points semester 1 or 2

7132 Labour Studies Dissertation P/T

12 points full year

contact: 1 hour supervision per week

15000-18000 word dissertation

Master of Arts (Philosophy)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1. Admission requirements

- 1.1 An applicant for admission to the course of study for the degree of Master of Arts (Philosophy) shall have qualified for a Graduate Diploma in Philosophy with a credit average and have obtained at least 70% in two Advanced Philosophy electives.
- 1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2. Duration of course

To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising one and one-half years of full-time study or not more than three years of part-time study.

3. Course requirements

To qualify for the degree, a candidate shall satisfactorily complete subjects to the value of 36 points, as follows:

- 3.1 All candidates shall satisfactorily complete the following subjects

4313 Masters Philosophy Seminar	6
<i>and</i> three of the following:	
4708 Epistemology (PG)	6
9673 Metaphysics (PG)	6
9522 Modern Moral Philosophy (PG)	6
4482 Political and Legal Philosophy (PG)	6

3.2 Dissertation

All candidates shall complete one of the following subjects:

5398 Dissertation in Philosophy F/T	12
<i>or</i>	
1695 Dissertation in Philosophy P/T	12

4. Status, exemption and credit transfer

- 4.1 Except with the special permission of the Head of the Department of Philosophy, no candidate will be granted status for any of the subjects of the degree except candidates who have qualified for the Graduate Diploma in Philosophy. Intending students must consult with the Head of Department to discuss their proposed course of study.
- 4.2 No candidate shall be granted status for subjects with a total value of more than 24 points.
- 4.3 No candidate will be permitted to count for the degree any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5. Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) a candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned
- (b) for the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6. Articulation with other awards

- 6.1 A candidate who has been admitted to the Graduate Diploma in Philosophy and who has been granted status toward the degree for

subjects presented for the Graduate Diploma to a value of more than 6 points must surrender the Graduate Diploma before being admitted to the degree.

- 6.2 A candidate for the degree of Master of Arts (Philosophy) who satisfies the requirements for the Graduate Diploma but who does not complete the requirements of the degree may be admitted to the Graduate Diploma.

Syllabuses

Core subject

4313 Masters Philosophy Seminar

6 points semester 1 or 2

The seminar program will examine in more depth at least three of the fields of Metaphysics, Epistemology, Ethics, and Political and Legal Philosophy addressed in the Graduate Diploma program, with students required to present major papers to the seminar group in two of these.

assessment: essays, seminar presentation

Elective subjects

4708 Epistemology (PG)

6 points semester 1 or 2

2 lectures, 1 tutorial per week

restrictions: 5902/1415 Theory of Knowledge II/III

A graduate level approach to modern epistemology. This subject will cover a range of topics including scepticism, relativism, foundationalism, the coherence theory and the problem of induction

assessment: 3 x 3000 word essays

9673 Metaphysics (PG)

6 points semester 1 or 2

2 lectures, 1 tutorial per week

restrictions: 5192 Metaphysics III

A graduate level approach to metaphysics. The subject will include a study of the problem of universals and related questions and will have a substantial historical content.

assessment: 3 x 3000 word essays

9522 Modern Moral Philosophy (PG)

6 points semester 1 or 2

2 lectures, 1 tutorial per week

restrictions: 3538/1237 Moral Problems II/III

A graduate level approach to modern moral philosophy focusing on practical ethics. Problems discussed will include abortion, euthanasia, invitro-fertilisation, genetic engineering, pornography and censorship, environmental ethics and sexual morality.

assessment: 3 x 3000 word essays

4482 Political and Legal Philosophy (PG)

6 points semester 1 or 2

2 lectures, 1 tutorial per week

restrictions: 7457/2305 Moral, Political and Legal Philosophy II/III. In addition, students may not include an elective which contains substantially the same material as any Philosophy subject which they may have taken at undergraduate level

A graduate level approach to political and legal philosophy. The subject will cover such areas as conceptions of democracy, feminism, liberalism, punishment and the nature of law and judicial decision.

assessment: 3 x 3000 word essays

Dissertation

6398 Dissertation in Philosophy F/T

12 points semester 1 or 2

1695 Dissertation in Philosophy P/T

12 points full year

prerequisites: Graduate Diploma in Philosophy

An original piece of research determined in consultation with the Head of the Department.

assessment: examination of dissertation

Master of Arts (Population and Human Resources)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the degree of Master of Arts (Population and Human Resources) shall

- (a) have qualified for an Honours degree of the University at IIA standard or higher, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a Honours degree of the University *or*
- (b) have qualified for a Graduate Diploma in Population and Human Resources at a Credit level or higher *or*
- (c) have qualified for an Ordinary degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years' approved professional work experience.

1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Duration of course

To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising three semesters of full-time study or not more than three years of part-time study.

3 Course requirements

To qualify for the degree, a candidate shall satisfactorily complete subjects to the value of 36 points, as follows:

3.1 Core subjects

All candidates shall complete the following subjects:

3790 Population Studies	4
2924 Computer Applications in Population Studies	4
1556 Population Data Analysis	4

4428 Human Resource Development	4
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3.2 Elective subjects

All candidates shall complete elective subjects to the value of 8 points selected from the following:

5678 Ageing of Populations	4
1762 Applied Demography	
4024 Demography of the Family	4
2757 Population and the Environment	4
1613 Population Management and Operations Research	4
4904 Population Mobility	4
9979 Regional Development and Planning	4
1745 Urbanisation and Development	4
7149 Women's Health and Child Survival	4

3.3 Research project

All candidates shall complete either the full-time or the part-time version of the following subject:

4193 Research Project (MA Population and Human Resources F/T)	12
<i>or</i>	
1065 Research Project (MA Population and Human Resources P/T)	12
<i>or</i>	
6874 Research Paper in Population and Human Resources	8
<i>and</i>	
one additional elective from the list above	4

4 Status, exemption and credit transfer

4.1 Except with the special permission of the Head of the Department of Geography, no candidate will be granted status for any of the core subjects of the degree except candidates who have qualified for the Graduate Diploma in Population and Human Resources.

4.2 No candidate shall be granted status for subjects with a total value of more than 12 points, except candidates who have qualified for the Graduate Diploma in Population and Human Resources

who may be granted up to 24 points of status (see 6.1 below).

- 4.3 No candidate will be permitted to count for the degree any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Master of Arts (Population and Human Resources): Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

- 6.1 A candidate who has been admitted to the Graduate Diploma in Population and Human resources and who has been granted status toward the degree for subjects presented for the Graduate Diploma to a value of more than 8 points must surrender the Graduate Diploma before being admitted to the degree.
- 6.2 A candidate for the degree of Master of Arts (Population and Human Resources) who satisfies the requirements for the Graduate Diploma but who does not complete the requirements of the degree may be admitted to the Graduate Diploma.

Syllabuses

The University of Adelaide and Flinders University of South Australia jointly offer subjects for the Master of Arts in Population and Human Resources. Teaching of the subjects is divided between Flinders and Adelaide Universities. However, students should enrol at the University of Adelaide.

compulsory core subjects

2924 Computer Applications in Population Studies

4 points semester 1 or 2

This subject is offered to complement the core topic Population Data Analysis as a cognate and to provide students undertaking thesis work with a working knowledge of the use of the computer and SPSS. Students are introduced to the use of both the micro and mainframe computer to carry out exercises in the Population Data Analysis course. This course also demonstrates the use of a range of software packages, eg Microsoft Word, graphic packages, population estimation and analysis programs.

assessment: satisfactory completion of workshops

4428 Human Resource Development

4 points semester 1 or 2

An examination of human resource issues and planning with special reference to Indonesia and the Asia-Pacific Region. The topic includes analysis of labour force and labour markets in developing countries, an introduction and critical evaluation of major approaches to manpower planning and educational planning, policies and planning of health and nutritional improvement, inter-relationships between education, health and population, and policies and planning for population distribution and mobility. The topic provides an overview to analysis and issues, and deals with selected case studies in the Asia-Pacific region on all those subjects.

assessment: exam, major essay, minor essay, tutorial papers, presentations

1556 Population Data Analysis

4 points semester 1 or 2

4 hours per week

The subject aims to give students a working knowledge of a range of the basic techniques required in the analysis of population change and distribution, and of population development interrelationships. It will impart practical skills in analysis and interpretation of

population data and trends, focusing particularly on analysis of fertility, migration and labour force data, and on projections. It will also highlight the major variables of interest in the study of population and development, critically examining and providing students with practical experience in applying various techniques to testing major theories in this field.

assessment: workshop; project; exam

3790 Population Studies

4 points semester 1 or 2

3 hours per week

The subject aims to give students a background in the major concepts, theories and approaches to demography. It introduces students to major world demographic patterns and then takes each major demographic process in turn and examines the major methods of measurement which are used for that process, the major patterns of that process in more developed and less developed countries, differentials between groups with respect to the process and major explanations of changes in that process. This approach is applied to consideration of mortality, fertility, internal migration, international migration, urbanisation, ageing, labour force and human resource issues.

assessment: exam, essay and written tutorial paper, review of journal article

elective subjects

5678 Ageing of Populations: Causes and Consequences

4 points semester 1 or 2

This subject aims firstly to give students a thorough background in contemporary patterns and levels of growth of the older population in both Less Developed and More Developed countries. It examines the causes of the current and impending rapid growth of the aged and the complex interface between ageing of populations and economic development and social change in relation to the changing relationships between generations. The changing characteristics of the elderly in LDCs and MDCs are explored. The implications of ageing for provision of health services, providing economic support for the aged, housing and other areas of public policy are discussed in relation to both LDCs and MDCs. Changing patterns of behaviour of the elderly with respect to housing, permanent and temporary migration and health are also examined.

assessment: essay; book review; seminar; exam

1762 Applied Demography

4 points semester 1 or 2

This subject provides students with the theoretical basis, methodological skills and concepts to apply demographic knowledge to real world social planning and business problems. The basis of all planning in the public and private sectors is an understanding of the people for which they are providing goods and services to. However, the incorporation of demographic elements into planning and policy making is lacking in Australia. The course involves a strong methodological component and addresses particularly the issue of anticipating population change and the whole area of population projection. Another focus will be the use of small area demographic data for planning the spatial distribution of goods and services. In addition, the use of demography in human resource planning, corporate planning and site location. Full consideration is made of appropriate data sources and computer software.

assessment: exam; project; essay; seminar participation

4024 Demography of the Family

4 points semester 1 or 2

This subject aims firstly to give students a thorough background in contemporary patterns and levels of growth of the older population in both Less Developed and More Developed countries. It examines the causes of the current and impending rapid growth of the aged and the complex interface between ageing of populations and economic development and social change in relation to the changing relationships between generations. The changing characteristics of the elderly in LDCs and MDCs are explored. The implications of ageing for provision of health services, providing economic support for the aged, housing and other areas of public policy are discussed in relation to both LDCs and MDCs. Changing patterns of behaviour of the elderly with respect to housing, permanent and temporary migration and health are also examined.

assessment: essay; book review; seminar; exam

2757 Population and the Environment

4 points semester 1 or 2

The topic introduces basic concepts and analysis of ecosystems and key interrelationships between population and environment within the context of development issues and policies. It deals with resource depletion and management, land use and agricultural systems related to population pressure, population mobility, urbanisation and environment and integrated approaches to population–environment planning.

assessment: essays; tutorial papers; major project

1613 Population Management and Operations Research

4 points semester 1 or 2

This subject is designed particularly for students with a professional background or specialised interest in the management of population programs including family planning and health. The major components of the course include population policies, population programs and projects, project management including its substantive and financial aspects, and management information systems. The course will also include a review of case studies from both developed and developing countries.

4904 Population Mobility

4 points semester 1 or 2

The topic aims firstly to cover in depth the major conceptual and measurement issues related to population movement in developing and developed societies. It deals with the major theories of population movement, its causes and consequences for social and economic change. Finally there is a consideration of planning and policy issues related to population movement, especially in developing countries.

assessment: 2 major essays; written, verbal tutorial work; exam

9979 Regional Development and Planning

4 points semester 1 or 2

This topic may include a study of the significance of the region and spatial analysis in development theory and practice, an examination of theories of regional development, case studies of particular regions, and a study of regional development policies. Particular emphasis may be given to the problems of low income regions in developing countries, and to the role of migration in regional development.

assessment: 1500 word paper; major report, essay

1745 Urbanisation and Development

4 points semester 1 or 2

An examination of the relationships between urbanisation and development with particular reference to Southmost Asia. The topic includes study of the causes of urbanisation, the relationships between urbanisation and development, the problems produced by urbanisation and urbanisation policies.

assessment: critique of 1,000 words and exam

7149 Women's Health and Child Survival

4 points semester 1 or 2

This subject is designed particularly for students with a professional background or specialised interest in the issues of women's health and child survival. The course will mainly comprise: (1) status of women's health in developing and developed countries and factors affecting them, giving particular attention to women's reproductive health, sexually transmitted diseases, and ante- and post-partum health care; and (2) child survival issues focussing on the Mosely-Chen framework for child survival analysis. Measurement and estimation of maternal, infant and child mortality will also be discussed.

Research

6874 Research Paper in Population and Human Resources

8 points semester 1 or 2

A supervised research paper of 6000-8000 words on a specific topic in the field of population and human resources. The research task will involve a literature review and an evaluation of research materials and/or the analysis of a data set relating to a particular problem/issue associated with the chosen topic. The paper should be in a form suitable for publication in a journal.

assessment: research paper of 6000-8000 words to be examined by a member of staff other than the supervisor

4193 Research Project (Population and Human Resources) F/T

12 points semester 1 or 2

1065 Research Project (Population and Human Resources P/T)

12 points full year

A report on a research task of 12,000 to 15,000 words, written under the supervision of a member of staff with expertise in the field of study. The project will enable students to develop areas of interest relating to the theoretical and research literature in Population Studies and Human Resources. The research task may involve a literature review, a study of a particular problem through collection and evaluation of research materials and/or the analysis of a data set.

Master of Arts (Public Affairs)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the degree of Master of Arts (Public Affairs) shall

- (a) have qualified for an Honours degree of the University at IIA standard or higher in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a Honours degree of the University *or*
- (b) have qualified for the Graduate Diploma in Public Affairs at Credit level or higher *or*
- (c) have qualified for an Ordinary degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years' approved professional work experience

1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree

2 Duration of course

To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising three semesters of full-time study or not more than three years of part-time study.

3 Course requirements

To qualify for the degree of Master of Arts (Public Affairs), a candidate shall satisfactorily complete subjects to the value of 36 points, as follows:

3.1 Core subjects

1883 Approaches to Policy	6
1592 Australian Public Policy: The Challenge of Change	6

3.2 Elective subjects

12 points selected from the following:

3603 Classics of State Theory (4 pt)	4
7021 Cross Currents: Critical Public Issues (4 pt)	4
5361 Directed Study P/G (4 pt)	4
8982 Doing Right in Institutions (4 pt)	4
4421 Graduate Internship (4 pt)	4
2970 Social Analysis and Feminist Theory (4 pt)	4
1080 Classics of State Theory (6 pt)	6
9629 Cross Currents: Critical Public Issues (6 pt)	6
3691 Directed Study P/G (6 pt)	6
9313 Doing Right in Institutions (6 pt)	6
2140 Graduate Internship (6 pt)	6
8974 Social Analysis and Feminist Theory (6 pt)	6

3.3 Dissertation

All candidates shall complete either the full-time or the part-time version of the following subject:

9426 Master of Arts (Public Affairs) Dissertation F/T	12
6221 Master of Arts (Public Affairs) Dissertation P/T	12

3.3.1 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the Special Research Project to the Faculty, after it has been passed and accepted for the degree.

4 Status, exemption and credit transfer

4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.

4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

- 4.3** In any case, no candidate will be awarded more than 12 points of status, except for those candidates who have completed the Graduate Diploma in Public Affairs (see Rule 6 below).
- 4.4** A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1** There shall be four classifications of pass in any subject for the degree of Master of Arts (Public Affairs): Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2** (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3** A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

- 6.1** A candidate for the Master of Arts (Public Affairs) who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those degrees as appropriate.
- 6.2** A candidate who has been admitted to the Graduate Diploma in Public Affairs and who subsequently satisfies the requirements for the Master of Arts (Public Affairs) must surrender the Graduate Diploma before being admitted to the Masters degree.
- 6.3** A candidate for the degree of Master of Arts (Public Affairs) who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

Syllabuses

compulsory core subjects

1883 Approaches to Policy

6 points

semester 1

This subject provides a comprehensive introduction to divergent theories and methodologies of policy and policy making. Students will be encouraged to reflect upon the strengths and weaknesses of the following perspectives in the study of policy formation and analysis: the rational-comprehensive approach or 'technical rationalism'; politically rational models of policy making; public choice models of policy making; post-positivist approaches to policy.

A goal in the subject will be to encourage students to think about the different social roles and skills assumed on behalf of policy analysts in these several approaches, for example, analyst as expert, as functionary, as social critic, as political actor. Topics and themes to be covered will include empiricism, incrementalism, rational choice theory, value norms in policy making and policy as discourse.

assessment: seminar paper, major essay

1592 Australian Public Policy: The Challenge of Change

6 points

semester 2

This subject examines the key recent debates on the institutions and processes of public policy formulation and the adequacy of policy administration and provision in Australia. Students will be introduced to the policy roles of the South Australian and Commonwealth public service in evolving institutional and political contexts. Attention will be paid to debates over public/private provision of services and the implications of recent changes for the future of Australia's constitutional and parliamentary structures. Leading executives and public servants will participate in seminar discussions.

assessment: seminar paper, major essay

elective subjects

3603 Classics of State Theory (4 pt)

4 points

semester 1

1080 Classics of State Theory (6 pt)

6 points

semester 1

In this subject, students will learn about the critical moments in the development of the state and develop an understanding of the essential parameters of

statecraft. Students will examine the greatest issues in the history of the state as well as the most historically influential analyses of those issues.

It will deal, both chronologically and thematically, with the following themes: idealist and realist understandings of statecraft; principles for the acquisition and retention of power; the preservation of order in a time of civil war; the idea of the balance of powers; the relationship between economic prosperity and liberal society; disputes over the idea of progress; the political rights of women; the development of the liberal democratic state; the multiform nature of modern liberal democratic constitutions; communist and fascist dictatorships; individual and social rights; the pros and cons of social justice.

assessment: seminar paper and major essay

7021 Cross Currents: Critical Public Issues (4 pt)

4 points

semester 1

9629 Cross Currents: Critical Public Issues (6 pt)

6 points

semester 1

This subject will examine strategies for identifying and evaluating critical global issues of the next century, including population, land use, food, energy and resources, global warming and global economic integration. Emphasis will be given to the global context of these issues and to the policy parameters which institutions, governments and corporations will face in coming decades.

assessment: seminar paper, major essay

8982 Doing Right in Institutions (4 pt)

4 points

semester 2

9313 Doing Right in Institutions (6 pt)

6 points

semester 2

Before 1990, it was rare to find a business with a code of ethics; now, it is rare to find one without a code (Farrel and Cobbin 1995). Universities, hospitals and research institutions have also established ethics committees. Talk-back radio, pronouncing on everything from genetic engineering to IVF, provides a popular forum for ethical debate and has the potential to impose the sanction of exposure. Where has this fascination with ethics come from? Why now? How does a secular, plural society arrive at common values and shared goals? What is a moral act, and how do we

decide? Do we have moral obligations only as individuals, or does society have responsibilities of its own? And are our responsibilities limited to other humans, or do animals and the natural environment have a claim on us?

From workplace relations to sexuality, from the history of moral thought to contemporary debates, this subject will introduce you to the burgeoning field of 'applied ethics,' while allowing you room to concentrate on issues of particular interest or professional relevance to you.

assessment: seminar paper, major essay

5361 Directed Study P/G (4 pt)

4 points semester 1 or 2

3691 Directed Study P/G (6 pt)

6 points semester 1 or 2

This subject will allow candidates to pursue an independent project or area of investigation developed in collaboration with a supervisor.

assessment: seminar paper and major essay

4421 Graduate Internship (4 pt)

4 points semester 1 or 2

2140 Graduate Internship (6 pt)

6 points semester 1 or 2

This subject will allow candidates to be placed in a government, public or private sector organisation and produce a policy paper developed in collaboration between the supervisor and the agency in question.

assessment: policy paper as directed

2970 Social Analysis and Feminist Theory (4 pt)

4 points semester 2

8974 Social Analysis and Feminist Theory (6 pt)

6 points semester 2

The purpose of the subject is to introduce students to broad categories of applied feminist social analysis, with a specific focus on feminist theory in relation to public policy and social practice in all spheres of society. Attention will be given to liberal, radical and socialist streams of feminist thought, as well as new developments in feminist critique including postcolonial, materialist and postmodernist feminism. Students will be encouraged to reflect upon the ways in which these perspectives open up essentially political

questions about the inter-related constraints of personal lives, economic roles and public policy.

assessment: seminar paper, major essay

Dissertation

9426 Master of Arts (Public Affairs) Dissertation F/T

12 points semester 1 or 2
or

6221 Master of Arts (Public Affairs) Dissertation P/T

12 points full year

All candidates shall satisfactorily complete the subject Dissertation MA (Public Affairs) which entails undertaking a research project and presentation of a dissertation of 15-20,000 words on a topic approved by the Course Coordinator. The Course Coordinator will appoint a supervisor(s) to guide the candidate's research.

Master of Arts (Women's Studies)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Students who commenced studies in the award of Master of Arts (Women's Studies) prior to 1998 should refer to the 1997 Calendar Volume II. Such students who wish to transfer to the new program should consult the department regarding any transition arrangements which may apply.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the degree of Master of Arts (Women's Studies) shall:

- (a) have qualified for an Honours degree of the University at IIA standard or higher in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a Honours degree of the University; or
- (b) have qualified for the Graduate Diploma in Women's Studies with a pass at credit level or higher in 6881 Contemporary Approaches to Feminist Research (or prior to 1998, a pass at credit level or higher in the Research Project).

2 Duration of course

To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising three semesters of full-time or not more than three years of continuous part-time study.

3 Course requirements

To qualify for the degree of Master of Arts (Women's Studies), a candidate shall satisfactorily complete subjects to the value of 36 points, as follows:

3.1 Core subjects

All students shall satisfactorily complete the following subjects:

6881 Contemporary Approaches to Feminist Research	6
5528 Theories of Feminism	6

- 3.1.1 Candidates who did not complete 6881 Contemporary Approaches to Feminist Research as part of the Graduate Diploma in Women's Studies will be required to complete that subject as part of the Master's program and achieve a result of Credit or higher prior to enrolling for the dissertation (see 4.3 below).

3.2 Elective subjects

12 points selected from the following:

9410 Australian Feminist History: A Survey	6
3612 Autobiographical Writings	6
4434 Exploring Sexualities	6
3919 Gender in a Post Colonial World IV	6
2649 Gender, Environment, Development (Women's Studies)	6
2360 Gender Relations and Social Policy	6
6297 Gender the Body and Health PG	6
7089 Gender Work and Society PG	6
4588 Popular Culture, Film and Representation (PG)	6
5756 Power and Difference: Post Colonial Perspectives PG	6
9008 Women's Studies Special Topic	6

Graduate level subject offered in Women's Studies at the Flinders University of South Australia also may be included.

3.3 Dissertation

All candidates shall complete either the full-time or the part-time version of the following subject:

4493 Dissertation in Women's Studies F/T	12
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or

4817 Dissertation in Women's Studies P/T	12
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- 3.3.1 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the dissertation to the Department, after it has been passed and accepted for the degree.

4 Status, exemption and credit transfer

- 4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.

- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3 In any case, no candidate will be awarded more than 12 points of status, except for those candidates who have completed the Graduate Diploma in Women's Studies (see Rule 6 below).
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the degree of master of Arts (Women's Studies): Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

- 6.1 A candidate for the Master of Arts (Women's Studies) who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those degrees as appropriate.
- 6.2 A candidate who has been admitted to the Graduate Diploma in Women's Studies and who subsequently satisfies the requirements for the Master of Arts (Women's Studies) must surrender the Graduate Diploma before being admitted to the Master degree.
- 6.3 A candidate for the degree of Master of Arts (Women's Studies) who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

Syllabuses

core subjects

6881 Contemporary Approaches to Feminist Research

6 points semester 1

Note: Students in the Graduate Diploma in Women's Studies intending to apply for the Master of Arts (Women's Studies) must complete this subject at credit level or higher. Students who do not intend to apply for entry to the Master of Arts (Women's Studies) may substitute an elective for this subject if they wish

Students will become familiar with a range of methods and procedures employed in current feminist research and acquire the knowledge and skills required to initiate a successful research project. They will consider arguments for and against a specifically feminist methodology, examine the relations between feminist theory and feminist research, investigate the uses of qualitative and quantitative models, and consider philosophical, ethical and ideological assumptions underlying various modes of research.

assessment: 1500 word annotated bibliography, 1500 word, 3000 word critical review essays, 1500 word dissertation proposal

5528 Theories of Feminism

6 points semester 1

3 hours per week

restriction: 1780 History of Feminist Thought, 6359 Feminist Theory, 9904 Feminist Thought III

This subject introduces students to a range of feminist positions. Topics include: mainstream views of women's social position; Liberal feminism; Marxist feminism; Radical feminism; Socialist feminism; Psychoanalysis and feminism; Post-modernism/post-structuralism and the significance of race within feminism, amongst others.

assessment: internal: 4500 word essay 60%, 2500 word seminar paper 30%, participation 10%; external: workbook/journal 50%, 4500 word essay 50%

elective subjects

9410 Australian Feminist History: a Survey

6 points semester 1

prerequisites: 5528 Theories of Feminism or permission of Head of Department

restriction: 9959/2345 Gender Divisions in Some Western Societies Since 1700 II/III, 1489 History IIIB (Women in History)

A survey of Australian feminist history set in a context of recent debates in feminist history. Topics include Aboriginal women, the historiography of the women convicts, pioneer women, women's separate sphere, first-wave feminism, sexuality, the birth rate, women's work and unpaid work, the depression and the world wars.

assessment: internal: 4000 word essay or oral history project, 1500 word seminar paper/research, seminar presentation and participation; external: workbook and journal 50%, 4000 word major essay 50%

3612 Autobiographical Writings

6 points not offered in 2000

3 hours per week

restriction: 7116/6566 Autobiography and Creative Writing

prerequisites: 5528 Theories of Feminism or permission of Head of Department

In this subject students will read autobiographies and autobiographical fiction written by women from various cultures and career backgrounds and explore the similarities and differences of life experiences. The subject will explore current feminist, postcolonial, poststructuralist and deconstructive narrative theories of self-presentation in relation to the autobiographical text. Students will also engage in creative writing activities.

assessment: seminar paper and projects equivalent to 8000 words

5133 Environmental Feminism

6 points not offered in 2000

3 hours lectures/seminars/ tutorials a week

This subject explores the interface between environmental studies and women's studies. In particular, the subject is concerned with the development of environmental feminism as a theoretical discourse and a political practice. Introductory sessions examine Western concepts of the society/environment relation from a range of feminist perspectives (liberal, Marxist, socialist, radical and ecofeminist). This introduction is followed by a series of sessions dealing with feminist theory and practice relevant to the analysis of women's environmental perception, behaviour and agency. The theme of these sessions is 'many women, many environments'. In the context of 'many women' they deal with the effects of class, ethnicity, sexuality and ableness on women's environmental relations. In the contact of 'many

environments', they explore women's environmental relations in situations ranging from Western cities and suburbs to the dwindling pockets of tropical rainforest in the Third World. The concluding sessions of the subject consider feminist critiques of science and technology, particularly as these critiques relate to the scientific production of environmentally damaging scientific modelling and managerial techniques to understand and control the environment.

assessment: to be advised

4434 Exploring Sexualities

6 points not offered in 2000

Also offered externally

3 hours per week

prerequisites: 5528 Theories of Feminism or permission of Head of Department

restriction: 6873/9996 Female Sexuality

In this subject, students will examine the cultural factors which have influenced the construction of sexualities in western society, past and present; explore contemporary theoretical perspectives from semiotics, psychoanalysis, cultural and queer theory, and French theory as they theorise sexuality, subjectivity and the body; and consider how feminine positions are maintained and challenged in culture through the dynamics of female desire.

assessment: 4000 word research paper; journal, 2 x 1500 word journal progress reports; 2000 word paper

4588 Film, Feminism and Psychoanalysis PG

6 points not offered in 2000

3 hours per week

prerequisites: 5528 Theories of Feminism or permission of Head of Department

restriction: 4700/9670 Women and the Media II/III or 6193/6182 Women and Popular Culture.

Students will examine a variety of approaches to popular culture and analyse the constructions of masculinity and femininity the popular media. The focus will be on visual media, particularly on film and film theory, although it may also include an analysis of newspapers, advertisements, women's magazines, romance fiction and the like. The subject will consider contemporary debates concerning the production and consumption of popular culture, the significance of spectator positions, and the dynamic of pleasure and desire in the maintenance of gender representations in the media.

assessment: 1500 word applied analysis 20%; 4000 word project/research paper 60%; 1000 word seminar presentation paper 20%

3919 Gender in a Post Colonial World IV

6 points not offered in 2000

The subject examines theories and issues of western feminism from the perspective of the 'other', from women writing beyond the English-speaking west, including Asia, Africa, South America and fourth world peoples and non-English speaking background immigrants in western nations. While the subject explores the experiences of women in other cultures, the focus will be on how we think western feminist issues differently when they are viewed from beyond Anglo-feminist frameworks.

assessment: major and minor essays, reports, oral presentations up to 9000 words

2649 Gender, Environment and Development (Women's Studies)

6 points not offered in 2000

Since the late 1980s the connection between gender, environment and development (GED) has emerged as an area of special interest for academics, policy makers and activists. GED is now a focus of international research in both Gender Studies and Environmental Studies, has entered the rhetoric of policy makers at the highest international levels and has generated an international NGO network. This subject will explore the theoretical and political implications of linking gender, environment and development by analysing current global GED issues and selected examples of local GED issues in the Australasian region.

assessment: tutorial participation 10%; tutorial presentations/exercises 30%; essays/reports totalling 6000 words 60%

7089 Gender, Work and Society PG

6 points semester 2

Sexual inequalities in capitalist society; social patterns of sexual oppression; sexual inequalities in the Australian economy and workforce; gender and economic policies; the politics of gender in the workplace; women and trade unions; strategies for achieving sexual equality.

assessment: to be advised

5756 Power and Difference: Postcolonial Perspectives PG

6 points not offered in 2000

3 hours per week

restrictions: 3708/9279 Power and Difference

prerequisites: 5528 Theories of Feminism or permission of Head of Department

Students will consider feminist, postmodern and postcolonial perspectives on constructions of race, class and gender differences with specific (but not exclusive) reference to Australian culture (19th and 20th century). With reference to the work of postcolonial, French feminist, psychoanalytic, Foucauldian and deconstructive critics students will examine the role of high and mass cultural materials (novels and art forms, histories, journalism, traveller's tales, the tabloid press, film, cartoons, photography, newspapers and the like) in constructing networks of knowledge and power through representations of difference/marginality. The subject will examine the possibilities for maintaining and resisting dominant power relations in the operations of language, social institutions and everyday life experiences. It will also consider reading and viewing practices to understand how readers are positioned by texts and how to read 'otherwise'.

assessment: 1500 word applied analysis 20%; 1000 word seminar presentation/paper 20%; 4000 word project research paper 60%

9008 Women's Studies: Special Topic

6 points semester 1 or 2

prerequisites: 5528 Theories of Feminism or permission of Head of Department

The content will be decided by the availability of specialist scholars, visiting research fellows etc., the department will set up the special seminar accordingly, depending on the expertise and specialisation in the area of women's studies.

assessment: 1500 word applied analysis 20%; 1000 word seminar presentation paper 20%; 4000 word project research paper 60%

Note :graduate level subjects offered in Women's Studies at Flinders University may also be presented as electives in this degree. Contact department for details.

Dissertation

4493 Dissertation in Women's Studies F/T

12 points semester 1 or 2

4817 Dissertation in Women's Studies P/T

12 points full year

An original piece of research on a topic developed in consultation with supervisor

assessment: dissertation of 15000-18000 words

Master of Cognitive Science

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Master of Cognitive Science degree must:

- a) have qualified for an Honours degree from the University at IIA standard or higher in the field of Cognitive Science or other appropriate field of study in Departments of the Faculty of Humanities and Social Sciences or the Faculty of Engineering, Computer and Mathematical Sciences, or;
- b) have completed the Graduate Diploma in Cognitive Science at Credit level or higher

1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Duration of the award

To qualify for the degree a student shall satisfactorily complete a course of three semesters of full-time study or not more than three years of continuous part-time study.

3 Course requirements

To qualify for for the degree of Master of Cognitive Science candidates shall complete a program of study to a total of 36 points as follows:

3.1 Core Subjects

3275 Cognitive Science: Minds, Brains and Computers IV	4
1207 Advanced Cognitive Science IV	4

(Students who are exempted from studying the subject 1207 Cognitive Science: Minds, Brains and Computers IV due to having previously completed either 8606 Cognitive Science: Minds, Brains and Computers II or 5086 Cognitive Science: Minds, Brains and Computers III or its equivalent will be required

to present a further 4 point elective subject listed in 6.1.2 in lieu of this requirement).

3.2 Elective Subjects

16 points chosen from the following six groups of subjects, with no more than 8 points of subjects being presented from any one group:

Group A Philosophy Subjects

8733 Reality, Truth and Meaning	4
6655 Mental Representation, Consciousness and Self IV	4
3390 Logic IV	4

Group B Psychology Subjects

3400 Developmental Psychology IV	2
4308 Intelligence IV	2
8836 Mind Brain and Evolution IV	2
2679 Perception and Cognition IV	2
9292 Psychology of Language in Thought and Action IV	2
8299 Social Psychology IV	2

Group C Computer Science Subjects

8352 Artificial Intelligence IV	2
2340 Advanced Artificial Intelligence IV A (Computer Vision)	2
5042 Advanced Artificial Intelligence IV B (Machine Learning)	2

Group D Linguistics Subjects

4594 Foundations of Linguistic Theory IV	4
3355 Language, Cognition and Reality IV	6

Group E Histology and Anatomy Subjects

2967 Integrative and Comparative Neuroanatomy (CS) IV	4
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Group F Physiology Subjects

3155 Neurobiology IV	2
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The availability of some of the above elective subjects varies from year to year. Students should contact the relevant department(s) for information about subject availability over the projected period of their study program.

Many of these elective subjects have had their normal prerequisites waived for the purposes of this graduate program in Cognitive Science. However, students enrolling in these subjects are expected to do sufficient background reading to attain a basic understanding of the subject area

3.3 Dissertation

All candidates shall complete either the full-time or part-time version of the following subject

2042 Dissertation in Cognitive Science F/T 12
or

5778 Dissertation in Cognitive Science P/T 12

- 3.3.1 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the dissertation to the Department, after it has been passed and accepted for the degree

4 Status, exemption and credit transfer

- 4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3 In any case, no candidate will be awarded more than 12 points of status, except for those candidates who have completed the Graduate Diploma in Cognitive Science (see Rule 6 below).
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

- 6.1 A candidate for the Master of Cognitive Science who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those degrees as appropriate.
- 6.2 A candidate who has been admitted to the of Graduate Diploma in Cognitive Science and who subsequently satisfies the requirements for the Master of Cognitive Science must surrender the Graduate Diploma before being admitted to the Master degree.
- 6.3 A candidate for the degree of Master of Cognitive Science who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

Syllabuses

core subjects

1207 Cognitive Science: Minds, Brains and Computers IV

4 points semester 2

2 lectures, 1 hour tutorial a week

restrictions: 8606/5086 Cognitive Science: Minds Brains and Computer II/III

This subject provides an introduction to the philosophical foundations of Cognitive Science, which is a relatively new interdisciplinary field of study that embraces aspects of philosophy, psychology, computer science and neuroscience. Topics to be discussed will include some of the following: the nature of commonsense psychology and its relevance to a mature theory of mind; the computer as a model of the mind; classical and connectionist computational theories of cognition; computational models of consciousness.

assessment: essays, tutorial participation

3275 Advanced Cognitive Science IV

4 points semester 1

2 lectures a week

prerequisites: 8606 Cognitive Science: Minds, Brains and Computers II, 5086 Cognitive Science: Minds, Brains and Computers III or 1207 Cognitive Science: Minds, Brains and Computers IV, and 8 points of elective subjects

This subject builds on the material presented in 1207 Cognitive Science: Minds, Brains and Computers IV. The subject will be particularly concerned with classical and connectionist computational models of cognition.

assessment: essays

elective subjects

Group A Philosophy Subjects

6655 Mental Representation, Consciousness and Self IV

4 points semester 1

2 lectures, 1 tutorial a week

restrictions: 1938/3679 Issues in the Contemporary Philosophy of Mind or Mental Representation, Consciousness and Self II/III

In spite of the huge advances made in other areas of natural science, much about the human mind remains mysterious. In particular, there are three outstanding problems concerning the mind and its relationship to the world that have yet to be resolved - how does the

mind construct mental representations of the world, and in so doing impose meaning on a material universe? what is the nature of consciousness and how can it be naturalistically explained? what is the nature of the self and how is it constructed by the human brain? This subject will examine each of these questions and survey the most promising answers put forward by contemporary philosophers of mind.

assessment: essay, tutorial participation

3390 Logic IV

4 points semester 1

2 lectures, 1 tutorial a week

assumed knowledge: basic understanding of subject area through background reading - prospective students should contact course coordinator for information

restrictions: 9286 Logic II, 4259 Logic IIIA, 3037 Logic II

Standard first-order logic and its meta-theory, topics from the philosophy of logic.

assessment: exam, essay - attendance at lectures and tutorials is required

8733 Reality, Truth and Meaning IV

4 points semester 2

2 lectures, 1 tutorial per week

restrictions: 4549/2915 Issues in the Philosophy of Language or Reality Truth and Meaning II/III

This subject will examine the interrelated issues of truth, reference and meaning from a primarily analytical perspective. Key concepts will include truth-conditions, realism and naturalism. It will also devote some time to comparative critical discussion of rival structuralist and hermeneutical approaches to language and meaning.

assessment: 2500 word essay, take home exam, tutorial participation.

Group B Psychology Subjects

3400 Developmental Psychology IV

2 points semester 2

1 lecture per week; 3 tutorials, practical work

assumed knowledge: basic understanding of subject area through background reading - prospective students should contact course coordinator for information

This subject continues the Life-span approach to human development begun in earlier years of the

course. A brief overview of the course of physical, social and psychological events that underlie the adolescent search for identity is followed by a discussion of the transition to adulthood with its typical difficulties, rites and socialisation. The focus is on the theories of Erikson, Levinson on the seasons of a man's life and the seasons of a woman's life, and finally Vaillant's view of adult adaptation to life. The third topic addresses the changes characteristic of middle adulthood, eg, whether there is a mid-life crisis or mid-life transition; changes in self-perception when children leave; the effects of menopause, and the changing relationships between parents and their adult children. Finally, development in late adulthood is considered. An overview of physical changes, longevity and theories of biological ageing leads to a discussion of the scope and implications of cognitive changes that occur with age and of other psychological issues that arise in late adulthood including retirement, bereavement, fear of crime, and inter- and intra-generational relationships. The concept of successful ageing is discussed within a framework that emphasises the interplay of physical, psychological and biological processes.

4308 Intelligence IV

2 points semester 2

1 lecture per week; 4 tutorials, practical work

assumed knowledge: basic understanding of subject area through background reading - prospective students should contact course coordinator for information

restrictions: 1508 Intelligence, prior to 1989, 7196 Intelligence III

This subject reviews recent cognitive analytical approaches to the study of individual differences in intelligence, comparing the psychometric paradigm with various information processing models. Particular emphasis is given to the consequences of mental retardation, brain damage, and ageing for intellectual functioning.

assessment: final exam; report of a practical exercise

8836 Mind, Brain and Evolution IV

2 points semester 2

1 lecture per week; 3 tutorials, practical work

assumed knowledge: basic understanding of subject area through background reading - prospective students should contact course coordinator for information

The subject looks at the current scientific status of mind, consciousness and experience, taking into account the philosophical controversy that has been

associated with such concepts, and the turbulent history of attempts by psychologists to deal with them. It examines, in particular, the outcomes of recent interdisciplinary approaches, by neurophysiologists, philosophers, biologists, sociologists and evolutionary theorists, and asks whether these have made the concepts less scientifically problematic. Specific topics covered in lectures and tutorials include the status of philosophical positions conventionally held by scientists in general, the philosophical problems which specifically relate to mentalistic language, research in the psychological literature which attempts to answer questions about the determinants of experience, theoretical attempts by psychologists and others to account for the existence and nature of awareness, and investigations of similarities and differences between the ways in which these concepts are handled in different cultures. An important overall aim of the course is to encourage students to think creatively about scientifically controversial topics, and to see that this can be done without retreating from the standards of clarity and objectivity that are regarded as scientifically desirable.

2679 Perception and Cognition IV

2 points semester 1

1 lecture per week; 43 tutorials, practical work

assumed knowledge: basic understanding of subject area through background reading - prospective students should contact course coordinator for information

This set of lectures looks at computational, connectionist and dynamical approaches to the study of human perceptual and cognitive processes, and some of the major mechanisms, models, and metaphors which have been proposed to describe and explain them. Lectures will deal with the central topics of perception, attention, memory, categorisation, the representation of knowledge, language, reasoning and problem solving, as well as with selected topics from the control of action, the neurophysiology and neuropsychology of cognition, cognitive development, individual differences, and interactions between cognitive, social, and cultural factors. Where relevant, comparisons will be made with the theoretical and methodological perspectives on these topics offered by recent work in neuroscience, artificial intelligence, and linguistics. The main aim of the course is to provide a critical, working familiarity with the major theoretical advances in the study of human perception and cognition. An auxiliary aim is to illustrate and facilitate the application of theoretical ideas to practical problems. To this end, the tutorial sequence will deal with current examples of applied cognitive psychology.

8299 Social Psychology IV

2 points semester 1

assumed knowledge: basic understanding of subject area through background reading - prospective students should contact course coordinator for information

restrictions: 6423 Social Psychology and Intergroup Relations III, 4553 Cognition and Affect in Social Relationships III, 8659 Social Psychology and Intergroup Relations II, 8659 Social Psychology III

An expanding body of research in contemporary social psychology has been the study of social cognition. This tradition concerns itself with the way in which individuals and groups attend to, process, interpret, mentally represent and understand complex social information. While this field borrows models and concepts from cognitive psychology, the study of social objects is markedly different from the study of non-social objects. The acquisition and processing of social knowledge requires the consideration of a range of affective, social, cultural and symbolic influences. Concepts predominant within social cognition research include attribution theory and the concepts of schema, script and prototype. These will be considered along with less mainstream approaches, such as the French tradition of research in social representations theory. A practical exercise will be conducted to illustrate some of the processes central to the study of social cognition.

assessment: final exam; report of practical exercise

Group C Computer Science Subjects

8352 Artificial Intelligence IV

2 points not offered in 2000

2 lectures, 2 hours practical work a week; tutorial every 3 weeks

assumed knowledge: basic understanding of subject area through background reading - prospective students should contact course coordinator for information

restrictions: 6378 Artificial Intelligence III

AI methodology and fundamentals; description matching and goal-reduction; ANALOGY; and/or trees; exploiting natural constraints: Waltz algorithm; search: hill-climbing, beam, best-first, A*; minimax procedure and alpha-beta pruning for game-playing; learning: parameter-adjustment and Winston near-miss/reinforcement procedure; means-end analysis and GPS; rule-based systems: forward- and backward-chaining, MYCIN, Xcon; generate and test paradigm with Dendral. Representation issues: inheritance, demons, defaults, perspectives, frames, primitives; aspects of Prolog; neural networks: recurrent backpropagation technique.

assessment: 2 hour exam, practicals and exercises

2340 Advanced Artificial Intelligence IVA (Comp. Vision)

2 points semester 1 or 2

assumed knowledge: First year, and preferably, second year mathematics

restrictions: 5689 Advanced Artificial Intelligence A (Computer Vision)

This subject aims to convey the nature and difficulty of many of the problems in vision, and to explain a variety of techniques to overcome them. Emphasis is placed on aspects of 3-D vision and the gaining of practical experience in image-processing via a TV-camera facility. Various models of vision are considered, primarily those in the early phase of processing. These models include: the detection of contrast edges in intensity image arrays and the accumulation of edge data to form lines; the use of a stereo image pair to derive depth information; the exploitation of image shading (or intensity variation) to obtain surface normal data; motion detection in time-varying imagery; lightness computation; Marr's theory as a framework for visual information processing; generalised cylinders and their role in the recognition of objects depicted in images; scene analysis and the interpretation of line-drawings of polyhedra.

assessment: practical assignments

5042 Advanced Artificial Intelligence IVB (Machine Learning)

2 points not offered in 2000

prerequisite: 6378 Artificial Intelligence III OR 8352 Artificial Intelligence IV

restrictions: 2651 Advanced Artificial Intelligence B (Advanced Artificial Intelligence and Machine Learning)

This subject concentrates on various issues involving AI and machine learning. In particular we examine inductive learning - learning from examples, explanation based learning; abduction, genetic algorithms and classifier systems; program synthesis. Other issues covered include: conceptual structures, abduction, natural language and dialogue management and computational design.

assessment: practical assignments, term paper, exam

Group D Linguistics Subjects

4594 Foundations of Linguistic Theory IV

4 points semester 1

2 lectures a week, 1 tutorial a fortnight

restrictions: 7892/4914 Foundations of Linguistics II/III

No previous knowledge of linguistics is assumed. The subject will give students an overview of the field of modern linguistics and basic skills in linguistics and sociolinguistic analysis

assessment: practical exercises, project or essay, exam

3355 Language, Cognition and Reality IV

6 points semester 2

1 lecture, 1 tutorial a week

restrictions: 8262 Language, Cognition and Reality

This subject is concerned with the role the lexical and grammatical structures of languages play in shaping their users' perceptions of reality. It will begin with the classical Sapir-Whorf hypothesis of linguistic relativity and consider more recent findings in the area of categorisation, environmental discourse and political rhetoric. Particular attention will be paid to the role of linguistic and conceptual diversity in the 21st century.

assessment: essay, tutorial presentation and exam

Group E Histology and Anatomy Subjects

2967 Integrative and Comparative Neuroanatomy (CS) IV

4 points semester 1 or 2

assumed knowledge: basic understanding of subject area through background reading - prospective students should contact course coordinator for information

See 4231 Integrative and Comparative Neuroanatomy IV in the Faculty of Medicine for syllabus details

Group F Physiology Subjects

3155 Neurobiology IV

2 points semester 2

2 lectures a week

restrictions: 4632 Neurobiology III, 8546 Neurobiology, 7117 Human Movement Studies III

assumed knowledge: basic understanding of subject area through background reading - prospective students should contact course coordinator for information

This subject will acquaint students with current views on the function of the nervous system, and the methods used for investigating its function. Particular attention will be paid to the role of sensory systems in the control of movements.

assessment: final written exam

Dissertation

2042 Dissertation in Cognitive Science F/T

12 points semester 1 or 2

5778 Dissertation in Cognitive Science P/T

12 points full year

A dissertation of 15000-18000 words.

Master of Education

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the degree of Master of Education shall:

- (a) have qualified for at least a Class II honours degree of the University or of another University accepted for the purpose by the University, and have qualified for the Graduate Diploma in Education of the University or for a qualification accepted by the University as equivalent *or*
- (b) have qualified for the degree of Master of Educational Studies of the University.

1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions or preliminary work (if any) as it may see fit to impose in each case, accept as a student for the Master's degree a person who does not hold the above qualifications but has given evidence satisfactory to the Faculty of fitness to undertake work for the master's degree.

2 Duration of course

2.1 Except with the special permission of the Faculty, the Coursework/Research Induction component of the Masters degree shall be completed in one semester of full-time study or not more than three semesters of part-time study.

2.2 Except with the special permission of the Faculty, the Research component of the Masters degree shall be completed in not less than one year of full-time study or not more than three years of part-time study.

3 Qualification requirements

3.1 All students shall satisfactorily complete a coursework component to the value of six points, a research methodology subject, and a thesis.

4 Course of study/Subjects of study

All students shall satisfactorily complete:

4.1 Coursework subjects

Students shall take six points of coursework from coursework subjects, and one of the

research methodology subjects listed for the degree of Master of Educational Studies.

4.2 Thesis

All students shall carry out research work and present a satisfactory thesis on a subject approved by the Faculty. The Faculty shall appoint a supervisor or supervisors to guide the student.

5 Status, exemption and credit transfer

5.1 With the permission of the Head of the Department of Education, students may be granted up to a maximum of six points worth of coursework status for other studies undertaken in the University or other institutions.

6 Review of academic progress

6.1 A student who fails a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe.

6.2 A student who has twice failed a subject may not enrol for that subject again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.

6.3 For the purposes of this clause a student who is refused permission to be assessed, by examination or otherwise, or who does not, without a reason accepted by the Head of the Department of Education as adequate, attend all or part of a final examination (or supplementary examination if granted) after having enrolled for at least two thirds of the normal period during which the subject is taught, shall be deemed to have failed the subject.

7 Assessment and examinations

7.1 There shall be four classifications of pass at the final examination in any coursework subject: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

7.2 On completion of work the student shall lodge with the Registrar three copies of the thesis prepared in accordance with directions given to students from time to time.

7.3 The Department shall appoint at least two examiners of the thesis, of whom at least one shall be an external examiner.

7.4 At the discretion of the examiners a student may be examined orally on the student's thesis and may also be required to pass a written examination connected with the subject of the thesis.

7.5 The examiners may recommend:

- (a) that the thesis be accepted as satisfactory for the purposes of 5 above *or*
- (b) that the thesis be accepted as satisfactory for the purposes of 5 above after minor amendments have been made to the thesis *or*
- (c) that the thesis be returned to the student for revision and resubmission *or*
- (d) that the thesis be not accepted.

8 Articulation with other awards

8.1 A student who holds the degree of Master of Educational Studies of The University of Adelaide and is granted 12 points of status shall surrender that degree before being admitted to the degree of Master of Education.

Syllabuses

Course requirements

Subjects for this degree usually take the form of weekly two-hour seminars. Reading lists for each subject will be given in the Departmental Handbook.

Assessment

Assessment in each subject usually includes a combination of three or more of the following: seminar papers, seminar participation, essays, minor research project, book reviews and an examination.

See Master of Educational Studies for syllabus details

Master of Educational Studies

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

The Master of Educational Studies award aims to provide practising teachers with the opportunity to pursue advanced studies in education and to learn about educational research related to their interests and professional contexts.

Students who commenced studies in the award of Master of Educational Studies prior to 1999 should consult the Graduate School of Education regarding appropriate transition arrangements.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the degree of Master of Educational Studies shall:

- (a) have qualified for a degree of the University, or for a degree of another institution accepted for the purpose by the University and have qualified for a Graduate Diploma in Education of the University or for an award accepted by the University as equivalent *or*
- (b) have qualified for a Bachelor of Education of another institution accepted for the purpose by the University;

1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Duration of course

2.1 To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising three semesters of full-time study or the equivalent of part-time study.

3 Course requirements

To qualify for the degree of Master of Educational Studies, a candidate shall satisfactorily complete subjects to the value of 36 points, as follows:

3.1 Research Methodology subjects

All candidates shall complete one of the following research methodology subjects:

5537 Evaluation in Education (6 pt)	6
9619 Introduction to Statistics in Educational Research (6 pt)	6

4298 Qualitative Approaches to Educational Research (6 pt)	6
8977 Quantitative Educational Research (6 pt)	6

3.2 Elective subjects

All candidates shall complete elective subjects to the value of 18 points selected from the following:

Educational Issues

4599 Adult Psychology and Education (6 pt)	6
2269 Advanced English Language for Academic and Educational Purposes	6
1900 Counselling in Education (6 pt)	6
8296 Education in Multilingual Settings (6 pt)	6
7481 English Language Teaching in Specific Settings	6
8947 Families, Schools and Students' Outcomes (6 pt)	6
5274 Gender, Education and Social Change (6 pt)	6
7269 Learning and Teaching at University	6
3417 Multicultural Society and Educational Policy (6 pt)	6
1688 Religion, Education and Social Change (6 pt)	6
8963 Schools as Cultural Systems (6 pt)	6
7884 Scientific Revolutions and Education (6 pt)	6
6224 Theories of Psychology in Education (6 pt)	6

Curriculum Studies

9422 Issues for Australians (6 pt)	6
6540 Teaching the Australian Studies Curriculum (6 pt)	6
7823 Honours Mathematics (Education) 12 pt	12

5841	Making Sense of the Scientific World (6 pt)	6
5165	Mathematics Education (6 pt)	6
7421	The Nature of Science and Science Curricula (6 pt)	6

General Studies

3691	Directed Study (6 pt)	6
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and

Approved subjects listed for any relevant coursework Masters program. Advice on appropriate options is available from the Graduate School of Education.

Transition Subjects

5361	Directed Study (4 pt)	4
4655	Directed Study (2 pt)	2

3.3 Research Project

All candidates shall complete the following:

3156	Education Research Project F/T	12
	<i>or</i>	
3777	Education Research Project P/T	12
	<i>or</i>	
7394	Education Research Project M/Y	12
	<i>or</i>	
4175	Education Minor Project	6

and

one additional elective from 4.2 above

4 Status, exemption and credit transfer

- 4.1 Except with the special permission of the Faculty, no candidate will be granted status for any of the research methodology subjects of the degree.
- 4.2 No candidate shall be granted status for subjects with a total value of more than 12 points on account of subjects presented for any other award, except the Bachelor of Educational Studies where up to 18 points on account of education subjects may be awarded.
- 4.3 No candidate will be permitted to count for the degree any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass at the final examination in any subject for the Master of Educational Studies: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- 5.2 (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed

6 Articulation with other awards

- 6.1 A candidate who has been admitted to the Bachelor of Educational Studies and who has been granted status toward the degree for subjects presented for the Bachelor of Educational Studies to a value of 12 or more points must surrender the Bachelor of Educational Studies before being admitted to the degree.
- 6.2 A candidate for the degree of Master of Educational Studies who does not complete the requirements of the degree may be admitted to the Bachelor of Educational Studies.

Syllabuses

4599 Adult Psychology and Education (6 pt)

6 points semester 1

2 hours of seminars a week

An introduction to the concepts of life-span developmental psychology with the emphasis on the implications for adult educators.

assessment: essay, seminar paper, reviews

2269 Advanced English Language for Academic and Educational Purposes

6 points not offered in 2000

The aim of this subject is to extend students' own command of English Language as it is used in academic and educational inter-cultural communication contexts. Principles of register and genre will be employed to involve students in the grammatical, textual and contextual aspects of using English for academic and professional education purposes

1900 Counselling in Education (6 pt)

6 points not offered in 2000

2 hours per week

This unit will not constitute professional preparation for school counsellors, but is intended for teachers who have undertaken, or are likely to undertake, administrative or pastoral roles which involve counselling. It will include an introduction to counselling theory, an examination of organisational structures in education, family dynamics, the roles of designated school counsellors and some common psychological and social problems relevant to school children (e.g. Attention Deficit Disorder and other learning and development difficulties, child abuse, domestic and school violence, drug and alcohol abuse).

assessment: c.4000 word paper - aspect of counselling in schools 50%; counselling skills practical 50%

3691 Directed Study P/G (6 pt)

6 points semester 1 or 2

2 hours per week

restriction: with permission of Head of Department

This subject will allow candidates to pursue an independent project or area of investigation developed in collaboration with a supervisor.

assessment: essay/s to a total of 8000 words

8296 Education in Multilingual Settings (6 pt)

6 points semester 1

2 hours a week

The subject will consider basic concepts from the sociology of language in the work of scholars such as Haugen and Fishman. Attention will be focused on recent studies of bilingualism and biliteracy within their regional contexts, with special reference to the 'lesser used' languages of Europe, Asia, North America and the USSR. Scholars whose research will be considered include Lambert, Giles, Clyne, Cummins, Skutnabb-Kangas, Paulston and Andersson. Emphasis will be placed on the role of the school in helping to maintain and/or acquire bilingualism and early biliteracy, especially through Australian educational systems.

assessment: 2 x 4000 word essays; seminar paper

7481 English Language Teaching in Specific Settings

6 points not offered in 2000

The subject will explore the contemporary TESOL methods in the light of their application within a specific setting selected by the student. Current approaches to the analysis of spoken and written text will be used as the basis for developing an English Language teaching program to suit each student's professional context.

5537 Evaluation in Education (6 pt)

6 points semester 2

2 hours per week

The aim of this subject is to enable students to gain an understanding of current theories and practices for evaluation in education. It will provide opportunities for students to: analyse critically the political and economic demands for accountability and evaluation; consider current approaches to evaluation; use procedures for design, data collection, analysis, recording and reporting of evaluations and assessments; develop an appropriate model for the evaluation of a school, a program, students or teachers depending on their particular background or interests; examine current issues such as quality assurance, student assessment, teacher appraisal, school review.

assessment: 2 assignments of 2000, 1 x 4000 words

8947 Families, Schools and Students' Outcomes (6 pt)

6 points not offered in 2000
 expected to be offered in 2001

2 hours seminars a week

If our understanding of variations in students' outcomes is to be enhanced then it is important that we increase our understanding of the intricate nature of the relations between learning environments and students' outcomes. It is the purpose of this subject to examine theoretical orientations and empirical studies that have investigated the complexities of the associations among families, schools and outcomes for students in differing social contexts.

assessment: seminar participation, 2 x 4000 word, 1 x 8000 word essay

5274 Gender, Education and Social Change (6 pt)

6 points not offered in 2000
 expected to be offered in 2001

2 hours of seminars a week

restrictions: 3487 Class, Gender and Schooling in Australia

This subject analyses the ways in which formal education has contributed to the definition and transmission, or transformation, of gender roles and gender identity in Australia and other western societies since the eighteenth century. It aims to provide a crucial historical perspective to current issues in our education system concerning the nature of femininity and masculinity and the relations between the sexes. Recent historical research and theoretical scholarship have reassessed the changes in women's education since the nineteenth century and the related changes in their social roles. Very recently, the implications of our understanding of masculinity have begun to be investigated. The varying religious ideals of womanhood and manhood pursued in church schools will be pursued as well as the changing gender assumptions embodied in the policies and organisation of the state education system. The importance of sport in inculcating a particular model of masculinity, and in altering traditional conceptions of femininity, will be among topics studied. The question of whether middle class norms of masculinity and femininity have differed from working class will be explored for its implications for schooling.

assessment: seminar participation; 2x 4000 word essays

7823 Honours Mathematics (Education)

12 points full year

prerequisites: qualification in Mathematics acceptable to Department of Education and relevant departments in Mathematical Sciences. Prospective students should consult with Education Mathematics course coordinator before enrolling

restriction: shall not presented unless 2051 Education Mathematics is also presented

Three units not already passed, from those offered in Honours Pure Mathematics, Honours Applied Mathematics, Honours Statistics, Honours Computer Science and Honours Mathematical Physics.

assessment: see relevant Mathematics unit

9619 Introduction to Statistics in Educational Research

6 points semester 1

2 hours seminars a week

This subject will provide students with an introduction to the use of statistics in educational research. Emphasis will be placed on students achieving an understanding of the statistical procedures considered so that they can think critically about suitable procedures for the collection and analysis of data, and about the educational usefulness of calculated statistics. Students will gain experience with using the SPSS package on the Arts Faculty's computer suite.

assessment: course work, exam. Pass, but no higher grade, may be obtained on coursework assessments only

9422 Issues for Australians (6 pt)

6 points not offered in 2000

2 hour seminar a week

The subject aims to introduce students to the analysis of contemporary issues. Current debates, concerns and theoretical perspectives will be canvassed by academics from various disciplines. The subject will address a range of areas such as Australian literature and media, tourism, identity, and environment.

assessment: 2 x 1500 word papers; 5000 word major paper

5841 Making Sense of the Scientific World (6 pt)

6 points not offered in 2000
expected to be offered in 2001

2 hours a week

assumed knowledge: science background, others may enrol with permission

A great deal of recent research in science education has focused on how untutored students view aspects of the world, and how these views change after teaching. This subject will examine some of this research, and its implications for teaching - research studies which have used different methodologies to identify students' beliefs on selected scientific topics will be examined. Each student will nominate a science topic of personal interest and select and use an appropriate methodology to identify students' views. In most cases it is expected that this will be a near replicate of another study. Where students' views differ from those of scientists, change is required, but this proves to be quite difficult. Different methodologies and suggested requirements for effecting this change have been proposed and tested by several authors. Some of these will be critically examined.

assessment: paper describing the individual project; 4000 word essay

5165 Mathematics Education (6 pt)

6 points semester 2

2 hours seminars a week

prerequisites: pass in Level III Mathematics subject or other qualification accepted by Education Department

A study of current research and theory in mathematics education.

assessment: essays and assignments

3417 Multicultural Society and Educational Policy (6 pt)

6 points semester 2

2 hours per week

The theoretical framework of this subject is provided by humanistic sociology. This is extended to social systems and developed in relation to ethnically plural societies. The key concepts are those of core values of different cultures, and personal cultural systems that individuals construct from the group values that are provided for them in society. Alternative orientations to cultural and structural pluralism are examined with

special reference to curriculum and school organisations. Future cultural outcomes are then related to educational policy.

assessment: 2 x 4000 word essays; seminar paper

4298 Qualitative Approaches to Educational Research (6 pt)

6 points not offered in 2000
expected to be offered in 2001

2 hour seminar a week

This subject is designed to provide students with an overview of qualitative research approaches. In addition to considering various theoretical frameworks and methodological approaches, there will be a focus on practical aspects of setting up research projects through the stages of formulating a proposal, preparing a budget, collecting and analysing data, writing up results and formally presenting the thesis.

assessment: seminar participation; practical data collection; either development of research proposal and concise outline, or essay on a methodological approach in educational research, totalling 8000 words

8977 Quantitative Educational Research (6 pt)

6 points not offered in 2000
expected to be offered in 2001

2 hours of seminars a week

The subject examines the use of quantitative methods in educational research. In particular, regression techniques such as multiple regression and path analyses are discussed. The subject will be taught in the computer laboratory where students will work through a set of exercises using the SPSS program.

assessment: analysis of data, presentation in form of research article

1688 Religion, Education and Social Change (6 pt)

6 points semester 1

2 hours of seminars a week

This subject analyses the ways in which religion and education have and do intersect in Australian society. It aims to provide a critical historical perspective to the current issues in our education system, particularly focusing on government funding to non-government schools and the Federal government's latest policy. Other areas of study will be the emergence of denominational schools in the 19th century and the

controversies surrounding the education acts; the varying responses of religious groups; the reasons for the emergence of large numbers of low fee paying schools in the 20th century; and the diverse religious gender roles both past and present. Student response to their religious school environment particularly in terms of curriculum and teachers will be canvassed. Personal research into archival materials will be encouraged, and various theoretical perspectives on these issues presented.

assessment: seminar participation, 2 x 4000 word essays

8963 Schools as Cultural Systems (6 pt)

6 points semester 2

2 hours of seminars a week

Humanistic sociology of culture is developed in relation to schools that are viewed as distinct cultural systems in society. Various types of schools are examined and members of the systems concerned are studied by the juxtaposition of the humanistic sociological and structural functional approaches in sociology.

assessment: seminar participation; theoretical essay and data analysis exercise, totalling 8000 words

7884 Scientific Revolutions and Education (6 pt)

6 points not offered in 2000

prerequisites: Science qualifications or permission of the Head of the Department of Education

2 hours of seminars a week

The subject involves a critical analysis of the work of Thomas Kuhn. Case-histories are then studied to illustrate the application of different aspects of Kuhn's theory to various branches of science. The educational consequences of Kuhn's thesis are examined and conclusions drawn in regard to its relativistic and prescriptive qualities.

assessment: essays to a total of 8000 words

6540 Teaching The Australian Studies Curriculum (6 pt)

6 points not offered in 2000

2 hour seminar per week

This subject aims to introduce students to the major issues in teaching Australian Studies at the senior secondary level. The course is intended to equip teachers of the SACE course in Australian Studies with the appropriate theoretical and methodological tools to

become critical and successful practitioners in the inter-disciplinary study of Australian society. The main reference point for the course will be the SSABSA subject framework for Australian Studies, but students will also examine a set of questions relating to the nature of interdisciplinary studies, the content of Australian Studies courses and appropriate methodologies.

assessment: curriculum project based on SACE; major essay outside the SACE parameters

7421 The Nature of Science and Science Curricula (6 pt)

6 points semester 1

2 hours of seminars a week

assumed knowledge: science background, others may enrol with permission

Many school science courses expressly intend students to develop an understanding of scientific method. What is this scientific method? What, if anything, is unique to science and scientists? Commonly held views of science and scientists will be identified and alternative views examined. Relationships between existing science courses and particular notions will be explored.

assessment: essays to a total of 8000 words

6224 Theories of Psychology in Education (6 pt)

6 points not offered in 2000

expected to be offered in 2001

2 hours seminars a week

This subject will be concerned with selected psychological theories of demonstrable consequence to education. A critical examination will be made of these theories, their educational interpretations and the research they have generated. The subject necessitates consulting articles from several journals of psychology and education. These, together with relevant books, will be detailed as the course progresses.

assessment: essays

Transition subjects

5361 Directed Study P/G (4 pt)

4655 Directed Study P/G (2 pt)

Research Component subjects

4175 Education Minor Project

6 points semester 1 or 2

Self-directed study under supervision.

This subject consists of a survey and review of the literature relating to some aspect of the theory and practice of education arising out of one of the earlier Masters course work subjects completed. Students will present a topic proposal which will be discussed with a supervisor who will recommend appropriate reading. Progress will be monitored through regular discussions between the supervisor and the student.

assessment: 8000 word literature review

or

3156 Education Research Project F/T

12 points semester 1 or 2

3777 Education Research Project F/T

12 points full year

7394 Education Research Project M/Y*

12 points semester 2 of one year
semester 1 of following year

This may take the form of an essay which provides evidence of the writer's ability to group, synthesise and critically assess the major issues involved in the area treated or of a minor research project which makes an original contribution to knowledge in a particular limited area. The total length should be around 18,000 words.

* students must re-enrol in February

Master of Environmental Management

This course is offered jointly with the United Nations Environment Program, and is currently available to students enrolled through the Ngee Ann – Adelaide Education Centre.

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the degree of Master of Environmental Management shall
- have qualified for an Honours degree of the University at 2A level or higher, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a Honours degree of the University
 - have qualified for the International Graduate International Diploma in Environmental Management at credit level or higher *or*
 - have qualified for an Ordinary degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years' approved professional work experience.
- 1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree

2 Duration of course

- 2.1 To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising three semesters of full-time study or the equivalent of part-time study.

3 Course requirements

To qualify for the degree, a candidate shall satisfactorily complete subjects to the value of 36 points, as follows:

3.1 Core subjects

All candidates shall complete the following subjects:

7492 Environmental Impact Assessment (Int)	3
1357 Environmental Management Challenge	6
8669 Environmental Management Systems and Audit	3
2666 Environmental Project Management	3
6884 Policy Building for Sustainable Development	3

3.2 Elective subjects

All candidates shall complete elective subjects to the value of 6 points selected from the following

5033 Environmental Clean-up Tools	3
2864 Environmental Economics (Int)	3
5032 Global Environmental Futures	3
7148 Special Study in Environmental Management	3

3.3 Dissertation

All candidates shall complete either the full-time or the part-time version of the following subject:

2677 Dissertation in Environmental Management F/T	12
9728 Dissertation in Environmental Management P/T	12

4 Status, exemption and credit transfer

- 4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3 In any case, no candidate will be awarded more than 12 points of status, except for those

candidates who have completed the Graduate International Diploma in Environmental Management (see Rule 6 below).

- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of the faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass..
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6. Articulation with other awards

- 6.1 A candidate for the Master of Environmental Management who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate International Diploma may be admitted to one or other of those degrees as appropriate.
- 6.2 A candidate who has been admitted to the of Graduate International Diploma in Environmental Management and who subsequently satisfies the requirements for the Master of Environmental Management must surrender the Graduate International Diploma before being admitted to the Master degree.
- 6.3 A candidate for the degree of Master of Environmental Management who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate International Diploma may be admitted to the Graduate International Diploma.

Syllabuses

Core subjects

7492 Environmental Impact Assessment (Int)

3 points semester 1 or 2

This module outlines the international development of Environmental Impact Assessment (EIA) and describes the methods and practice of project EIA in a number of Asian countries and Australia. EIA procedures including screening, scoping, assessment, EIS preparation, participation techniques and monitoring are presented through cases ranging across urban, rural, industrial, mining and marine projects. The benefits of environmental appraisal of policies, plans and programs are considered, through Strategic Environmental Assessment (SEA), and an introduction to the methods of SEA and Cumulative Effects Assessment is given. The Environmental Overview model as a tool for EIA in developing countries is critically examined. Environmental Technology Assessment (EnTA) is introduced as complementary EIA. Participants work in teams to prepare a 'Draft Environmental Impact Statement' and will take part in a simulated 'Environmental Inquiry' into a proposed development.

8669 Environmental Management Systems and Audit

3 points semester 1 or 2

Environmental legislation in many countries has obliged companies, government agencies, local/municipal governments and public utilities to take stock of their liability for environmental damage, and introduce environmental management systems, designed to improve environmental performance, achieve greenhouse and other policy targets, safeguard urban amenity and community health, reduce risks, save resource costs and improve productivity. Environmental risk assessment (qualitative and quantitative), monitoring, environmental audits and the integration of environmental improvement plans with quality management and occupational health and safety are being adopted by organisations aiming to run cleaner, better, and more profitably. Through seminars, workshops and case studies, participants will gain a working understanding of ISO14000, its relation with BS7750 and other standards, and experience in the use of practical tools for environmental risk management.

1357 Environmental Management Challenge

6 points semester 1 or 2

As a personal, practical exercise in environmental problem solving and management, participants will document a case study of the resolution of an

environmental issue or problem - local or global - and develop policy aspects and management strategies that are appropriate for their home country or organisation and its people. A staff member will be assigned as supervisor for each student, to assist with project definition, provision of additional resource material and general guidance. Your attendance in classes is not necessary but you are encouraged to maintain regular communication with your supervisor during the writing of the case study. The case study report should be in English, 8 000 to 10 000 words in length, with information sources referenced in Harvard style, and be of publishable quality. Detailed written instructions on obtaining approval of a suitable topic, conduct of the study and an example of the required report style will be provided to students. At the first 'due date' a draft of the case study should be submitted to the supervisor for comment. A Seminar will subsequently be held at which students will make a brief oral presentation of their case studies (20 minutes). The final draft will be submitted by the second due date for assessment by an examiner other than the supervisor.

2666 Environmental Project Management

3 points semester 1 or 2

The distinctive features of the design and management of environmental projects, whether on the ground or less tangible, are examined in this module. First we think about how we may achieve change in people's behaviour toward the environment, why this is necessary and whether it can find expression in projects that generate profits, while at the same time maintain or improve environmental quality. The mechanics of project management, the use of experimental design and predictive simulations, monitoring programs, obtaining funding and sponsorships, establishing partnerships between government and private organisations and effective communication and negotiation, are aspects that are considered through a case study in environmental management which may vary from time to time.

6884 Policy Building for Sustainable Development

3 points semester 1 or 2

Our starting point is an inquiry into local, regional and global environmental problems in developing and industrialised countries, such as soil, water and air pollution; health hazards and disease; climate change and possible sea-level rise; land degradation; ozone depletion; deforestation and biodiversity loss. The varying ways in which policy is formulated and

implemented and the meanings and measurement of sustainable development are examined. International conventions and their coordination with national policy instruments are considered. We look at and beyond the visible symptoms of degradation to the root causes of the problems and examine how our natural resources may be managed in an integrated and ecologically sustainable way by evaluation of the environmental, social and economic costs and benefits, leading to the generation of policy which has the twin goals of sustaining the resource base and increasing the welfare of all people now and in the future. Participants undertake simulation exercises and writing assignments in policy building.

Elective subjects

5033 Environmental Clean-up Tools

3 points semester 1 or 2

Pollution of soil, air and water is a serious problem in many parts of the world, particularly in cities where rapidly growing industrial development has outstripped the implementation of environmental protection and planning legislation. In this module we emphasise the importance of choosing environmentally sound technologies to prevent those problems, rather than end-of-pipe solutions. We investigate high tech solutions to degradation of environmental quality, while recognising that in some cases their use is adding to the problem. The preferred, complementary approach uses policy tools designed to safeguard the environment at the source of the problems, including cleaner production, life cycle analysis and greenhouse gas emissions reduction programs. The benefits and disadvantages of 'appropriate' technology are also discussed. We consider cleaner production programs, remediation of contaminated sites, air quality management, integrated water catchment management and the efficient use of energy, including renewable energy. Participants undertake the preparation of audit / action plans or monitoring programs in relation to one of these areas.

2864 Environmental Economics (Int)

3 points semester 1 or 2

This module critiques neo-classical micro-economic analysis as background to the growth of environmental economics. Economics is considered as the science of choice, human satisfaction and demand, production and supply. We observe the interplay of supply and demand and the notion of the market, the failure of the market externalities, the income and wealth inequities. Benefit/cost analysis and its use in environmental and social decision making are discussed. We examine taxes, subsidies and bans as remedies for market failure, and examine the income distribution effects of

policy and its remedies, while being aware of the competing ideologies that fuel and tend to polarise the debates. The potential of economic instruments and incentives to encourage environmental responsiveness and responsibility is emphasised. Looking at the 'big picture', we consider current global economic issues, resource depletion, irreversibility and extinction, no growth economics, limits to growth and the meaning of sustainable development. Participants can achieve competence in selected techniques of analysis.

5032 Global Environmental Futures

3 points semester 1 or 2

The aim of this module is to suggest how our global physical and biological resources may be managed for ecologically, socially and economically sustainable outcomes in the future, by informed evaluation of both the beneficial and the adverse effects of various forms of human interaction with local, regional and global natural systems. An overview is given of the global fluctuations between the geosphere, biosphere and atmosphere, and the outcomes with respect to climate change and land degradation. We examine some of the ways in which human societies have sought to modify and manipulate their natural environment from the time of prehistoric hunter-gatherers and the inception of plant and animal domestication until the present day. Through scenario-building and other techniques of futures studies, we endeavour to set believable, achievable goals for managing the future earth environment. Participants will submit assignments demonstrating their understanding of the principles of global environmental systems management and their application.

7148 Special Study in Environmental Management

3 points semester 1 or 2

This subject will be subject to the availability of specialist teaching in fields other than those listed above.

Dissertation

2677 Dissertation in Environmental Management F/T

12 points semester 1 or 2

or

9728 Dissertation in Environmental Management P/T

12 points full year

A dissertation of 15000-18000 words

Master of Environmental Studies

Note: this course is under review

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Master of Environmental Studies degree must have

- (a) qualified for an Honours degree from the University at IIA standard or higher in the field of Environmental Studies or other appropriate field of study *or*
- (b) completed the Graduate Diploma in Environmental Studies at Credit level or higher

1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Duration of the award

To qualify for the degree a student shall satisfactorily complete a course of one and one-half years of full-time study or not more than six years of part-time study.

3 Course requirements

To qualify for for the degree of Master of Environmental Studies candidates shall complete a program of study to a total of 36 points as follows:

3.1 One subject chosen from each of the following two groups of subjects:.

Environmental History and Philosophy Group

5941 History and Philosophy of Environmentalism	3
1722 Special Topic in Environmental History and Philosophy	3

Environmental Science Group

1201 Principles of Environmental Science	3
8594 Special Topic in Environmental Science	3

3.2 Students shall complete four subjects chosen from the Environmental Policy, Planning and Management Group, and two additional subjects chosen from the Environmental Policy, Planning and Management Group and/or from the list of Other elective subjects

Environmental Policy, Planning and Management Group

4079 Ecofeminist Theory and Politics	3
7766 Ecotourism: Opportunities and Impacts	3
1716 Educating for the Environment	3
2550 Environmental Earth Science	3
1865 Environmental Futures: Local/Global Sustainability	3
9474 Environmental Hazards	3
8865 Environmental Impact Assessment (Env.St.)	3
7420 Environmental Organisation and Activism	3
2005 Environmental Politics	3
8249 Environmental Reconstruction and Rehabilitation	3
1683 Environmental Risk Management	3
3216 Environmental Systems Management	3
2056 Environmental Writing	3
4550 Gender, Environment, Development	3
6631 Managing Coastal Environments	3
8375 Practical Environmentalism	3
9873 Special Topic in Environmental Management	3
2667 Special Topic in Environmental Planning	3
7888 Special Topic in Environmental Policy	3
2267 Special Topic in Environmental Studies	3
2124 Urban Environments	3

3.3 Other elective subjects

3953 Conservation and Heritage Law (Env St)	3
3741 Conservation Biology S	3
2290 Environmental Economics (Env St)	3
5614 Environmental Linguistics	3
3099 Environmental Planning and Protection Law (Env St)	3
5752 Heritage Conservation Theory	3
1452 Indigenous Australian and Environmental Management S	3
4613 Introduction to SIS	3
3990 Land Use Planning Law (Env St)	3
4358 Population and the Environment (Env St)	3

3.4 Dissertation

All candidates shall complete either the full-time or the part-time version of the following subject:

7704 Environmental Research Project F/T	12
<i>or</i>	
7084 Environmental Research Project P/T	12

- 3.4.1 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the dissertation to the Department, after the dissertation has been passed and accepted for the degree.

4 Status, exemption and credit transfer

- 4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has completed for another award.
- 4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 4.3 In any case, no candidate will be awarded more than 12 points of status, except for those candidates who have completed the Graduate Diploma in Environmental Studies (see Rule 6 below).
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

- 6.1 A candidate for the Master of Environmental Studies who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those degrees as appropriate.
- 6.2 A candidate who has been admitted to the of Graduate Diploma in Environmental Studies and who subsequently satisfies the requirements for the Master of Environmental Studies must surrender the Graduate Diploma before being admitted to the Master degree.
- 6.3 A candidate for the degree of Master of Environmental Studies who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

Syllabuses

Coursework

3953 Conservation and Heritage Law (Env.St.)

3 points not offered in 2000

3 hours lectures, seminars per week

quota will apply

restrictions: 9844 Conservation and Heritage Law

prerequisites: 3099 Environmental Planning and Protection Law (Env.St.)

The philosophy of conservation including the role of law, economics and science; conservation of biodiversity; conservation through reserved areas including national parks and world heritage areas; conservation of built heritage, national, state, local and Aboriginal; conservation of natural resources, land, water, air and marine.

assessment: to be advised

3741 Conservation Biology S

3 points semester 2

2 lectures, 1 tutorial, 3 hours of practical work per week

This subject deals with key biological characteristics of native plant and animal species which influence their survival in increasingly disturbed and fragmented habitats. Topics include reproduction and renewal, population genetics, plant-animal interaction, habitat management, endangered species management, population viability analysis, reserve design in theory and practice, fragmentation. Some emphasis is given to the forests and woodlands of the sclerophyll land systems, but examples are taken from other system when appropriate.

assessment: to be advised

4079 Ecofeminist Theory and Politics

3 points not offered in 2000

3-hour workshop each week

quota will apply

restrictions: 3133 Environmental Feminism; 3208 Women and Environments

This subject explores the interface between environmental studies and women's studies. In particular, the subject is concerned with the development of ecofeminism as a spectrum of theoretical discourse and political practice. Introductory lectures examine Western concepts of the Society-Environment relation from a range of

ecofeminist perspectives (liberal to poststructural), comparing these perspectives with conventional environmentalist perspectives.

The series of lectures critically examine ecofeminist accounts of the origin of a 'dysfunctional' Society-Environment relation in the West and ecofeminist proposals for the transformation of the Society-Environment relation currently dominant in Western and Westernised societies.

assessment: to be advised

7766 Ecotourism: Opportunities and Impacts

3 points semester 2

3 hour workshop each week; fieldwork

This subject examines ecotourism from an environmental management perspective rather than a tourism industry perspective. The subject will focus on the identification of ecotourism opportunities in natural environments (particularly the arid/semi-arid environments of South Australia), the assessment of the potential impacts of ecotourism activities in these environments and the development of strategies to manage these impacts so that activities will be ecologically sustainable.

assessment: to be advised

1716 Educating for the Environment

3 points semester 2

3 hour workshop each week; fieldwork

Educating for the Environment adds to the generally accepted purposes of education, the development of an environmental consciousness among learners in order to change values, attitudes, actions and behaviours in ways that will help in saving our environment and creating an improved future world.

The first objective of this subject will be to identify the principles on which the development of this environmental consciousness should be based and document its spread in formal educational systems. The problem of incorporating Environmental Education into conventional models of curriculum development will also be considered. Objective 2 will be to consider how educational processes in both formal and informal spheres of education reflect the principles on which environmentalism is based: an active, committed, less hierarchical system of education.

The third objective is to examine educational practices in formal institutions at all levels and in informal

situations including business, union, community and other organisations.

In pursuing each of these objectives, examples from Australia, from other countries and international initiatives will be studied.

assessment: to be advised

2550 Environmental Earth Science

3 points not offered in 2000

3-hour workshop per week

This subject deals with the evolution and characteristics of the earth's major terrestrial and marine environments and with the natural processes which gave rise to these environments. It also aims to provide a general overview of the global and regional environmental fluctuations resulting from interactions between the geosphere, biosphere and atmosphere from the time of the earliest recognisable human societies onwards. Particular attention is focused on the ways in which human activities have accelerated or modified natural processes and interactions, often to the detriment of both human societies and their environment.

assessment: to be advised

2290 Environmental Economics

3 points semester 1

2 hours per week

This subject will consider the following topics: Economics as the science of choice; Human satisfaction and demand; Production and supply; The interplay of supply and demand and the notion of the market; Failure of the market externalities, information deficiencies; Time in economics. Problems of inter-generational allocation; Benefit/cost analysis and social decision making; Taxes, subsidies and bans as remedies for market failure; Income distribution effects of environmental policy and its remedies; Global economic issues: Resource depletion, irreversibility, extinction, etc.; No growth economics: limits to growth; Sustainable development.

Overall the object is not to produce instant economists, but rather, to enable the students to converse with economists and know when economists are up to no good! To this end the course will attempt to outline basic neo-classical micro-economic analyses, but always critically.

assessment: to be advised

1865 Environmental Futures: Local and Global Sustainability

3 points semester 2

3 hour workshop each week; fieldwork

Redefining our vision of sustainable living, and changing the vision into reality through management for sustainability, is the challenge facing communities, local and global. How do we - clarify our vision? learn to think strategically? mind-map complexity? negotiate with those with different views? harness existing community strengths? integrate sectoral management expertise? plan for local government involvement? prioritise environmental management actions? This subject combines recent environmental management tools and thinking with international and local case studies in environmental management for integrated ecological, social and economic sustainability.

assessment: to be advised

9474 Environmental Hazards

3 points not offered in 2000

2 lectures, 1 tutorial per week

This subject gives an introduction to the description, classification and human perception of environmental hazards. It covers rapid onset events such as earthquakes, storms and cyclones, flooding, volcanic activity, together with human induced events such as explosions, oil and chemical spills, nuclear accidents and major transport disasters. The subject also covers risk assessment, adjustment to hazards, disaster preparedness and planning. The course uses Australian and/or local examples where appropriate.

assessment: to be advised

8865 Environmental Impact Assessment (Env.St.)

3 points semester 2

3-hour workshop per week

restrictions: 1183 Environmental Impact Assessment Practice

This subject introduces the methodology of environmental impact assessment (EIA) and examines the development of EIA overseas. The subject then focuses on EIA in Australia and, in particular, draws on case studies of EIA in South Australia. Different levels of EIA are examined alongside the responsibilities for decision-making. A number of major projects with environmental impact statements (EISs) are critically examined together with the EIS process in South

Australia. This includes discussion of recent changes to the legislation..

assessment: to be advised

5614 Environmental Linguistics

3 points semester 2

3-hour workshop per week

quota will apply

restrictions: 2267 Special Topic in Environmental Studies (1994)

This subject explores the role of language in human perceptions of the environment. It will address both the question what principled limitations are imposed by the grammar and lexicon of selected languages and the ways in which a language such as English can be used to create different discourses on environmental topics. Some of the topics to be discussed will include: ecospeak; linguistic and natural classes; environmental metaphors; upgrading environmental terminology; environmental disclosure in non-European languages.

assessment: to be advised

6049 Environmental Management of Mining

3 points not offered in 2000

3-hour workshop per week

Mining, oil production and other development for mineral extraction rarely fail to generate controversy. Are mineral extraction and environmental conservation incompatible? This question is examined within a framework of ecologically sustainable development and in the context of modern methods of mining and new systems of environmental management and land rehabilitation.

The monitoring and mitigation of environmental impacts (physical, biological, social/cultural) of mineral extraction (onshore and offshore, surface and underground) are described through local and international case studies. As well as receiving a practical introduction to best-practice environmental management, students will investigate political and environmental issues generated by recent mining developments.

assessment: to be advised

7420 Environmental Organisation and Activism

3 points semester 2

3-hour workshop each week; fieldwork

There are many forms of environmental policy advocacy. Some environmentalists seek change through government and/or corporate practices. This subject, however, concentrates on the non-institutional components of the environment movement. In this vein, the role and scope of green non-government organisations, networks, associations and groups are reviewed. Apart from understanding the mechanics of decision-making and power-distribution within these collective forms, students investigate numerous environmental campaigns which have been fought by non-government, non-profit groups.

This theoretical dimension is complemented by a strong local, fieldwork component. Students will work in small teams on environmental projects involving environmental 'grass-roots' groups and non-profit organisations.

assessment: to be advised

3099 Environmental Planning and Protection Law (Env.St.)

3 points semester 1

2-hour lecture a week; fortnightly seminars

quota will apply

restrictions: 7272 Environmental Planning and Protection Law

prerequisites: 2594 Bridging Environmental Law

This subject examines regulatory mechanisms that address environmental problems and focuses particularly upon the regulation of development. An introductory section examines the nature of environmental problems in Australia and the general structure of environmental law. Specific topics addressed subsequently are constitutional responsibilities and powers with respect to environmental planning and protection; land-use planning systems; environmental impact assessment; and legislation to promote development.

A further section of the subject, which will vary in content from year to year, examines more recent forms of environmental regulation, to be selected from the following topics: pollution controls (air, water, noise); waste disposal (solid and hazardous wastes); regulation of hazardous substances (pesticides, environmental contaminants, radioactive substances, lead, asbestos); regulation of human-ingested products (food additives, therapeutic substances). Finally, a section on

environmental litigation will examine tortious actions, criminal and civil enforcement of environmental legislation and statutory appeal procedure. The role of courts and lawyers on the resolution of environmental disputes will also be discussed.

assessment: to be advised

2005 Environmental Politics

3 points semester 2

2 lectures, 1 tutorial per week

restrictions: 7731 Green Politics and Policy III

This subject is divided into two parts. The first, political theory, investigates the ways environmental thought connects with major threads of traditional political theories. In addition, this section seeks to understand recent innovations which have contributed to what we now understand as modern environmental political thought.

After establishing the philosophical and epistemological underpinnings, the subject then concentrates on policy making. There are numerous political processes through which participants pursue political goals. These range from the informal dynamics of networks, groups and social movements through to the more institutionalised responses of organisations, corporations, political parties and governments. These processes are reviewed using comparative analytical models and extra/inter/national examples taken from Australasia, the Asia-Pacific, North and South America, Europe and Africa.

assessment: to be advised

8249 Environmental Reconstruction and Rehabilitation

3 points semester 1

2 lectures, 3 hours of practical work per week; fieldwork

restrictions: 2438 Conservation in Human-Dominated Landscapes; 8905 Environmental Reconstruction and Rehabilitation III

This subject examines management strategies for conserving native species and ecosystems in human-dominated environments where the native vegetation cover has been fragmented and persists only on patches and strips of remnant natural land scattered within a matrix of introduced vegetation and human constructions on settled (rural-agricultural, industrial and urban) land. The subject considers strategies for the design of 'island and corridor' ecological reserve systems, but concentrates on strategies for the rehabilitation of remnant natural land outside of

ecological reserves and strategies intended to promote biological and soil conservation on settled land by restoring analogs of native ecosystems.

In addition to lectures, the subject includes practical sessions involving laboratory and field exercises. These exercises are used to illustrate concepts presented by the lectures and to demonstrate techniques of environmental restoration and rehabilitation.

assessment: to be advised

1683 Environmental Risk Management

3 points semester 1

3 hour workshop each week; fieldwork

quota may apply

restrictions: 2667 Special Topic in Environmental Planning (1996)

Changes to Australian environmental legislation in recent years have caused companies, local government and public utilities to take stock of their exposure to liability for environmental damage and to put into practice environmental management systems and programs designed to protect the environment, achieve greenhouse and other policy targets, reduce risks and improve productivity. Cleaner production, waste reduction/recycling/reuse, environmental audits, monitoring, environmental risk assessment and the integration of environmental management plans with quality management and occupational health and safety plans are being adopted by organisations aiming to run cleaner, better and more profitably. Through lectures from practitioners, workshops and industry visits, this subject gives a practical introduction to these practices and critically examines their contribution to achieving ecologically sustainable development at local and global levels.

assessment: to be advised

3216 Environmental Systems Management

3 points semester 1

2 lectures, 1 tutorial per week

restrictions: 4088 Environmental Systems Management III

This subject examines some of the ways in which human societies have sought to modify and manipulate their natural environment from the time of prehistoric hunter-gatherers and the inception of plant and animal domestication until the present day. The aim of the subject is to suggest how our global physical and biological resources may be managed on a more

sustainable basis by careful evaluation of both the beneficial and the adverse effects of various forms of human interaction with local, regional and global natural systems. Topics considered include deforestation, biodiversity and global carbon storage; land degradation and desertification; salinisation and integrated catchment management; soil, water and air pollution; plant and animal extinctions; global warming and climatic change; management of toxic wastes; ozone depletion; disease; international waters; UNEP, UNDP and the Global Environment Facility; the International Geosphere-Biosphere Program; and environmental management in Australia.

assessment: to be advised

2056 Environmental Writing

3 points not offered in 2000

3-hour workshop per week

This subject explores the relationships between culture and nature through literature. The subject is divided into two specific parts. The first part - environmental literatures - examines a selection of predominantly Western non-fiction which focuses on the connectedness between humans and concepts of place. The second part - environmental writing - includes an environmental writing workshop, where students are encouraged to produce their own works of environmental non-fiction.

assessment: to be advised

4550 Gender, Environment, Development

3 points not offered in 2000

3-hour workshop per week

This subject examines the connections between gender, environment and development (GED) in two ways: through guided reading and discussion of literature providing a theoretical analysis of GED issues, and by means of workshops in which students will design and discuss the results of their own field-based projects on current GED issues

assessment: to be advised

5941 History and Philosophy of Environmentalism

3 points semester 1

2 lectures, 1 tutorial per week

restrictions: 5886 History and Philosophy of Environmentalism III

This subject sets those scientific, political, social, ethical ideas and aspirations we call environmentalism

into the mainstream of the development of western thought and culture. It shows that the dominant western attitudes to our environment have been formed primarily by despotic rather than stewardship religious views, reductionist rather than holistic scientific methods, anthropocentric rather than ecocentric philosophical attitudes and exploitative rather than conservative economic theories and practices. The way that these erstwhile dominant attitudes are changing are described.

The subject will examine the variety of philosophical and ethical arguments why humans should protect and conserve the environment of which they are a component. A particular feature of this subject will be practical investigations of ethical, political and economic dilemmas raised by a variety of particular, often personal issues such as genetic engineering, vegetarianism, ecotourism, nonviolent direct action and others.

assessment: to be advised

1452 Indigenous Australians and Environmental Management S

3 points semester 1

Contact hours to be advised

Contemporary land and resource use and management by Aboriginal people, and its relationship to sustainable development. Theoretical frameworks drawing on development studies, emphasising concepts of empowerment and indigenous self determination and participatory approaches to resource management. Exploration of the positive and negative impacts of Australian resource management on indigenous people. Aboriginal world views, social organisation and relationships to country. Skills in communicating and negotiating with Aboriginal people. Specific topics covered include Aboriginal ecologies; subsistence economies; land and sea rights including native title; co-management regimes; heritage management; the role of Aboriginal organisation in environmental management.

assessment: to be advised

4613 Introduction to S.I.S.

3 points semester 1

This topic is concerned with the identification and description of the hardware and software components of Spatial Information Systems; database models; data capture; nature and characteristics of spatial data; data vector and raster S.I.S.s; data analysis; geographic modelling; data integration.

assessment: essay workshop report 60%, exam 40%

3990 Land Use Planning Law (Env.St.)

3 points semester 2

2-hour lecture per week, plus fortnightly seminars

restrictions: 7225 Land-Use Planning Law, 7730 Land Use Planning Law

prerequisites: 3099 Environmental Planning and Protection Law (Env.St.), or equivalent

The focus of this subject is upon the control of land development under the South Australian planning system. The subject commences with an examination of the historical evolution of the planning system, and then considers the nature of the planning procedures under the Development Act 1993 and of controls imposed thereunder. It examines the powers and procedures of planning authorities and, through the seminar program, it considers the methods of dealing with selected planning issues, including shopping, housing segregation and aesthetics. The subject also considers the role of appeal tribunals and public participation procedures; alternative modes of planning; control of government development, particularly transport; and responsibility for housing. The subject concentrates upon legal analysis of planning problems.

assessment: to be advised

6631 Managing Coastal Environments

3 points semester 2

3 -hour workshop per week, plus field work.

This subject examines selected strategies for managing coastal environments from around the world, although the main focus is the Australian coast. Where appropriate, local examples are used and followed up with local coastal fieldwork. The subject provides an overview of various coastal processes as a background to an understanding of coastal management issues. A major focus of the subject is on recent coastal management initiatives in Australia by both the Commonwealth Government and State Governments.

assessment: to be advised

4358 Population and the Environment (Env.St.)

3 points semester 2

Two 4 hour workshops per week

restrictions: 2757 Population and the Environment

This subject introduces basic concepts and analysis of ecosystems and key interrelationships between population and environment within the context of

development issues and policies. It deals with resource depletion and management, land use and agricultural systems related to population pressure, population mobility, urbanisation and the environment and integrated approaches to population-environment planning.

assessment: to be advised

8375 Practical Environmentalism

3 points not offered in 2000

3 hour workshop each week; fieldwork

quota may apply

this subject examines the most common behaviours, activities and means of control advocated by or urged on environmentalists. The objectives are to determine whether, to what extent and in what circumstances, the measures advocated are appropriate and effective in conserving resources and protecting the environment. The subject will assist students to make effective lifestyle choices, help them minimise their own adverse environmental impacts and give them knowledge and skills to argue rigorously and effectively for their opinions.

assessment: to be advised

1201 Principles of Environmental Science

3 points semester 2

3-hour workshop per week

The focus of this subject is upon the interactions between the different natural systems which together provide the basis for life on earth. Particular emphasis is given to the dynamic nature of these interactions over time and space. The subject also considers some of the ways in which an analysis of past environmental variations can be a powerful means of understanding the likely range and magnitude of natural system responses to future environmental changes.

assessment: to be advised

9873 Special Topic in Environmental Management

3 points semester 1 or 2

3-hour workshop per week

Details of this subject will be provided in the prospectus for the Mawson Graduate Centre when specialist teaching is available.

assessment: to be advised

1722 Special Topic in Environmental Philosophy and Ethics

3 points semester 1 or 2

Contact hours to be advised

Details of this subject will be provided when specialist teaching is available.

assessment: to be advised

2667 Special Topic in Environmental Planning

3 points semester 1 or 2

3-hour workshop per week

Details of this subject will be provided when specialist teaching is available.

assessment: to be advised

7888 Special Topic in Environmental Policy

3 points semester 1 or 2

3-hour workshop per week

Details of this subject will be provided when specialist teaching is available.

assessment: to be advised

8594 Special Topic in Environmental Science

3 points semester 1 or 2

3-hour workshop per week

Details of this subject will be provided when specialist teaching is available.

assessment: to be advised

2267 Special Topic in Environmental Studies

3 points semester 1 or 2

3-hour workshop per week

Details of this subject will be provided when specialist teaching is available.

assessment: to be advised

2124 Urban Environments

3 points not offered in 2000

3 hour workshop per week, plus field work and supervised group-project work

restrictions: 2267 Specialist Topic in Environmental Studies, as offered in 1992

This subject concentrates on people and urban environments. It is divided into two major parts. First, the political and social theory literature which pertains to urban environments will be examined. There is a heavy emphasis on politics and social equity in urban environments. Secondly, certain urban environmental issues will be focused upon to bring this theory to life. Some of these issues will include: housing, transport, 'lifestyle', urban planning, domestic arrangements, 'amenity' provision, and local government.

assessment: to be advised

Dissertation

7704 Environmental Research Methodology and Project F/T

12 points semester 1 or 2

This subject will introduce students to the process of environmental research and assist them to acquire the skills necessary to successfully plan, undertake and present the results of an environmental research project. To successfully complete the subject students must attend and participate in all the required methodology workshops, submit a satisfactory proposal for an environmental research project and a satisfactory research plan early in the first semester, provide a satisfactory account of progress made in the research project by mid-year, and submit a satisfactory dissertation on the methodology and results of the research project by the end of the year.

assessment: dissertation of 15000-20000 words

7084 Environmental Research Methodology and Project P/T

12 points full year

The subject will introduce students to the process of environmental research, and assist them to acquire the skills necessary to successfully plan, undertake and present the results of an environmental research project. To successfully complete the subject students must attend and participate in all the required methodology workshops, submit a satisfactory proposal for an environmental research project and a satisfactory research plan early in the first semester, provide a satisfactory account of progress made in the research project by mid-year, and submit a satisfactory dissertation on the methodology and results of the research project by the end of the year

assessment: dissertation of 15000-20000 words

Master of Logic

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Master of Logic degree must have qualified for an Honours degree from the University at First Class or IIA standard in the field of Logic or other appropriate field of study in Departments of the Faculty of Arts or the Faculty of Mathematical and Computer Sciences, or the Graduate Diploma in Logic at Credit level or higher, or other qualification accepted for the purpose by the University.
- 1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions as it may see fit to impose in each case, accept as a student for the degree a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Masters degree.

2 Status, exemption and credit transfer

- 2.1 Except by the special permission of the Head of the Department of Philosophy, no student may gain status towards the Thesis component of the course for other studies undertaken in the University or other institutions.
- 2.2 Students of the Masters degree who have successfully completed the Graduate Diploma in Logic will be awarded status for any subjects completed in the Graduate Diploma of Logic.

3 Duration of the award

To qualify for the degree a student shall satisfactorily complete a course of one and one-half years of full-time study or not more than three years of part-time study.

4 Qualification requirements

The course of study for the degree of Master of Logic shall be made up of two parts with an aggregate points value of 36 points, consisting of coursework subjects to the value of 24 points and a 12 point dissertation.

5 Course of study/Subjects of study

All students shall satisfactorily complete the following two parts:

5.1 Coursework Subjects

5.1.1 Core Subjects

All students shall complete the following subjects:

3402 Advanced Logic A (PG)	6
7665 Argument (PG)	4

(Students who are exempted from studying the subject 2614 Advanced Logic A (PG) due to having previously completed 4259 Logic IIIA or its equivalent will be required to present a further 6 points of elective subjects listed in 6.1.2 in lieu of this requirement.)

5.1.2 Elective Subjects

All students shall complete elective subjects to an aggregate value of 8 points chosen from the following:

2614 Advanced Logic B (PG)	2
1619 Artificial Intelligence (PG)	2
9669 Graduate Topic in Logic A	2
5048 Graduate Topic in Logic B	2
7889 Graduate Topic in Logic C	2
2043 Graduate Topic in Logic D	2
1998 Intermediate Logic (PG)	

Flinders University Subjects:

COMP 3007 Artificial Intelligence	2
COMP 3009 Computational Logic	2
PHIL 2080 Logic, Reasoning and Argumentation	4

and, subject to the approval of the Department, students may be able to pursue in lieu of 2 elective points further studies towards the requirements of the Project in Logic outlined in 6.1.3, below. Such students will enrol in the following subject:

- 2637 Supplementary Major Project in Logic 2
concurrently with the subject
3890 Major Project in Logic

5.1.3 Project in Logic

- All students shall enrol in:
3890 Major Project in Logic 6

5.2 Dissertation

- All students shall complete:
6383 Dissertation in Logic F/T 12
or
8081 Dissertation in Logic P/T 12

6 Academic progress

- 6.1 A student who fails a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe.
- 6.2 A student who has twice failed a subject may not enrol for that subject again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.

7 Assessment and examinations

- 7.1 There shall be four classifications of pass in any subject for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.
- 7.2 For the purposes of this clause a student who is refused permission to be assessed, by examination or otherwise, or who does not, without a reason accepted by the Head of the relevant Department as adequate, attend all or part of a final examination (or supplementary examination if granted) after having enrolled for at least two thirds of the normal period during which the subject is taught, shall be deemed to have failed the subject.

8 Articulation with other awards

- 8.1 Students who complete the Graduate Diploma in Logic at credit level or higher are eligible to apply for the Master of Logic course, and if successful, on gaining entry, receive status for the work they have undertaken in the Graduate Diploma.
- 8.2 Students who have conferred upon them the award of Graduate Diploma in Logic who subsequently successfully complete the requirements of the Master of Logic and who

have been granted 18 or more points of status on behalf of their Graduate Diploma must surrender their first award before being admitted to the degree of Master of Logic.

- 8.3 Notwithstanding the above Rules a student who has been enrolled for the degree of Master of Logic and who has completed the work prescribed for the Graduate Diploma in Logic and who has not been awarded the Masters degree shall be awarded the Graduate Diploma.

Syllabuses

3402 Advanced Logic A (PG)

6 points semester 2

2 lectures, 1 tutorial per week

prerequisites: 3037 Logic 2 or 1998 Intermediate Logic (PG) or 5780 Logic 111 or 2614 Advanced Logic B, or, with permission, an equivalent standard

Infinite sets, semantics of first order logic, computability, non-classical logic, inconsistent mathematics, philosophical aspects of logic, mathematics and computing.

assessment: exam and essay

2614 Advanced Logic B (PG)

2 points semester 2

2 lectures per week; tutorial every 3 weeks

prerequisites: either 9786 Mathematics 1 (Pass Div 1) or 9595 Mathematics 1M (Pass Div 1) or 3037 Logic 11 or 1998 Intermediate Logic (PG)

Propositional logic, first order theories, interpretations and models, Godel's completeness theorem for predicate logic. Computability: Turing machines, recursive functions and the halting problem. Undecidability of the predicate calculus. Godel's theorem for elementary number theory.

assessment: 2 hour exam; a small percentage may be allocated for class exercises

7665 Argument (PG)

2 points semester 1

2 lectures, 1 tutorial per week

A course in applied logic: truth, validity, soundness, necessity, contingency, impossibility, definition, circularity, Venn diagrams, structure of arguments, legal reasoning, opinion, fallacies, induction, explanation, science and pseudoscience.

assessment: exam and essays

1619 Artificial Intelligence (PG)

2 points semester 1

2 lectures, 2 hours practical work per week; tutorial every 3 weeks

prerequisites: none, but students must consult with the degree coordinator over assumed knowledge

AI methodology and fundamentals, description, matching and goal reduction, ANALOGY, and/or trees, exploiting natural constraints, Waltz algorithm, search,

hill climbing, beam, best-first, A*, minimax procedure and alpha-beta pruning for game-playing, learning, parameter-adjustment and Winston near-miss/reinforcement procedure, means-end analysis and GPS, rule-based systems, forward- and backward-chaining, MYCIN, Xcon, generate and test paradigm with Dendral. Representation issues: inheritance, demons, defaults, perspectives, frames, primitives, aspects of Prolog, neural networks, recurrent backpropagation technique.

assessment: 2 hour exam, practicals and exercises

9669 Graduate Topic in Logic A

2 points semester 1

2 hour seminar a week

prerequisites: 3402 Advanced Logic A or 4259 Logic 111A

A selection of advanced topics in classical logic.

assessment: exam or essay

5048 Graduate Topic in Logic B

2 points semester 1

2 hour seminar a week

prerequisites: 3402 Advanced Logic A or 4259 Logic 111A

A selection of advanced topics in non-classical logic.

assessment: exam

7889 Graduate Topic in Logic C

2 points semester 2

2 hour seminar a week

prerequisites: 3402 Advanced Logic A or 4259 Logic 111A

A selection of advanced topics in category theory.

assessment: exam

2043 Graduate Topic in Logic D

2 points semester 2

2 hour seminar a week

prerequisites: 3402 Advanced Logic A or 4259 Logic 111A

A selection of advanced topics in semantics.

assessment: exam

1998 Intermediate Logic (PG)

4 points semester 1

2 lectures, 1 tutorial per week

prerequisites: Logic 1 or equivalent

Proof theory and introduction to semantics of first order logic with identity, alternative notations and alternative logics, many-valued logics, modal logic, introduction to philosophical aspects of logics.

assessment: exam and essay

3890 Major Project in Logic

6 points full year

Supervision as appropriate

prerequisites: 3402 Advanced Logic A or 4259 Logic 111A

This subject is intended as a research project which may be taken as the last subject for the Grad Dip Log.

assessment: project

2637 Supplementary Major Project in Logic

2 points full year

Supervision as appropriate

prerequisites: 3402 Advanced Logic A or 4259 Logic 111A

This subject is intended as a supplementary subject to extend the Major Project in Logic

assessment: project

Dissertation

9573 Dissertation in Logic F/T

12 points semester 1 or 2

or

4019 Dissertation in Logic P/T

12 points full year

A dissertation of 15-18000 words

Flinders University Subjects

These subjects are offered by Flinders University of . Students enrolled at the University of Adelaide, in the Graduate Certificate, Graduate Diploma or Masters course in Logic, wishing to take these subjects (within the limits indicated in the Schedules) will be granted appropriate credit towards their Adelaide award.

Students taking any of the subjects must comply with Flinders University enrolment procedures, details of which are available from the Flinders University

Enrolments Officer. Students must present a copy of their official results from Flinders University to the Faculty of Arts so that status can be awarded in their Adelaide degree.

COMP 3007 Artificial Intelligence

2 points semester 2

2 lectures, 1 tutorial per week

assumed knowledge: students must consult with the degree coordinator

restrictions: 8352 Artificial Intelligence IV or 6378 Artificial Intelligence.

Topics chosen from: methodologies of AI, philosophical issues, cognition and perception, knowledge representation methods, automated inference, rule-based systems, search methods, machine learning, knowledge engineering, computer vision, natural language understanding, game playing. PROLOG will be the major vehicle for assignments.

assessment: to be advised

COMP 3009 Computational Logic

2 points semester 1

Lectures, 1 tutorial per week.

assumed knowledge: students must consult with the degree coordinator

A study of the language and methods of logic, conceived as providing natural tools for writing and evaluating computer programs. Topics include concepts of propositional and predicate logic, theories with equality, and modal logic as applied to artificial intelligence. A major emphasis will be the way research into automated theorem proving has spawned the PROLOG language and the logic programming paradigm.

assessment: examination

PHIL 2080 Logic, Reasoning and Argumentation

2 lectures, one tutorial per week.

4 points semester 2

A study of propositional and predicate logic, emphasising its role in analytical problems, including those involving in heterogeneous (spatial and verbal) forms.

assessment: to be advised

Master of Social Sciences

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the degree of Master of Social Sciences shall:

- (a) have qualified for an Honours degree of the University at IIA level or higher, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a Honours degree of the University
- (b) have qualified for the Graduate Diploma in a related field at Credit level or higher.

2 Duration of course

To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising three semesters of full-time study or not more than three years of part-time study.

3 Course requirements

To qualify for the degree of Master of Social Sciences, a candidate shall satisfactorily complete subjects to the value of 36 points, as follows:

3.1 Core subjects

All candidates shall complete core subjects to a total of 12 points from the following:

4462 Approaches to Social Sciences Research (4 pt) 4

or

4226 Approaches to Social Sciences Research (6 pt) 6

and

core subjects available in the following Social Sciences graduate coursework degrees in the Faculty of Arts: Applied Linguistics, Cognitive Science, Educational Studies, Environmental Studies, International Studies, Labour Studies, Philosophy, Population and Human Resources, Spatial Information Science and Women's Studies.

3.2 Elective subjects

All candidates shall complete elective subjects to the value of 12 points selected from the following Social Sciences graduate coursework degrees in the Faculty of Humanities and Social Sciences: Applied Linguistics, Cognitive Science, Educational Studies, Environmental Studies, International Studies, Labour Studies, Philosophy, Population and Human Resources, Spatial Information Science and Women's Studies.

3.3 No candidate will be permitted to count for the degree any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award

3.4 Research Project or Dissertation

All candidates shall complete either the full-time or the part-time version of the following subject:

6010 Social Sciences Dissertation (F-T) 12

1274 Social Sciences Dissertation (P-T) 12

or

8477 Research Project in Social Sciences 8

and

one additional elective subject to the value of not less than 4 points.

3.4.1 The dissertation or research project will be supervised by staff in the relevant discipline or area of study.

3.4.2 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the Special Research Project to the Faculty, after it has been passed and accepted for the degree.

4 Status, exemption and credit transfer

4.1 Except with special permission of the Faculty, no candidate will be granted status for any subject which he or she has already completed for another award.

4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

- 4.3 In any case, no candidate will be awarded more than 12 points of status, except for those candidates who have completed the Graduate Diploma in Social Sciences (see Rule 6 below).
- 4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the Master of Social Sciences: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

- 6.1 A candidate for the Master of Social Sciences who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those degrees as appropriate.
- 6.2 A candidate who has been admitted to the Graduate Diploma in Social Sciences and who subsequently satisfies the requirements for the Master of Social Sciences must surrender the Graduate Diploma before being admitted to the Master degree.
- 6.3 A candidate for the degree of Master of Social Sciences who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma

Syllabuses

compulsory core subjects

4462 Approaches to Social Sciences Research (4 pt)

4 points semester 1

4226 Approaches to Social Sciences Research (6 pt)

6 points semester 1

This core subject provides students with a basic understanding of the philosophical underpinnings of modern social science. The various approaches to social science research are explored and students are taught basic skills in the collection o, analysis and presentation of social science information. There is a computer and practical component included in the 6 point version of the subject.

elective subjects

5361 Directed Study P/G (4 pt)

4 points semester 1 or 2

3691 Directed Study P/G (6 pt)

6 points semester 1 or 2

restrictions: only with permission of Course convenor

This unit will allow candidates to pursue an independent project or area of investigation developed in collaboration with a supervisor.

assessment: seminar paper, major essay

Note: please refer to graduate social sciences degrees named in the Specific Course Rules for syllabus details of other elective subjects.

Dissertation

6010 Social Science Dissertation F/T

12 points semester 1 or 2

1274 Social Science Dissertation P/T

12 points full year

Candidates undertake an original piece of research in the field in which they have chosen to specialise through their elective options..

assessment: 15000-20000 word dissertation on a topic approved by Course Coordinator.

8477 Research Project in the Social Sciences

8 points semester 1 or 2

Candidates who choose this option complete a piece of individual research of a standard suitable for publication in a journal appropriate to the field of study.

Master of Spatial Information Science

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the degree of Master of Spatial Information Science shall

- (a) have qualified for an Honours degree of the University in an appropriate field of study at IIA or higher, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a Honours degree of the University
- (b) have qualified for a Graduate Diploma in Spatial Information Science at a Credit level or higher *or*
- (c) have qualified for an Ordinary degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years' approved professional work experience.

1.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Duration of course

To qualify for the degree, a candidate shall satisfactorily complete three semesters of full-time study or not more than three years of continuous part-time study.

3 Course of Study

To qualify for the degree of Master of Spatial Information Science, a candidate shall satisfactorily complete subjects to a total of 36 points, as follows:

3.1 Core subjects

6155	Introduction to Spatial Data Models	3
4613	Introduction to Spatial Information Systems	3

5107	Spatial Data Modelling and Analysis	3
3088	Spatial Data Visualisation	3

3.2 Elective subjects

12 points selected from the following:

2445	Advanced Raster Analysis	3
2523	Field Sampling Techniques	3
2833	New Technologies in GIS	3
9342	Social Applications in GIS	3

Students may also select from elective subjects offered by the Department of Environmental Science and Rangeland Management. It may also be possible to substitute other electives to a total of 3 points from cognate areas with the permission of the Course Convenor

3.3 Research project

All candidates shall complete either the full-time or the part-time version of the following subject:

9137	Dissertation (SIS) F/T	12
8147	Dissertation (SIS) P/T	12

3.3.1 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the dissertation to the Department, after it has been passed and accepted for the degree.

4 Status, exemption and credit transfer

4.1 Except with special permission of the Faculty no candidate will be granted status for any subject which he or she has completed for another award.

4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

4.3 In any case, no candidate will be awarded more than 12 points of status, except for those candidates who have completed the Graduate Diploma in Spatial Information Science (see Rule 6 below).

4.4 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in any subject for the degree of Master of Spatial Information Science: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 5.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

6 Articulation with other awards

- 6.1 A candidate for the Master of Spatial Information Science who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those degrees as appropriate.
- 6.2 A candidate who has been admitted to the of Graduate Diploma in Spatial Information Science and who subsequently satisfies the requirements for the Master of Spatial Information Science must surrender the Graduate Diploma before being admitted to the Master degree.
- 6.3 A candidate for the degree of Master of Spatial Information Science who does not complete the requirements of the degree, but who satisfies the requirements for the Graduate Diploma may be admitted to the Graduate Diploma.

Syllabuses

Core subjects

6155 Introduction to Spatial Data Models

3 points semester 1

20 hours lectures, 30 hours practicals, 20 hours to be advised

prerequisites: Introduction to Spatial Information Systems

It is important for any person involved with using digital spatial data to have a sound understanding of how those data are represented within the computer. How reality is modelled within the computer system has vast implications for both the methodologies used to manipulate and analyse, and the final evaluation of any output. Lectures and practicals cover both raster and vector models with examples derived from applications ranging from satellite image analysis through to urban digital cadastres and the 1996 Census.

Topics include: introduction - storing and manipulating numbers within a computer, introduction storing spatial data within a computer system, the Vector vs Raster debate; storing vector data, vector data models - storing coordinates, coordinate accuracy, coordinate precision, storing topology, network models, vector based surface models (TINs,) proprietary models e.g. ARC/INFO georelational model; storing Raster data, raster data models - types of rasters and their storage methods, raster based surface models, 3D data models, vector-to-raster conversion; storing attribute data - introduction to database issues.

assessment: essay 20%, project 35%, exam 45%

4613 Introduction to Spatial Information Systems

3 points semester 1

20 hours lectures, 30 hours practicals, 20 hours to be advised

This subject will introduce - basic concepts associated with inputting, storing, manipulating, modelling and visualising spatial data, some of the problems likely to be encountered, and some of the methods and types of software used. It covers the two dominant models for dealing with spatial data, the raster and vector models. A general introduction to the spatial data and spatial data handling, including: Definitions of both IS and GIS; some examples of GIS & RS applications, especially to illustrate their diversity; some comments on computer cartography and the history of the GIS field; some fundamental concepts; projections, coordinate systems and scale.

The development of remote sensing to the present day; the division between visual interpretation and

computer assisted interpretation of raster images - spatial data input, methods of input, digitising vs scanning, other sources of spatial data e.g. the Census, Cadastral Archives, GPS, remotely sensed data; storing spatial data, an introduction to spatial data models, methods of modelling reality (conceptual level), issues and implications of generalisation; manipulating Spatial Data, projections, transformations; vector data modelling; Raster data modelling, map algebra, Simple computer enhancements of image data; visualisation of spatial data; 2, 2.5, 3D visualisation techniques; Visualising multidimensional data.

assessment: essay 20%, project 35%, exam 45%

5107 Spatial Data Modelling and Analysis

3 points semester 1

20 hours lectures, 30 hours practicals, 20 hours to be advised

prerequisites: Introduction to Spatial Information Systems

Over the last 10 years Spatial Information Systems have developed to handle the increasingly large amounts of digital spatial data available. Spatial analytical techniques derived from Geography and Remote Sensing are used to search, and refine these large amounts of data to produce timely, relevant information. This module provides a broad introduction to both the vector and raster analytical methods commonly in used within Spatial Information Systems.

Raster based Analysis - advanced computer enhancements of raster data; radiometric rectification and spectral transformations of remotely sensed raster data; classification of Raster data; classification by unsupervised techniques; supervised classification using spectral techniques; supervised classification using non-spectral decision Rules; surface analysis of Raster Data. Vector based Analysis - point methods, clustering techniques; line methods, network analysis; area methods, overlay analysis. Analysis of Error

assessment: essay 20%, project 35%, exam 45%

3088 Spatial Data Visualisation

3 points semester 1

20 hours lectures, 30 hours practicals, 20 hours to be advised

prerequisites: Introduction to Spatial Information Systems

Modern visualisation techniques are increasingly used to explore and analyse spatial data as well as their more traditional role of distributing spatial information. The

initial aim of the module is to provide students with a high level of cartographical knowledge and the computing skills to produce high quality graphical and cartographical output from SIS. This knowledge can then be used within an analytical framework to explore, summarise and analyse large spatial databases (e.g. 1996 Census). Topics include - cartographic communication and cartographic design; cartographic and graphical methods for spatial analysis; graphical interface design; integration of Internet and GIS technologies; te distributing spatial information.

assessment: essay 20%, project 35%, exam 45%

Elective subjects

2445 Advanced Raster Analysis

3 points semester 2
20 hours lectures, 30 hours practicals, 20 hours to be advised

prerequisites: core subjects

This unit carries on from the work commenced in Introduction to Remote Sensing. Topics include: advanced computer enhancements of image data; image data radiometric rectification; image data spectral transformations; image data classification by unsupervised techniques; supervised classification using spectral techniques; inclusion of texture; supervised classification using non-spectral decision Rules, inclusion of GIS data in supervised classification; role of neural networks in supervised classification; integration of raster and vector GIS in remote sensing.

assessment: essay 25%; project 50%; presentation 25%

2523 Field Sampling Techniques

3 points semester 2
10 hours tutorials, 20 hours to be advised, 30 minute presentation

prerequisites: core subjects

Syllabus details to be advised

2833 New Technologies in Geographical Information Systems

3 points semester 2
20 hours lectures, 30 hours practicals, 20 hours to be advised

prerequisites: core subjects

GIS as a science has evolved from experiments with computer cartographic modelling in the 1960/70s to a discipline now encompassing developments such as,

spatial data analysis using artificial intelligence techniques, immersive visualisation and distributed networking strategies. Technology has been the driving influence in this discipline and this module will explore these newer technologies to gauge their impact on the discipline. Lectures will provide theory and context for these areas: artificial intelligence, visualisation and information retrieval strategies. Practicals will focus on developing software solutions for one of these three computing domains.

assessment: essay 25%, project 50%, exam 25%

9342 Social Applications in Geographical Information Systems

3 points semester 2
20 hours lectures, 30 hours practicals, 20 hours to be advised

prerequisites: core subjects

There are an increasing number of large complex digital data sets of relevance to social scientists be they working in an academic, governmental or commercial environment. Because of their complex derivation and nature, these data sets require a high level of skill and a detailed level of knowledge to be used intelligently. The aim of this course is to provide these skills and knowledge.

This subject will cover the following three major areas - introduce the student to the main types of large scale data sets commonly available to social scientists e.g. the various Census data sets (CDATA96), the Cadastral database for South Australia (DCDB), Medical data sets from the Health Commission; identify the limitations and problems associated with using these datasets. Introducing their implications to different types of analysis; introduction and practical application of the main spatial methodologies used to interrogate and analysing these data sets.

assessment: essay 25%, project 50%, exam 25%

Research subjects

9137 Dissertation (SIS) F/T

12 points semester 1 or 2
or

8147 Dissertation (SIS) P/T

12 points full year
10 hours tutorials, 20 hours to be advised, 30 minute presentation

Syllabus details to be determined in consultation with supervisors

Doctor of Education

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the degree of Doctor of Education shall:

- (a) have qualified for the Master of Education, the Master of Education Studies, or the Master of Educational Studies (Educational Administration) degree of the University of Adelaide, or a degree of another institution accepted by the Faculty for the purpose as equivalent, and have at least five years experience in the profession of Education *or*
- (b) have qualified for an Honours degree and for a Graduate Diploma in Education in Education of the University of Adelaide, or the Honours degree and educational qualification of another institution accepted by the Faculty for the purpose as equivalent, and have at least five year experience in the profession of Education.

1.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Acceptance

- (a) the applicant's proposed field of study and research is acceptable to the Board of Graduate Studies in consultation with the Graduate School of Education *and*
- (b) the Graduate School of Education can provide appropriate supervisors and other resources to support the candidature at this University or a collaborating university.

3 Duration of course

3.1 Except in circumstances approved by the Board, the work for the degree shall be completed and the doctoral portfolio submitted:

- (a) in the case of a full-time candidate, in not less than two and not more than three years from the date of commencement of candidature
- (b) in the case of a part-time candidate, not less than four years and not more than six years from the date of commencement of candidature.

4 Extensions and Intermissions

4.1 The Board may grant a candidate one extension of candidature of twelve months beyond the maximum period specified in rule 3.1, but if the doctoral portfolio has not been submitted by the end of that period, the candidature will lapse.

4.2 A candidate whose work is interrupted for a period of time may be granted an intermission of candidature by the Board. If an intermission is approved the duration of the candidature specified in rule 3.1 will be adjusted accordingly.

5 Course requirements

5.1 A candidate shall pursue a course of study and research approved by the Board of Graduate Studies in consultation with the Head of the Graduate School of Education

5.2 To qualify for the degree, a candidate shall satisfactorily complete the coursework and research components outlined below:

5.2.1 Research Coursework subjects

All candidates shall complete research coursework subjects to the value of 24 points, as follows:

2505 Issues in Professional Research	6
1618 Research Strategies in Education: Evaluation	6
1648 Research Strategies in Education: Qualitative	6
4739 Research Strategies in Education: Quantitative	6

or

where appropriate, one of the research coursework subjects could be replaced by a Masters Coursework subject worth 6 points.

5.2.2 Doctoral Portfolio

All candidates shall submit a doctoral portfolio which presents in one coherent body the results of the three Research Projects carried out during the last two years of the course for full-time students, or the last four years of the course for part-time students.

Before beginning a Research Project, the candidate will submit a proposal for the investigation, to be approved by the Graduate School of Education and Board of Graduate Studies. The length of the projects will be determined in consultation with the Head of the Graduate School of Education.

No candidate will be deemed to have completed the work of the Doctor of Education until the Doctoral Portfolio has been examined and passed.

6 Status, exemption and credit transfers

- 6.1 No candidate shall be granted status for subjects with a total value of more than 12 points.
- 6.2 No candidate will be permitted to count for the degree any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.
- 6.3 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Head of the Graduate School of Education, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

7 Assessment and examinations for the coursework

- 7.1 There shall be four classifications of pass for the required research coursework subjects: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 7.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 7.3 A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Faculty and then only under such conditions as may be prescribed.

8 Resumption of lapsed candidature

- 8.1 A candidature which has lapsed will be resumed, for examination purposes only, if a final draft of the doctoral portfolio which has not departed from the field of study which was being pursued before the candidature lapsed is subsequently submitted within two years from the date of expiry of candidature to the Graduate School of Education and is satisfactory to that Department. Any extension beyond two years shall be determined on a case-by-case basis by the Board in consultation with the Graduate School of Education.

9 Assessment and examination of the Doctoral Portfolio

- 9.1 On the completion of the approved course of study and research, a candidate shall submit a doctoral portfolio embodying the results of that study and research. No work or material presented for any other degree within this or any other institution shall be so submitted except where it is specifically relevant and identified and approved by the Board of Graduate Studies. The Board shall prescribe the form in which the doctoral portfolio shall be submitted and the number of copies to be submitted.
- 9.2 The doctoral portfolio shall:
 - (a) display original and critical thought;
 - (b) be a significant contribution to knowledge and the profession of education;
 - (c) be clearly, accurately and cogently written and be suitably illustrated and documented.
- 9.3 A candidate shall notify the Registrar, Graduate Studies, in writing approximately three months before he or she expects to submit the doctoral portfolio. A summary of the doctoral portfolio together with the proposed doctoral portfolio title, shall be submitted at the same time.
- 9.4 (a) A candidate shall have the right to submit objections to the appointment of potential examiners. Any such objections should be submitted to the Registrar, Graduate Studies, at the same time as the notification of intention to submit required under rule 9.3. Such objections shall not serve as a veto.
(b) The Board shall appoint at least two examiners who are external to this university, and who may work in universities or educational systems, taking

account of any objections raised under 9.4 (a) and the recommendations of the Head of the Graduate School of Education.

- (c) The examiners shall be requested to report in such form as the Board prescribes and to recommend one of a number of alternative outcomes described in 9.5 below.
- (d) After consideration of the reports of the examiners, the Board may appoint a third examiner, or an external arbitrator, if deemed appropriate.

9.5 After consideration of the reports of the examiners and such other information as it thinks fit, the Board shall determine that having completed satisfactorily all the requirements of the course the candidate:

- (a) shall be awarded the degree *or*
- (b) shall be awarded the degree but that minor amendments be made to the doctoral portfolio *or*
- (c) shall be awarded the degree subject to specified amendments being made to the doctoral portfolio *or*
- (d) shall not be awarded the degree but shall be permitted to re-submit the doctoral portfolio in a revised form *or*
- (e) may be awarded the degree of Master of Education
- (f) shall not be awarded the degree of Doctor of Education, nor the degree of Master of Education

9.6 A candidate who does not wish to allow the doctoral portfolio to be lent or photocopied when it is deposited in University libraries, after the successful completion of the examination, shall make written application to the Registrar, Graduate Studies, for an embargo to be placed on the portfolio, at the same time as he or she notifies his or her intention to submit. The granting of such permission and the period of embargo involved shall be determined by the Board of Graduate Studies.

10. Annual Review

10.1 A formal review of a candidate's progress shall be conducted by the Graduate School of Education at least once a year during the period when the candidate is working on the doctoral portfolio, in accordance with Board of Graduate

Studies guidelines. A candidate's re-enrolment in the following year is conditional upon his/her having attained satisfactory progress in the year except where the Board is satisfied that special circumstances beyond the candidate's control affected the progress.

If a candidate's progress is unsatisfactory, the Board may terminate the candidature, in accordance with the guidelines outlined in the *Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees*.

Faculty of P.A.L.A.C.E. (Performing Arts, Law, Architecture, Commerce and Economics)

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Graduate Diploma in Urban Design
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Master of Architecture (Electronic Media)*
Master of Building Science
Master of Design Studies
Master of Design Studies (Landscape)
Master of Landscape Architecture
Master of Landscape Architecture by Research
Master of Urban Design
Master of Urban Design (Coursework)

* New course, subject to University approval

Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General Course Rules to the Convenor of Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific Course Rules to the Executive Deans of Faculties.
- 3 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty.

Postgraduate awards in the School of Commerce

Master of Commerce

Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General Course Rules to the Convenor of Academic Board.
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- 3 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty

Postgraduate awards in the School of Economics

Graduate Certificate in Economics

Graduate Certificate in Infrastructure Management

Graduate Certificate in International Economics

Graduate Diploma in Advanced Economics

Graduate Diploma in Applied Economics

Graduate Diploma in International Economics

Master of Economics

Master of Applied Economics

Master of Applied Economics (International)

Master of Economics (Coursework)

Notes on Delegated Authority

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- 3 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty

Postgraduate awards in the School of Law

Master of Comparative Laws (Adelaide/Mannheim)

Master of Environmental Law

Master of Laws

Master of Laws (Corporate and Commercial)

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Notes on Delegated Authority

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- 3 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty
- 4 There is also a Doctor of Laws (LL.D.) whose rules are available on application from the School office.

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Graduate Certificate in Management
Graduate Diploma of Business Administration
Master of Business Administration
Master of Management (Leadership and Enterprise Development)

Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General Course Rules to the Convenor of the Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific Course Rules to the Executive Deans of Faculties.
- 3 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty.

Postgraduate awards in the Elder Conservatorium - School of Performing Arts

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Graduate Diploma in Radio Broadcasting Studies
Master of Music
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Master of Music Theory

Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General Course Rules to the Convenor of Academic Board.
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- 4 There is also a Doctor of Music (D.Mus.) whose rules are available on application from the School office.

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M. Bldg. Sc.

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The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Part of this course may be available in the external mode.

Note: postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Certificate in Architecture (Electronic Media) shall have qualified for the degree of Bachelor of Architecture of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University
- 1.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of course

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or the equivalent of part-time study.

3 Course requirements

- 3.1 To qualify for the Graduate Certificate, a candidate shall satisfactorily complete subjects to the value of 12 points, as follows:

4852 Architectural Design with Electronic Media A	6
9312 Architectural Design with Electronic Media B	6
- 3.2 No candidate may take more than one of the subjects of the Graduate Certificate through distance learning.
- 3.3 No candidate will be permitted to count for the Graduate Certificate any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

- 4.1 A candidate will not be granted status for any subject which he or she has completed for another award.
- 4.2 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Dean of School of Architecture, Landscape Architecture and Urban Design (or nominee) concerned, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in the subjects for the Graduate Certificate. Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

6 Articulation with other awards

A candidate for the Graduate Diploma in Architecture (Electronic Media) who satisfies the requirements for the Graduate Certificate but who does not complete the requirements for the Graduate Diploma may be admitted to the Graduate Certificate.

Syllabuses

4852 Architectural Design with Electronic Media A

6 points semester 1 or 2

Contact hours vary - periods of intensive group contact and periods of less frequent individual tutorials

Students will carry out a series of four small scale architectural design projects designed to use and develop skills and understanding in the 3D representation of design ideas with computer media, the visualisation and animation of design proposals at various levels of abstraction, and the presentation of work on the World Wide Web for an international audience. The projects will be developed to suit individual student needs.

This subject may be taken in Adelaide using the resources of the School of Architecture, Landscape Architecture and Urban Design. It may also be offered through distance learning using the World Wide Web and email as the medium for communication. In this latter case, students must have access to the necessary computer hardware, software and network facilities.

assessment: projects

9312 Architectural Design with Electronic Media B

6 points semester 1 or 2

Contact hours vary - periods of intensive group contact and periods of less frequent individual tutorials²

assumed knowledge: applicants will be assumed to have experience and skills in using a 3D CAD tool

Students will carry out a significant architectural design project designed to use and develop skills and understanding in the 3D representation of design ideas with computer media, the visualisation and animation of design proposals at various levels of abstraction, and the presentation of work on the World Wide Web for an international audience. The projects will be developed to suit individual student needs.

This subject may be taken in Adelaide using the resources of the School of Architecture, Landscape Architecture and Urban Design. It may also be offered through distance learning using the World Wide Web and email as the medium for communication. In this latter case, students must have access to the necessary computer hardware, software and network facilities.

The projects will be topics not covered in 4852 Architectural Design with Electronic Media A.

assessment: projects

Graduate Certificate in Design Studies

Graduate Certificate in Design Studies (Landscape)

Graduate Diploma in Design Studies

Graduate Diploma in Design Studies (Landscape)

Applications for admission to the course shall be made through the South Australian Tertiary Admissions Centre (SATAC) on the appropriate form by the required date. Successful applicants to the course may not defer their studies to the following year.

The above awards have been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Certificate in Design Studies or the Graduate Certificate in Design Studies (Landscape) must have obtained:

- (a) the Ordinary or Honours degree of Bachelor of Design Studies of the University of Adelaide *or*
- (b) an Ordinary or Honours degree of the University of Adelaide or an equivalent award from another educational institution accepted by the University for that purpose, subject to the approval of the Dean of the School of Architecture, Landscape Architecture and Urban Design.

1.2 An applicant for admission to the course of study for the Graduate Diploma in Design Studies must have obtained:

- (a) the Graduate Certificate in Design Studies of the University of Adelaide or an equivalent award from another educational institution accepted by the University for the purpose *or*
- (b) the Ordinary or Honours degree of Bachelor of Design Studies of the University of Adelaide *or*
- (c) an Ordinary or Honours degree of the University of Adelaide or an equivalent award from another educational institution accepted by the University for that purpose, subject to the approval of the Dean of the School of Architecture,

Landscape Architecture and Urban Design.

1.3 An applicant for admission to the course of study for the Graduate Diploma in Design Studies (Landscape) must have obtained:

- (a) the Graduate Certificate in Design Studies (Landscape) of the University of Adelaide or an equivalent award from another educational institution accepted by the University for the purpose *or*
- (b) the Ordinary or Honours degree of Bachelor of Design Studies of the University of Adelaide *or*
- (c) an Ordinary or Honours degree of the University of Adelaide or an equivalent award from another educational institution accepted by the University for that purpose, subject to the approval of the Dean of the School of Architecture, Landscape Architecture and Urban Design.

1.4 The Faculty may in special cases and subject to such conditions (if any) as the Dean of the School of Architecture, Landscape Architecture and Urban Design may see fit to impose in each case, accept as a candidate for the Graduate Certificate in Design Studies or Graduate Certificate in Design Studies (Landscape), or Graduate Diploma in Design Studies or Graduate Diploma in Design Studies (Landscape), an applicant who does not hold the qualifications specified in 1.1, 1.2 or 1.3 above but who has given evidence satisfactory to the Dean of School of fitness to undertake work for the Graduate Certificate in Design Studies or

Graduate Certificate in Design Studies (Landscape) or Graduate Diploma in Design Studies or Graduate Diploma in Design Studies (Landscape).

2 Status, exemption and credit transfer

- 2.1 A candidate who has passed postgraduate level subjects in the School of Architecture, Landscape Architecture and Urban Design or in other faculties of the University or in other educational institutions may on written application to the School Executive Officer be granted such exemption from Specific Course Rules 5.3 and 5.4 as the School may determine.
- 2.2 Candidates who have previously completed the requirements of the Graduate Certificate in Design Studies shall receive full status towards the Graduate Diploma in Design Studies for studies undertaken in the Graduate Certificate.
- 2.3 Candidates who have previously completed the requirements of the Graduate Certificate in Design Studies (Landscape) shall receive full status towards the Graduate Diploma in Design Studies (Landscape) for studies undertaken in the Graduate Certificate.
- 2.4 No candidate may be granted more than 12 points of status towards the Graduate Diploma in Design Studies or the Graduate Diploma in Design Studies (Landscape).

3 Duration of course

- 3.1 Except with the permission of the School of Architecture, Landscape Architecture and Urban Design, the course for the Graduate Certificate in Design Studies or the Graduate Certificate in Design Studies (Landscape) shall be completed in not less than one semester and not more than one year of full-time study and in not less than one year and not more than two years of part-time study.
- 3.2 Except with the permission of the School of Architecture, Landscape Architecture and Urban Design, the course for the Graduate Diploma in Design Studies or the Graduate Diploma in Design Studies (Landscape) shall be completed in not less than two semesters and not more than three semesters of full-time study and in not less than one year and not more than two years of part-time study.

4 Course of study/Subjects of study

- 4.1 To qualify for the Graduate Certificate in Design Studies a candidate shall pass a combination of the subjects listed in Rule 5.3 to the value of at least 12 points.

4.2 To qualify for the Graduate Certificate in Design Studies (Landscape) a candidate shall pass a combination of the subjects listed in Rule 5.4 to the value of at least 12 points.

4.3 To qualify for the Graduate Diploma in Design Studies a candidate shall pass the following subjects to the value of at least 24 points:

2026 Building Design Studio IV	6
6284 Design and Environments IV	6
9452 Design Communications IV	3
8490 Issues in Urban Sustainability IV	3
1461 Special Topic (Design) IVA*	6
5694 Special Topic (Design) IVB*	6
9805 Technology and the Built Environment IV	3
9554 Twentieth Century Architecture and Landscapes IV	3

4.4 To qualify for the Graduate Diploma in Design Studies (Landscape) a candidate shall pass the following subjects to the value of at least 24 points:

6284 Design and Environments IV	6
9452 Design Communications IV	3
6233 Issues in Landscape Sustainability IV	3
7819 Landscape Design Studio IV	6
7213 Special Topic (Landscape) IVA*	6
6567 Special Topic (Landscape) IVB*	6
9805 Technology and the Built Environment IV	3
9554 Twentieth Century Architecture and Landscapes IV	3

*Students should consult the Dean of the School of Architecture, Landscape Architecture and Urban Design about availability of subjects.

4.5 Subject substitutions will normally be selected from a list available from the School Executive Officer; in unusual cases the Dean of the School of Architecture, Landscape Architecture and Urban Design may approve different studies upon application by a candidate. In considering an application for a subject substitution the Dean of School shall have regard to the candidate's previous academic and practical experience.

5 Review of academic progress

5.1 If in the opinion of the Faculty a candidate for the Graduate Certificate or Graduate Diploma is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate

the candidature and the candidate shall cease to be enrolled for the Graduate Certificate or Graduate Diploma awards.

6 Assessment and examinations

- 6.1** There shall normally be four classifications of pass in the final assessment of any subject for the Graduate Certificate and Graduate Diploma awards, as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass. If the Pass classification is in two divisions a pass in the higher division may be prescribed in the syllabuses as a prerequisite for admission to further studies in that subject or to other subjects. Results in certain subjects as specified in the Specific Course Rules will not be classified.
- 6.2** A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- 6.3** In determining a candidate's final result in a subject (or part of a subject) the examiners may take into account oral, written, practical and examination work, provided that the candidate has been given adequate notice at the commencement of the teaching of the subject of the way in which work will be taken into account and of its relative importance in the final result.
- 6.4** A candidate who fails a subject or who obtains a lower division pass and who desires to take that subject again shall, unless exempted wholly or partially therefrom by the Dean of School, again complete the required work in that subject to the satisfaction of the teaching staff concerned.

7 Articulation with other awards

- 7.1** A candidate who holds a Graduate Certificate in Design Studies of the University of Adelaide shall surrender it before being admitted to the Graduate Diploma in Design Studies.
- 7.2** A candidate who holds a Graduate Certificate in Design Studies (Landscape) of the University of Adelaide shall surrender it before being admitted to the Graduate Diploma in Design Studies (Landscape).

Syllabuses

2026 Building Design Studio IV

6 points semester 2

Up to 6 hours lectures/seminars/studios per week

quota will apply

assumed knowledge: 8490 Issues in Urban Sustainability IV

restriction: 3468 Building Design Studio III

In this subject students will apply their skills in formal composition and knowledge of precedent to the design of small building on a rural site. Emphasis will be placed on the use of materials, the building's structure and construction, its responses to the local environment, and its life-cycle costings.

assessment: assignments and projects

6284 Design and Environments IV

6 points semester 2

Up to 3 hours of tutorials/ seminars/studios per week

quota will apply

The intersection of theory and practice in architecture and landscape architecture, developed in the context of student design projects. The subject will examine the range of theoretical and ideological discourses which influence approaches to 'place-making' in the urban environment.

The projects will offer a context in which students will explore cultural, historical, social and ethnographic issues, while developing a vocabulary of approaches, morphologies and typologies. Students will develop representational skills in various media.

assessment: assignments and projects

9452 Design Communications IV

3 points semester 1

Up to 3 hours lectures and/or 2 hours tutorials per week

quota will apply

The representation and communication of design in writing, drawing and modelling including computer techniques.

assessment: assignments

6233 Issues in Landscape Sustainability IV

3 points semester 1

Up to 4 hours lectures/seminars/studios per week

quota will apply

restriction: 8490 Issues in Urban Sustainability IV

This subject will centre upon 'place-making' in urban environments. It will focus on the diversity of philosophical positions which inform current approaches to urban ecology understood in its widest sense, including not only the 'environmental', but the cultural, social, political, economic, institutional and professional realms.

The project-based learning program will offer a context in which students will develop knowledge and skills required in the creation of landscapes in 'sustainable' urban environments, and will explore opportunities and constraints affecting the development of such environments.

assessment: assignments and projects

8490 Issues in Urban Sustainability IV

3 points semester 1

Up to 4 hours of lectures/ seminars/ studios a week; hours vary from week to week

quota will apply

restriction: 6233 Issues in Landscape Sustainability IV

This subject will centre upon 'place-making' in urban environments. It will focus on the diversity of philosophical positions which inform current approaches to urban ecology understood in its widest sense, including not only the 'environmental', but the cultural, social, political, economics, institutional and professional realms.

The project-based learning program will offer a context in which students will develop knowledge and skills required in the creation of buildings in 'sustainable' urban environments, and explore opportunities and constraints affecting the development of such environments.

assessment: assignments and projects

7819 Landscape Design Studio IV

6 points semester 2

Up to 6 hours of lectures/seminars/studios per week
quota will apply

assumed knowledge: 6233 Issues in Landscape Sustainability IV

restriction: 8650 Landscape Design Studio III

In this subject students will apply their skills in formal composition and knowledge of precedent to the design of a small to medium sized park, allotment or place. Emphasis will be placed on design, use of materials and plants, any installations and their construction, the design's responses to the local environment, and life-cycle costings.

assessment: assignments and projects

1461 Special Topic (Design) IVA

5694 Special Topic (Design) IVB

7213 Special Topic (Landscape) IVA

6567 Special Topic (Landscape) IVB

6 points

Check availability with School of Architecture, Landscape Architecture and Urban Design

Up to 5 hours of lectures/seminars/ studios per week;
field study trips

quota will apply

Details will be provided by the School when specialist teaching is available.

assessment: assignments and projects

9805 Technology and the Built Environment IV

3 points semester 1

Up to 2 hours lectures, 2 hours tutorials per week

restriction: 9805 Science and the Built Environment IV

quota will apply

Taking a project-based approach the subject will examine the application of science to the design and construction of built environments. Key topics will include design in relation to acoustic performance, thermal comfort, building structures and construction materials and techniques.

assessment: assignments and projects

9554 Twentieth Century Architecture and Landscapes IV

3 points semester 1

Up to 2 hours lectures, 2 hours tutorials per week
quota will apply

A detailed exploration of compositional and theoretical aspects of 20th Century architectural and landscape design. This subject introduces students to a vocabulary of articulating spatial qualities in selected examples of 20th Century architectural and landscape design. It seeks to enhance students' appreciation of the possibilities of appropriating published writing and projects to nurture their own outlooks and abilities. Practical work includes exercises in three-dimensional composition and in writing short analytical texts.

assessment: assignments

Graduate Certificate in Urban Design

This course is offered jointly by the University of Adelaide and the University of South Australia.

Applications for admission shall be directly to the South Australian Tertiary Admissions Centre (SATAC) on the appropriate form by the required date. Successful applicants to the course may not defer their studies to the following year.

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Certificate in Urban Design shall have qualified for a degree of the University incorporating major studies in one or more of the following disciplines: planning, design studies, property, landscape architecture, architecture, real estate, environmental engineering or an allied discipline; or for a degree of another institution accepted for the purpose by the University
- 1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the the Dean of the School of Architecture, Landscape Architecture and Urban Design of fitness to undertake work for the Graduate Certificate.

2 Duration of course

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one semester of full-time study or the equivalent of part-time study, provided that the course is completed within three years of initial enrolment.

3 Course requirements

- 3.1 To qualify for the Graduate Certificate, a candidate shall satisfactorily complete subjects to the value of 12 points, including the core subjects 1843 Elements of Urban Design IVA and 9644 Elements of Urban Design IVB plus two other core subjects.

3.1.1 Core subjects

Note not forming part of the Specific Course Rules:
Equivalent subject values are - 3 points at the University of Adelaide = 4.5 points at the University of South Australia; 6 points at the University of Adelaide = 9 points at the University of South Australia

- (a) All candidates shall satisfactorily complete the following subjects offered by the University of Adelaide:
- 1843 Elements of Urban Design IVA 3
9644 Elements of Urban Design IVB 3
- (b) In addition, all candidates shall satisfactorily complete at least two of the following subjects which are offered at either the University of Adelaide or the University of South Australia. Students taking subjects at both the University of Adelaide and University of South Australia must comply with the enrolment procedures of both institutions

semester 1

University of South Australia

Sustainable Urban Design Issues IV 4.5

semester 2

The University of Adelaide

8460 Urban Processes and Policy IV 3

University of South Australia

Urban Management and Law IV 4.5

Urban Development and
Implementation IV 4.5

- 3.2 No candidate will be permitted to count for the Graduate Certificate any subject that, in the opinion of the School of Architecture, Landscape Architecture and Urban Design contains substantially the same material as any

other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

- 4.1 A candidate will not be granted status for any subject which he or she has completed for another award.
- 4.2 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Dean of School or Head of Department concerned, complete again the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in the subjects for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

6 Articulation with other awards

A candidate for the Graduate Diploma in Urban Design who satisfies the requirements for the Graduate Certificate but who does not complete the requirements for the Graduate Diploma may be admitted to the Graduate Certificate

Syllabuses

Note: equivalent subject values are - 3 points at The University of Adelaide = 4.5 points at the University of South Australia; 6 points at The University of Adelaide = 9 points at the University of South Australia.

University of Adelaide subjects

Core subjects

1843 Elements of Urban Design IV A

3 points semester 1

Up to 16 hours of lectures/seminars/ tutorials/studios per week; hours vary from week to week

corequisites: 9644 Elements of Urban Design IVB

restrictions: 8024 Landscape Architecture Studio IC

This subject is concerned with the morphological underpinnings of cities and urban landscapes together with the historical traditions and theories behind urban and landscape design. The subject will typically review these topics using a medium sized landscape design and planning topic, in an urban setting, possessing urban design, cultural and physical issues. The subject will explore the role of design in urban settings, historical and theoretical exemplars and constructs relevant to urban design, and review the morphological patterns and traditions in city landscape design and formation.

The subject will also explore the role and contribution of urban and landscape design in our cultural environments.

A project-based learning program integrating design and the avenues of urban and landscape inquiry and expression (structures, materials, plants, languages, information technologies, etc.) and the practices of urban and landscape design, planning and management within a theoretical and historical context; taking account of human (physiological, social and cultural) and ecological (faunal, floral, soil, water, etc.) factors.

assessment: assignments and projects; these may include written, verbal and graphic (2 and 3 dimensional) communication.

9644 Elements of Urban Design IV B

3 points semester 1

Up to 16 hours of lectures/seminars/ tutorials/studios per week; hours vary from week to week.

corequisites: 1843 Elements of Urban Design IVA

restrictions: 8024 Landscape Architecture Studio IC

This subject is concerned with the morphological underpinnings of cities and urban landscapes together

with the historical traditions and theories behind urban and landscape design. The subject will typically review these topics using a medium sized landscape design and planning topic, in an urban setting, possessing urban design, cultural and physical issues. The subject will explore the role of design in urban settings, historical and theoretical exemplars and constructs relevant to urban design, and review the morphological patterns and traditions in city landscape design and formation.

The subject will also explore the role and contribution of urban and landscape design in our cultural environments.

A project-based learning program integrating design and the avenues of urban and landscape inquiry and expression (structures, materials, plants, languages, information technologies, etc.) and the practices of urban and landscape design, planning and management within a theoretical and historical context; taking account of human (physiological, social and cultural) and ecological (faunal, floral, soil, water, etc.) factors.

The topics in Elements of Urban Design IVB are those not covered in Elements of Urban Design IVA.

assessment: assignments and projects; these may include written, verbal and graphic (2 and 3 dimensional) communication.

8460 Urban Processes and Policy IV

3 points semester 1 or 2

Up to 6 hours of lectures/seminars/ tutorials/studios per week; hours vary from week to week.

This subject is concerned with the nature and recent history of urban development, and with the economics, social and political processes which give rise to spatial patterns and built form. Economic and demographic aspects associated with urban development; the role, influence and design implications of infrastructure provision; the impact of information technology on current and future urban form; economic and equity issues behind sustainable development premises; and the political economy of urban design. The subject will typically review these topics using a series of case studies. (Likely topics include current debates about inequitable cities; the impact of globalisation, new information and transport policy on urban form; changing patterns of retail and commercial activity; compact cities vs. the perils of urban consolidation; etc.)

assessment: assignments

University of South Australia subjects

The following subjects are offered by the University of South Australia as part of the Graduate Certificate programme. Graduate Certificate students enrolled at The University of Adelaide wishing to take any of these subjects (within the limits indicated in the Specific Course Rules) will be granted appropriate credit towards their Adelaide award.

Students taking any of the subjects must comply with the enrolment procedures of the University of South Australia. Details of those procedures are available from that University.

Core subjects

Sustainable Urban Design Issues IV

4.5 points semester 1

Up to 6 hours of lectures/seminars/ tutorials/studios per week; hours vary from week to week.

This subject is concerned with sustainable urban design process and principles. The subject will explore sustainable urban design ideas having regard to, natural and human resources, cultural attitudes to social, economic and environmental issues, public and private transport and access, conflict negotiation and innovative infrastructure considerations (including groundwater and stormwater management, electricity, solar power, etc). The subject will also consider evaluation techniques and the theoretical and practical implications of the design of sustainable communities.

assessment: assignments and projects

Urban Management and Law IV

4.5 points semester 2

Up to 6 hours of lectures/seminars/ tutorials/studios per week; hours vary from week to week.

This subject is concerned with approaches to promoting and regulating urban development and design through plans, policies, laws, regulations and other instruments. It will typically include: changing notions of urban management - comprehensive plans, urban management, strategic planning, better cities, urban governance, public-private city partnerships; the changing roles of federal, state and local governments in urban management and planning; current and proposed legal and administrative arrangements for planning and development assessment in South Australia, including arrangements for addressing projects of major economic, environmental or social significance; responsibility for the public realm; appeal processes and requirements for community involvement. (There will be a broad focus on changing

ideas of planning and urban management, but illustrated by local examples - the rise and fall (?) of strategic planning, SA experience with integrated urban management at local level, the current debates about urban governance and the Adelaide 21 project, etc; plus Development Act changes, experience with urban design 'Panels' and the notion of 'design control', etc.)

assessment: assignments and projects

Urban Development and Implementation IV

4.5 points semester 2

Up to 6 hours of lectures/seminars/ tutorials/studios per week; hours vary from week to week.

This subject will focus on the processes through which urban development occurs and through which urban development and urban design projects are implemented. The subject examines economic approaches to project appraisal, including cost-benefit analysis and discounted cash-flow analysis. There is also a focus on the politics of implementation and the roles and influence of elected governments and community interest groups in shaping and implementing urban development projects. There will be a strong emphasis on case studies of commercial and residential development projects at various scales, including major city centre redevelopment projects, joint ventures and partnerships and the role of the urban designer in implementation. (This is a key subject integrating other core subjects, plus providing a close link to Urban Management and Law IV. There is a strong case study emphasis, in particular international and interstate, with a detailed focus on Adelaide/SA projects: East End Redevelopment, Rosewood, The Parks, Port Adelaide, etc.)

assessment: assignments and projects

Graduate Diploma in Architecture (Electronic Media)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Part of this course may be available in the external mode.

Note: postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

- 1.1** An applicant for admission to the course of study for the Graduate Diploma in Architecture (Electronic Media) shall have qualified for the degree of Bachelor of Architecture of the University or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University; or hold or be eligible to hold the Graduate Certificate in Architecture (Electronic Media) of the University
- 1.2** The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of Rule 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete 24 points of study in one year of full-time study or the equivalent of part-time study provided that the subject 2868 Architectural Design with Electronic Design Media C is completed over a summer semester.

3 Course requirements

- 3.1** To qualify for the Graduate Diploma, a candidate shall satisfactorily complete subjects to the value of 24 points, as follows:
- | | |
|---|----|
| 4852 Architectural Design with Electronic Media A | 6 |
| 9312 Architectural Design with Electronic Media B | 6 |
| 2868 Architectural Design with Electronic Media C | 12 |
- 3.2** A candidate may take only one of 4852 Architectural Design with Electronic Media A or

9312 Architectural Design with Electronic Media B through distance learning

- 3.3** No candidate will be permitted to count for the Graduate Diploma any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

- 4.1** No candidate will be granted status for 9312 Architectural Design with Electronic Media B
- 4.2** No candidate shall be granted status for subjects with a total value of more than 6 points
- 4.3** A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Dean of School of Architecture, Landscape Architecture and Urban Design (or nominee) concerned, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1** There shall be four classifications of pass in the subjects for the Graduate Diploma. Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass
- 5.2** (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination
- 5.3** A candidate who has failed a subject twice may not re-enrol in that subject except by special permission of the Dean of School and then only under such conditions as may be prescribed.

6 Articulation with other awards

- 6.1** A candidate who has been admitted to the Graduate Certificate in Architecture (Electronic Media) and who has been granted status toward the Graduate Diploma for subjects presented for the Graduate Certificate must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

Syllabuses

4852 Architectural Design with Electronic Media A

6 points semester 1 or 2

Contact hours vary - periods of intensive group contact and periods of less frequent individual tutorials

Students will carry out a series of four small scale architectural design projects designed to use and develop skills and understanding in the 3D representation of design ideas with computer media, the visualisation and animation of design proposals at various levels of abstraction, and the presentation of work on the World Wide Web for an international audience. The projects will be developed to suit individual student needs.

This subject may be taken in Adelaide using the resources of the School of Architecture, Landscape Architecture and Urban Design. It may also be offered through distance learning using the World Wide Web and email as the medium for communication. In this latter case, students must have access to the necessary computer hardware, software and network facilities.

assessment: projects

9312 Architectural Design with Electronic Media B

6 points semester 1 or 2

Contact hours vary - periods of intensive group contact and periods of less frequent individual tutorials

assumed knowledge: applicants will be assumed to have experience and skills in using a 3D CAD tool

Students will carry out a significant architectural design project designed to use and develop skills and understanding in the 3D representation of design ideas with computer media, the visualisation and animation of design proposals at various levels of abstraction, and the presentation of work on the World Wide Web for an international audience. The projects will be developed to suit individual student needs.

This subject may be taken in Adelaide using the resources of the School of Architecture, Landscape Architecture and Urban Design. It may also be offered through distance learning using the World Wide Web and email as the medium for communication. In this latter case, students must have access to the necessary computer hardware, software and network facilities.

The projects will be topics not covered in 4852 Architectural Design with Electronic Media A.

assessment: projects

2868 Architectural Design with Electronic Media C

12 points semester 2 or summer semester

Contact hours vary - periods of intensive group contact and periods of less frequent individual tutorials

assumed knowledge: applicants will be assumed to have experience and skills in using a 3D CAD tool

Students will carry out a series of two or three design projects under the guidance of both academic staff and practising architects with a high standing in architectural design. The projects and students will be located in Australia, including a period at the University of Adelaide but also normally including periods in Sydney or elsewhere. The emphasis is on high level design skills, students being assumed to have already developed the technical skills in the use of electronic media. A typical series of projects would be: an Australian house, with practising Architecture tutor, site and students all in Sydney; an Adelaide urban building, based in Adelaide and using the Adelaide 3D computer model; an eco-tourism resort, with students, staff and computing equipment in a remote location.

assessment: projects

Graduate Diploma in Urban Design

This course is offered jointly by the University of Adelaide and the University of South Australia.

Applications for admission shall be directly to the South Australian Tertiary Admissions Centre (SATAC) on the appropriate form by the required date. Successful applicants to the course may not defer their studies to the following year.

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Diploma in Urban Design shall have qualified for:

- (a) a degree of the University incorporating major studies in one or more of the following disciplines: planning, design studies, property, landscape architecture, architecture, real estate, environmental engineering or an allied discipline; or for a degree of another institution accepted for the purpose by the University; *or*
- (b) the Graduate Certificate in Urban Design

1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Dean of the School of Architecture, Landscape Architecture and Urban Design of fitness to undertake work for the Graduate Diploma.

2 Duration of course

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete two semesters of full-time study or the equivalent of part-time study, provided that the course is completed within three years of initial enrolment.

3 Course requirements

3.1 To qualify for the Graduate Diploma, a candidate shall satisfactorily complete subjects to the value of 24 points, including the core subjects 1843 Elements of Urban Design IVA and 9644 Elements of Urban Design IVB, plus at least two other core subjects; and elective

subjects to the equivalent value of at least 6 points, provided that subjects to the value of at least 12 points are taken at the University of Adelaide.

3.1.1 Core subjects

Note not forming part of the Specific Course Rules: Equivalent subject values are - 3 points at the University of Adelaide = 4.5 points at the University of South Australia; 6 points at the University of Adelaide = 9 points at the University of South Australia

(a) All candidates shall satisfactorily complete the following subjects offered by the University of Adelaide:

1843	Elements of Urban Design IVA	3
9644	Elements of Urban Design IVB	3

(b) In addition, all candidates shall satisfactorily complete at least two of the following subjects which are offered at either the University of Adelaide or the University of South Australia. Students taking subjects at both the University of Adelaide and University of South Australia must comply with the enrolment procedures of both institutions

semester 1

University of South Australia

Urban Management and Law IV	4.5
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semester 2

The University of Adelaide

8460	Urban Processes and Policy IV	3
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University of South Australia

Urban Management and Law IV	4.5
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Urban Development and Implementation IV	4.5
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3.1.2 Elective subjects

Note not forming part of the Specific Course Rules: Equivalent subject values are - 3 points at the University of Adelaide = 4.5 points at the University of South Australia; 6 points at the University of Adelaide = 9 points at the University of South Australia

Candidates shall satisfactorily complete at least the equivalent of 6 points of elective subjects from the following subjects which are offered at either the University of Adelaide or the University of South Australia, or from Level IV subjects chosen in consultation with the Course Coordinator. Students taking subjects at both the University of Adelaide and University of South Australia must comply with the enrolment procedures of both institutions.

The University of Adelaide

Choice of elective subjects from the Master of Landscape Architecture course, or subjects offered by the Department of Geographical and Environmental Studies, as follows:

5688 Landscape Architecture Studio IA	6
6763 Landscape Architecture Studio IB	6
1624 Landscape Architecture Studio ID	6
2507 Landscape Architecture Seminar II	3
9330 Introduction to G.I.S. IV	3
1358 Introduction to G.I.S. Projects IV	3

University of South Australia

Choice of elective subjects from the Master of Regional and Urban Planning course as follows:

Contemporary Social Issues

Transport and Planning

Comparative Planning 1

Gender and Planning

- 3.2 No candidate will be permitted to count for the Graduate Diploma any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award.

4 Status, exemption and credit transfer

- 4.1 A candidate will not be granted status for any subject which he or she has completed for another award
- 4.2 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Dean of School or Head of Department concerned, again complete

the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

- 5.1 There shall be four classifications of pass in the subjects for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

- 5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned
- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

6 Articulation with other awards

- 6.1 A candidate who has been admitted to the Graduate Certificate in Urban Design and who has been granted status toward the Graduate Diploma for subjects presented for the Graduate Certificate must surrender the Graduate Certificate before being admitted to the Graduate Diploma.
- 6.2 A candidate for the Graduate Diploma in Urban Design who satisfies the requirements for the Graduate Certificate but who does not complete the requirements for the Graduate Diploma may be admitted to the Graduate Certificate.

Syllabuses

Note: equivalent subject values are: 3 points at The University of Adelaide = 4.5 points at the University of South Australia; 6 points at The University of Adelaide = 9 points at the University of South Australia.

University of Adelaide subjects

core subjects

1843 Elements of Urban Design IV A

3 points semester 1

Up to 16 hours lectures/seminars/ tutorials/studios per week; hours vary from week to week.

corequisites: 9644 Elements of Urban Design IVB

restrictions: 8024 Landscape Architecture Studio IC

This subject is concerned with the morphological underpinnings of cities and urban landscapes together with the historical traditions and theories behind urban and landscape design. The subject will typically review these topics using a medium sized landscape design and planning topic, in an urban setting, possessing urban design, cultural and physical issues. The subject will explore the role of design in urban settings, historical and theoretical exemplars and constructs relevant to urban design, and review the morphological patterns and traditions in city landscape design and formation.

The subject will also explore the role and contribution of urban and landscape design in our cultural environments.

A project-based learning program integrating design and the avenues of urban and landscape inquiry and expression (structures, materials, plants, languages, information technologies, etc.) and the practices of urban and landscape design, planning and management within a theoretical and historical context; taking account of human (physiological, social and cultural) and ecological (faunal, floral, soil, water, etc.) factors.

assessment: assignments and project - may include written, verbal and graphic (2 and 3 dimensional) communication

9644 Elements of Urban Design IV B

3 points semester 1

Up to 16 hours lectures/seminars/ tutorials/studios per week; hours vary from week to week.

corequisites: 1843 Elements of Urban Design IVA

restrictions: 8024 Landscape Architecture Studio IC

This subject is concerned with the morphological underpinnings of cities and urban landscapes together

with the historical traditions and theories behind urban and landscape design. The subject will typically review these topics using a medium sized landscape design and planning topic, in an urban setting, possessing urban design, cultural and physical issues. The subject will explore the role of design in urban settings, historical and theoretical exemplars and constructs relevant to urban design, and review the morphological patterns and traditions in city landscape design and formation.

The subject will also explore the role and contribution of urban and landscape design in our cultural environments.

A project-based learning program integrating design and the avenues of urban and landscape inquiry and expression (structures, materials, plants, languages, information technologies, etc.) and the practices of urban and landscape design, planning and management within a theoretical and historical context; taking account of human (physiological, social and cultural) and ecological (faunal, floral, soil, water, etc.) factors.

The topics in Elements of Urban Design IVB are those not covered in Elements of Urban Design IVA..

assessment: assignments and projects - may include written, verbal and graphic (2 and 3 dimensional) communication.

8460 Urban Processes and Policy IV

3 points semester 1 or 2

Up to 6 hours lectures/seminars/ tutorials/studios per week; hours vary from week to week.

This subject is concerned with the nature and recent history of urban development, and with the economics, social and political processes which give rise to spatial patterns and built form. Economic and demographic aspects associated with urban development; the role, influence and design implications of infrastructure provision; the impact of information technology on current and future urban form; economic and equity issues behind sustainable development premises; and the political economy of urban design. The subject will typically review these topics using a series of case studies. (Likely topics include current debates about inequitable cities; the impact of globalisation, new information and transport policy on urban form; changing patterns of retail and commercial activity; compact cities vs. the perils of urban consolidation; etc.)

assessment: assignments

elective subjects

Choice of elective subjects from the Master of Landscape Architecture course or the Department of Geographical and Environmental Studies, from the list outlined in Specific Course Rule 4.1.3

University of South Australia subjects

The following subjects are offered by the University of South Australia as part of the Graduate Diploma program. Graduate Diploma students enrolled at The University of Adelaide wishing to take any of these subjects (within the limits indicated in the Specific Course Rules) will be granted appropriate credit towards their Adelaide award.

Students taking any of the subjects must comply with the enrolment procedures of the University of South Australia. Details of those procedures are available from that University.

core subjects

Sustainable Urban Design Issues IV

4.5 points semester 1

Up to 6 hours lectures/seminars/ tutorials/studios per week; hours vary from week to week.

This subject is concerned with sustainable urban design process and principles. The subject will explore sustainable urban design ideas having regard to, natural and human resources, cultural attitudes to social, economic and environmental issues, public and private transport and access, conflict negotiation and innovative infrastructure considerations (including groundwater and stormwater management, electricity, solar power, etc). The subject will also consider evaluation techniques and the theoretical and practical implications of the design of sustainable communities.

assessment: assignments and projects

Urban Management and Law IV

4.5 points semester 2

Up to 6 hours lectures/seminars/ tutorials/studios per week; hours vary from week to week.

This subject is concerned with approaches to promoting and regulating urban development and design through plans, policies, laws, regulations and other instruments. This subject will typically include: changing notions of urban management - comprehensive plans, urban management, strategic planning, better cities, urban governance, public-private city partnerships; the changing roles of federal, state and local governments in urban management and

planning; current and proposed legal and administrative arrangements for planning and development assessment in South Australia, including arrangements for addressing projects of major economic, environmental or social significance; responsibility for the public realm; appeal processes and requirements for community involvement. (There will be a broad focus on changing ideas of planning and urban management, but illustrated by local examples - the rise and fall (?) of strategic planning, SA experience with integrated urban management at local level, the current debates about urban governance and the Adelaide 21 project, etc; plus Development Act changes, experience with urban design 'Panels' and the notion of 'design control', etc.)

assessment: assignments and projects

Urban Development and Implementation IV

4.5 points semester 2

Up to 6 hours lectures/seminars/ tutorials/studios per week; hours vary from week to week.

This subject will focus on the processes through which urban development occurs and through which urban development and urban design projects are implemented. The subject examines economic approaches to project appraisal, including cost-benefit analysis and discounted cash-flow analysis. There is also a focus on the politics of implementation and the roles and influence of elected governments and community interest groups in shaping and implementing urban development projects. There will be a strong emphasis on case studies of commercial and residential development projects at various scales, including major city centre redevelopment projects, joint ventures and partnerships and the role of the urban designer in implementation. (This is a key subject integrating other core subjects, plus providing a close link to Urban Management and Law. There will be a strong case study emphasis, in particular international and interstate, with a detailed focus on Adelaide/SA projects - East End Redevelopment, Rosewood, The Parks, Port Adelaide, etc.)

assessment: assignments and projects

elective subjects

Choice of elective subjects from the Master of Regional and Urban Planning, from the list outlined in Specific Course Rule 4.1.3.

Details about the elective subjects to be offered by the University of South Australia, including information on their content, assessment and reading lists, are available in the Calendar of the University of South Australia, Vol. II.

Master of Architecture (Coursework)

Applications for admission to the course shall be made through the South Australian Tertiary Admissions Centre (SATAC) on the appropriate form by the required date. Successful applicants to the course may not defer their studies to the following year.

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course

Specific Course Rules

Aims and objectives

Graduates enrolled in the degree of Bachelor of Architecture (New), the degree of Master of Architecture (Coursework), the degree of Master of Design Studies, the degree of Master of Architecture (by research), the award of Graduate Diploma in Design Studies and the award of Graduate Certificate in Design Studies collectively comprise the Architecture Program.

The postgraduate Master of Architecture (Coursework) [M.Arch.(Coursework)] is intended for graduates wishing to practice or participate in the discipline of architecture. Studio-based, it is project-oriented and concerned with the technical and practical matters of practice within a philosophical and theoretical context of professional ethics, aesthetics and style, performance specification and management, and the many other issues that concern practitioners. Entrants to the degree are graduates who have demonstrated abilities to link critical thought and creative action. Graduates of the degree should have:

- acquired knowledge and skills sufficient for early stages of directed activity in an existing architectural practice
- developed intellectual and creative approaches and adaptability to form a basis for continued learning and development throughout professional life

Educational objectives

The curriculum and teaching of the degree will have both substantive and instrumental objectives. Substantive objectives pertain to knowledge of the nature of architectural practice. Instrumental objectives pertain to skills and techniques relevant to operating as an architect.

Substantive objectives

The profession of architecture

Ethics and the environmental, social and legal responsibilities of the profession of architecture.

Architectural services

The recognition of situations where an architect can contribute, the formulation of appropriate strategies, and appropriate pre-design, design, project management and post construction services.

Processes in developing designs, including the development of a brief, and the outline, assessment, detailed design and costing of proposals in conformity with codes and other requirements. The organisation, management and documentation associated with building construction and the administration of building contracts.

The marketing of architectural services.

The technology of architecture.

Building planning, construction, structure and services as they relate to new buildings and alterations to existing buildings.

The architect in relation to other professions, organisations and the building industry

The relationship of architects to builders, structural and building services engineers, landscape architects, interior designers, urban designers, planners, and others involved in the creation of the built environment.

The relationship of the profession of architecture to statutory authorities and to the building industry.

Instrumental objectives

Designing

The practice of architectural design, emphasising the pervasion of design from planning to detailing and the interrelationship of aesthetic, economic, environmental, legal, societal and individual reactions, and technical factors, and the nature of design as a group activity.

Surveying

Land and building surveying.

Communicating

The communication and documentation of designs as a part of the individual and group design process and for clients, construction, public presentation and statutory authorities.

The preparation of professional reports.

Managing

The management and operation of an architectural practice and the activities of an architectural practice.

1 Admission requirements

1.1 A candidate for admission to the course of study for the Master of Architecture (Coursework) must have obtained or completed the requirements for:

- (a) the Honours degree of Bachelor of Design Studies of the University of Adelaide subject to successful completion of subjects comprising the Architectural Studies major *or*
- (b) the Honours degree of Bachelor of Architecture or Honours degree of Bachelor of Landscape Architecture of the University of Adelaide or an equivalent award from another educational institution accepted by the University for the purpose *or*
- (c) the Ordinary degree of Bachelor of Architecture of the University of Adelaide and at least two years' appropriate professional experience *or*
- (d) the Ordinary degree of Bachelor of Architecture (New) of the University of Adelaide with credit average result or better *or*
- (e) a five year degree in Architecture or Landscape Architecture from another educational institution accepted by the University for the purpose and at least two years' appropriate professional experience *or*
- (f) the Graduate Diploma in Design Studies of the University of Adelaide with credit average result or better, or an equivalent award from another educational institution accepted by the University for the purpose.

1.2 Subject to the approval of Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a

person who does not hold the qualifications specified in 1.1 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Status, exemption and credit transfer

2.1 A candidate who has passed postgraduate level subjects in the School of Architecture, Landscape Architecture and Urban Design or in other faculties/schools of the University or in other educational institutions, may on written application to the Dean of School be granted such exemption from these Specific Course Rules as the School may determine.

2.2 No student may be granted more than 36 points of status towards the Master's degree. Status will not be granted for the subject 3489 Architecture Masters Dissertation.

3 Duration of course

3.1 The course of study for the degree shall extend over five semesters of full-time study or the equivalent. Students shall pass subjects to the value of at least 60 points. The point values of the subjects are contained in Specific Course Rule 5.1.

4 Course of study/Subjects of study

4.1 To qualify for the degree of Master of Architecture (Coursework) a candidate shall pass the following subjects to the value of at least 60 points:

8004 Architecture Studio IA	6
9858 Architecture Studio IB	6
1044 Architecture Studio IC	6
1693 Architecture Studio ID	6
6951 Architecture Studio II	8
8794 Architecture Practice II	4
6264 Architecture Masters Project	12
3489 Architecture Masters Dissertation	12

5 Review of academic progress

5.1 If in the opinion of the Faculty a candidate for the Master of Architecture (Coursework) is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature and the candidate shall cease to be enrolled for the Masters degrees.

6 Assessment and examinations

- 6.1** There shall normally be four classifications of pass in the final assessment of any subject for the Masters (Coursework) degree, as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass. If the Pass classification be in two divisions a pass in the higher division may be prescribed in the syllabuses as a prerequisite for admission to further studies in that subject or to other subjects. Results in certain subjects as specified in the relevant Specific Course Rules will not be classified.
- 6.2** A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.
- 6.3** In determining a candidate's final result in a subject (or part of a subject) the examiners may take into account oral, written, practical and examination work, provided that the candidate has been given adequate notice at the commencement of the teaching of the subject of the way in which work will be taken into account and of its relative importance in the final result.
- 6.4** A candidate who fails a subject or who obtains a lower division pass and who desires to take that subject again shall, unless exempted wholly or partially therefrom by the Dean of the School of Architecture, Landscape Architecture and Urban Design, again complete the required work in that subject to the satisfaction of the teaching staff concerned.
- 6.5** The Dean of School shall appoint at least two examiners of the Dissertation, at least one of whom shall be external to the School of Architecture, Landscape Architecture and Urban Design .

7 Articulation with other awards

- 7.1** Notwithstanding the above Rules a candidate who has been enrolled for the Master of Architecture (Coursework) and who has completed the work prescribed herein for the Ordinary or Honours degree of Bachelor of Architecture of the University of Adelaide and who has not been awarded the Master's degree shall, on written application to the Dean of the School of Architecture, Landscape Architecture and Urban Design, be awarded the appropriate degree of Bachelor of Architecture.

Syllabuses

Level I

Note: During the first year of the course there may be a field trip of approximately 1 week to visit projects relevant to the following Architecture Studio subjects.

8004 Architecture Studio IA

6 points semester 1

Up to 18 hours lectures/tutorials/ workshops; hours vary from week to week

This subject aims to develop design skills in an holistic sense bringing together regulatory, technical, human (including social and cultural) and environmental factors. The material will be developed through integrated projects. The studio projects will be topics not treated in other Level I subjects. Lectures given in the subject will complement the design process addressing the topics outlined in other Level I subjects.

assessment: written, verbal, and graphical (2 and 3 dimensional) communication of two equally weighted components*; to pass the subject a mark of at least 50% must be obtained for each component.

9858 Architecture Studio IB

6 points semester 1

Up to 18 hours lectures/tutorials/ workshops; hours vary from week to week

A project-based learning program integrating design and the technology and practices of construction, structures, materials and building services, within a theoretical and historical context; taking account of human (physiological, social and cultural) and ecological factors.

Architecture Studio IB will typically be focused on the design of a dwelling (or small group of dwellings) on a real site, with a particular owner-occupier as client. Students will be required to develop a brief from the client's instructions. Theory and practice regarding a range of aspects of low-rise domestic construction (including site preparation, footings, light timber framing and masonry construction) will be applied.

Students will be expected to explore a design 'parti' and its sources and precedents, to explain design intentions and communicate the architectural intentions of the building design, and to demonstrate that they understand its potential construction and performance.

There will be an emphasis on the lighting and thermal performance of the building and associated energy use, in the context of the client's requirements.

Lectures given in the subject will complement the design process, addressing the topics outlined above.

assessment: written, verbal, and graphical (2 and 3 dimensional) communication of two equally weighted components*; to pass the subject a mark of at least 50% must be obtained for each component.

1044 Architecture Studio IC

6 points semester 1

Up to 18 hours lectures/tutorials/ workshops; hours vary from week to week

A project-based learning program integrating design and the technology and practices of construction, structures, materials and building services, within a theoretical and historical context; taking account of human (physiological, social and cultural) and ecological factors.

Architecture Studio IC will typically be focused on the design of a building alteration and refurbishment, requiring facilities planning, the survey and measuring of an existing building, and the preparation of measured drawings and dilapidation reports. It will also address issues arising in building conservation and the insertion of new buildings into heritage areas. There will be emphasis on structural assessment, materials characteristics and selection, plumbing and electrical services, and lighting.

Lectures given in the subject will complement the design process, addressing the topics outlined above.

assessment: written, verbal, and graphical (2 and 3 dimensional) communication of two equally weighted components*; to pass the subject a mark of at least 50% must be obtained for each component.

1693 Architecture Studio ID

6 points semester 2

Up to 18 hours lectures/tutorials/ workshops; hours vary from week to week

A project-based learning program integrating design and the technology and practices of construction, structures, materials and building services, within a theoretical and historical context; taking account of human (physiological, social and cultural) and ecological factors.

Architecture Studio ID will typically be focused on the design of a school, child-care centre, nursing home or similar low-rise building where the needs of a particular group of building users must be understood and addressed. The problem will involve site planning

and landscape design issues. Theory regarding the design, construction and structure of low-rise concrete (precast and/or in situ) buildings will be studied and applied. There will be emphasis on the acoustic performance of the building and on site infrastructure. Students will be required to undertake and document a survey of the site, and develop a brief from the client's instructions, and other contextual information.

Lectures given in the subject will complement the design process, addressing the topics outlined above.

assessment: written, verbal, and graphical (2 and 3 dimensional) communication of two equally weighted components*; to pass the subject a mark of at least 50% must be obtained for each component.

*components: Component A will include the realisation and communication of architectural ideas in three dimensions in relation to a design situation. Component B will include the technical description and justification of architectural design

Level II

6951 Architecture Studio II

8 points semester 1

Up to 18 hours lectures/tutorials/ workshops; hours vary from week to week

prerequisite: at least three of the following: 8004 Architecture Studio IA, 9858 Architecture Studio IB, 1044 Architecture Studio IC, 1693 Architecture Studio ID

A project-based learning program in which students will develop their abilities to define the problem, bringing together the regulatory, technical, human (including social and cultural) and environmental factors studied in Level I Architecture Studios, and other facets of the theory and practice of design in architecture.

Architecture Studio II will typically be focused on the design of a mixed-use commercial multi-storey building located in a central business district and raising significant urban design issues. The project will be taken from early (facilities planning) to late (documentation) stages and beyond to post-occupancy evaluation, and will mirror in an educational setting many of the processes carried out in an architectural office. Other, minor, projects will typically involve the schematic design of a sports hall, warehouse, or similar large-span building and a suburban or rural site. Topics which will be emphasised include urban design; design in relation to fire safety and regulations; mechanical services (including heating, ventilation and air conditioning) electrical services; water supply and drainage; excavation and footings; materials and finishes; repetition of building material and industrialised components; joinery construction.

Lectures given in the subject will complement the design process addressing the topics outlined above.

assessment: projects

8794 Architecture Practice II

4 points semester 1

Up to 6 hours of lectures a week

Topics include organisational theory; principles of law; the general organisation of architectural practice including the management of an office's human, physical and financial resources, the relationship between architects and their clients; consultants and contractors; contract administration; specifications; the legal qualifications of an architect; professional organisations; ethics; risk management and professional liability; planning and building law and regulations; problems facing the architect today; estimating and cost control; bills of quantities; the role of the quantity surveyor; project management; the range of services offered by architects. A number of visits to architectural offices will be organised.

A student is expected to be in possession of a current copy of the Building Code of Australia and its associated commentary, as a requirement of this subject.

assessment: assignments

6264 Architecture Masters Project II

12 points semester 2

Up to 20 hours a week studio work, with specialist lectures irregularly spaced

prerequisites: 8004 Architecture Studio IA, 9858 Architecture Studio IB, 1044 Architecture Studio IC, 1693 Architecture Studio ID and 6951 Architecture Studio II

The project will be of moderate to high complexity, drawn from a limited selection. Responses should demonstrate all phases of architectural designing; sketch plans, technical development including one specialised topic, and a final presentation which should show a thorough integration of all major aspects of the course.

assessment: final project

3489 Architecture Masters Dissertation III

12 points semester 1 or 2 or summer semester

2 hour tutorial/seminar weekly.

prerequisites: 6264 Architecture Masters Project II

restriction: enrolment subject to application to the Dean of the School of Architecture, Landscape Architecture and Urban Design and contingent upon prior results.

assumed knowledge: Design at postgraduate degree level.

This subject comprises an individual design, planning and/or research project which permits the exposition of the major aspects of the course and a student's particular interests. Students will be required to undertake supervised research and/or design exploration into a particular topic, leading to the presentation of a seminar paper and/or exhibition, and submission of a final essay or report of between 6000 to 12000 words and containing facsimile copies of all associated project work.

The project will be of a high complexity, and often drawn from a limited selection and address a specific topic in architecture. Responses should demonstrate an advanced level of knowledge and ability in one or more aspects of architectural thought and practice, including evidence of the student's ability to collect and evaluate information, construct, test and defend arguments or hypotheses, and critically examine theories in the area of inquiry. The final presentation or exhibition of the project should display a thorough integration of all major aspects of the Program and its Mission Statement and Program Objectives.

assessment: seminar paper and/or exhibition, and final essay or report articulating and supporting the project

Master of Architecture (Electronic Media)

Applications for admission shall be directly to the School of Architecture, Landscape Architecture and Urban Design by the required date. Successful applicants to the course may not defer their studies to the following year.

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters..

Note: Postgraduate tuition fees apply to this course

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Master of Architecture (Electronic Media) shall have qualified for

- (a) an Honours degree of Bachelor of Architecture of the University; or for an Honours degree of another institution accepted for the purpose by the University; or
- (b) an Ordinary degree of Bachelor of Architecture of the University, and have at least two years' appropriate professional experience; or for a degree of another institution accepted for the purpose by the University and have at least two years' appropriate professional experience; or
- (c) the Graduate Diploma in Architecture (Electronic Media).

1.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 1.1 above, but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Duration of course

To qualify for the Master's degree, a candidate shall satisfactorily complete three semesters of full-time study or the equivalent of part-time study..

3 Course requirements

3.1 To qualify for the degree, a candidate shall satisfactorily complete subjects to the value of 36 points, as follows:

4852 Architectural Design with Electronic Media A	6
9312 Architectural Design with Electronic Media B	6

2868 Architectural Design with Electronic Media C	12
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1903 Architectural Design with Electronic Media Masters Project	12
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3.2 A candidate may take only one of 4852 Architectural Design with Electronic Media A or 9312 Architectural Design with Electronic Media B through distance learning.

3.3 No candidate will be permitted to count for the Masters degree any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award

4 Status, exemption and credit transfer

4.1 No candidate will be granted status for 9312 Architectural Design with Electronic Media B, except candidates who have qualified for the Graduate Diploma in Architecture (Electronic Media).

4.2 No candidate shall be granted status for subjects with a total value of more than 6 points, except candidates who have qualified for the Graduate Diploma in Architecture (Electronic Media).

4.3 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

5.1 There shall be four classifications of pass in the subjects for the Master's degree. Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

- (b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

6 Articulation with other awards

- 6.1** A candidate who has been admitted to the Graduate Diploma in Architecture (Electronic Media) and who has been granted status toward the Master's degree for subjects presented for the Graduate Diploma must surrender the Graduate Diploma before being admitted to the Master's degree.
- 6.2** A candidate for the Master of Architecture (Electronic Media) who satisfies the requirements for the Graduate Diploma but who does not complete the requirements for the Master's degree may be admitted to the Graduate Diploma.

Syllabuses

4852 Architectural Design with Electronic Media A

6 points semester 1 or 2

Contact hours vary - periods of intensive group contact and periods of less frequent individual tutorials

Students will carry out a series of four small scale architectural design projects designed to use and develop skills and understanding in the 3D representation of design ideas with computer media, the visualisation and animation of design proposals at various levels of abstraction, and the presentation of work on the World Wide Web for an international audience. The projects will be developed to suit individual student needs.

This subject may be taken in Adelaide using the resources of the School of Architecture, Landscape Architecture and Urban Design. It may also be offered through distance learning using the World Wide Web and email as the medium for communication. In this latter case, students must have access to the necessary computer hardware, software and network facilities.

assessment: projects

9312 Architectural Design with Electronic Media B

6 points semester 1 or 2

Contact hours vary - periods of intensive group contact and periods of less frequent individual tutorials

assumed knowledge: applicants will be assumed to have experience and skills in using a 3D CAD tool

Students will carry out a significant architectural design project designed to use and develop skills and understanding in the 3D representation of design ideas with computer media, the visualisation and animation of design proposals at various levels of abstraction, and the presentation of work on the World Wide Web for an international audience. The projects will be developed to suit individual student needs.

This subject may be taken in Adelaide using the resources of the School of Architecture, Landscape Architecture and Urban Design. It may also be offered through distance learning using the World Wide Web and email as the medium for communication. In this latter case, students must have access to the necessary computer hardware, software and network facilities.

The projects will be topics not covered in 4852 Architectural Design with Electronic Media A.

assessment: projects

2868 Architectural Design with Electronic Media C

12 points semester 2 or summer semester

Contact hours vary - periods of intensive group contact and periods of less frequent individual tutorials

assumed knowledge: applicants will be assumed to have experience and skills in using a 3D CAD tool

Students will carry out a series of two or three design projects under the guidance of both academic staff and practising architects with a high standing in architectural design. The projects and students will be located in Australia, including a period at the University of Adelaide but also normally including periods in Sydney or elsewhere. The emphasis is on high level design skills, students being assumed to have already developed the technical skills in the use of electronic media. A typical series of projects would be: an Australian house, with practising Architecture tutor, site and students all in Sydney; an Adelaide urban building, based in Adelaide and using the Adelaide 3D computer model; an eco-tourism resort, with students, staff and computing equipment in a remote location.

assessment: projects

masters's subject

1903 Architectural Design in Electronic Media Masters Project

12 points semester 1 or 2 or summer semester

Contact hours vary

prerequisites: all required subjects in the Graduate Diploma in Architecture (Electronic Media)

This subject comprises an individual or group culminating design, planning and/or research project that principally addresses the topic of architectural design in electronic media and which permits the exposition of the major aspects of the course and a student's particular interests. The project will be of moderate complexity, and often drawn from a limited selection or from an identified region. Students will demonstrate an understanding of contemporary design theory and professional contexts as well as practical skills.

assessment: assignments 100%

Master of Landscape Architecture

Applications for admission to the course shall be made through the South Australian Tertiary Admissions Centre (SATAC) on the appropriate form by the required date. Successful applicants to the course may not defer their studies to the following year

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course

Specific Course Rules

Aims and objectives

The degree of Bachelor of Landscape Architecture, the degree of Master of Landscape Architecture, the degree of Master of Design Studies (Landscape), the award of Graduate Diploma in Design Studies (Landscape) and the award of Graduate Certificate in Design Studies (Landscape) collectively comprise the Landscape Architecture Program.

The postgraduate Master of Landscape Architecture (M.L.Arch.) is intended for graduates wishing to practise or participate in the discipline of landscape architecture. Studio-based, it is project-oriented and concerned with the technical and practical matters of landscape architecture research and practice within a philosophical and theoretical context of professional ethics, aesthetics and style, performance specification and management, and the many other issues that concern practitioners. Entrants to the degree are graduates who have demonstrated abilities to link critical thought and creative action.

The Mission of the Landscape Architecture Program is to be at the forefront of Australian landscape architecture practice that successfully integrates nature and culture together as key constructs for designs and strategies that are innovative, sustainable and culturally attuned.

Program Objectives to achieve this Mission are to:

- establish an incremental suite of projects and studio foci that reinforce the Mission
- interlink with and co-operatively involve the participation of the profession and allied disciplines to advance landscape architecture knowledge
- foster reflection-in-action and lifelong learning strategies
- establish a community profile for the discipline through projects, research, exhibitions, conferences, publications, and community participation

- establish a strong and co-operative educational profile with allied disciplines within the University of Adelaide environment.

Graduates of the Master of Landscape Architecture degree should have:

- acquired knowledge and skills sufficient for early stages of directed activity in an existing landscape architectural practice
- developed intellectual and creative approaches and adaptability to form a basis for continued learning and development throughout professional life.

Educational objectives

The curriculum and teaching of the Master of Landscape Architecture degree will have both substantive and instrumental objectives. Substantive objectives pertain to knowledge of the nature of landscape architectural practice. Instrumental objectives pertain to skills and techniques relevant to operating as a landscape architect.

Substantive objectives

An introduction to the profession of landscape architecture

The appreciation of ethics and the environmental, social and legal responsibilities of the profession of landscape architecture.

Landscape architectural services

The recognition of situations where a landscape architect can contribute, the formulation of appropriate strategies, and appropriate pre-design, design, project management and post construction services.

Processes in developing designs, including the development of a brief, and the outline, assessment, detailed design and costing of proposals in conformity with codes and other requirements.

The organisation, management and documentation associated with construction and the administration of contracts.

The marketing of landscape architectural services.

The technology of landscape architecture.

Site planning, construction, vegetation and habitat provision, water systems and hydrology, structures and services as they relate to new buildings, alterations, and site planning and design interventions.

The landscape architect in relation to other professions, organisations and the building industry

The relationship of landscape architects to builders, structural and building services engineers, architects, interior designers, urban designers, planners, and others included in the creation of the built environment and human-dominated and shaped landscapes.

The relationship of the profession of landscape architecture to statutory authorities and to the design industry.

Instrumental objectives

Designing

The practice of landscape architectural design, emphasising the pervasion of design from planning to detailing and the interrelationship of aesthetic, economic, environmental, legal, societal and individual reactions, and technical factors, and the nature of design as a group activity.

Site Planning

The practice of comprehending and taking advantage of variables relevant to site planning including flora, fauna, soils, water systems, energy systems, building materials, human activities and desires, heritage conservation and the poetics of space, site and structure assembly and arrangement, etc.

Communication

The communication and documentation of designs as a part of the individual and group processes and for clients, construction, public presentation and statutory authorities.

The preparation of professional reports.

Managing

The management and operation of a landscape architectural practice and the activities of a landscape architectural practice.

1 Admission requirements

1.1 A candidate for admission to the course of study for the Master of Landscape Architecture must have obtained or completed the requirements for:

- (a) the Honours degree of Bachelor of Design Studies of the University of Adelaide subject to successful completion of subjects comprising the Landscape Studies major *or*
- (b) the Honours degree of Bachelor of Architecture or Honours degree of Bachelor of Landscape Architecture of the University of Adelaide or an equivalent award from another educational institution accepted by the University for the purpose *or*
- (c) the Ordinary degree of Bachelor of Architecture of the University of Adelaide and at least two years' appropriate professional experience *or*
- (d) the Ordinary degree of Bachelor of Landscape Architecture of the University of Adelaide with credit average result or better *or*
- (e) a five year degree in Architecture of Landscape Architecture from another educational institution accepted by the University for the purpose *or*
- (f) the Graduate Diploma in Design Studies (Landscape) of the University of Adelaide with credit average result or better, or an equivalent award from another educational institution accepted by the University for the purpose.

1.2 Subject to the approval of Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not hold the qualifications specified in 1.1 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Status, exemption and credit transfer

2.1 A candidate who has passed postgraduate level subjects in the School of Architecture, Landscape Architecture and Urban Design or in other faculties/schools of the University or in other educational institutions, may on written application to the Dean of School be granted

such exemption from these Specific Course Rules as the School may determine.

- 2.2** No student may be granted more than 48 points of status towards the Master's degree. Status will not be granted for the subject 2200 Landscape Architecture Masters Dissertation.

3 Duration of course

- 3.1** The course of study for the degree shall extend over five semesters of full-time study or the equivalent. Students shall pass subjects to the value of at least 60 points. The point values of the subjects are contained in Specific Course Rule 5.1.

4 Course of study/Subjects of study

- 4.1** To qualify for the degree of Master of Landscape Architecture a candidate shall pass the following subjects to the value of at least 60 points:

5688	Landscape Architecture Studio IA	6
6763	Landscape Architecture Studio IB	6
8024	Landscape Architecture Studio IC	6
1624	Landscape Architecture Studio ID	6
9261	Landscape Architecture Studio II	6
2507	Landscape Architecture Seminar II	3
6817	Landscape Architecture Practice II	3
3497	Landscape Architecture Masters Project	12
2200	Landscape Architecture Masters Dissertation	12

5 Review of academic progress

- 5.1** If in the opinion of the Faculty a candidate for the Master of Landscape Architecture is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature and the candidate shall cease to be enrolled for the Masters degrees.

6 Assessment and examinations

- 6.1** There shall normally be four classifications of pass in the final assessment of any subject for the Masters degree, as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass. If the Pass classification be in two divisions a pass in the higher division may be prescribed in the syllabuses as a prerequisite for admission to further studies in that subject or to other subjects. Results in certain subjects as specified in the relevant Specific Course Rules will not be classified.

- 6.2** A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

- 6.3** In determining a candidate's final result in a subject (or part of a subject) the examiners may take into account oral, written, practical and examination work, provided that the candidate has been given adequate notice at the commencement of the teaching of the subject of the way in which work will be taken into account and of its relative importance in the final result.

- 6.4** A candidate who fails a subject or who obtains a lower division pass and who desires to take that subject again shall, unless exempted wholly or partially therefrom by the Dean of the School of Architecture, Landscape Architecture and Urban Design complete again the required work in that subject to the satisfaction of the teaching staff concerned.

- 6.5** The Dean of School shall appoint at least two examiners of the Dissertation, at least one of whom shall be external to the School of Architecture, Landscape Architecture and Urban Design.

7 Articulation with other awards

- 7.1** Students who have conferred upon them the Ordinary or Honours degree of Bachelor of Landscape Architecture of the University of Adelaide who subsequently successfully complete the requirements of the Master of Landscape Architecture must surrender the Bachelor's degree before being admitted to the Master's degree. A candidate may obtain either the Master's degree or the Bachelor's degree but not both.

- 7.2** Notwithstanding the above Rules a candidate who has been enrolled for the Master's degree of Landscape Architecture and who has completed the work prescribed herein for the Ordinary or Honours degree of Bachelor of Landscape Architecture of the University of Adelaide and who has not been awarded the Master's degree shall, on written application to the Dean of School of Architecture, Landscape Architecture and Urban Design, be awarded the appropriate degree of Bachelor of Landscape Architecture.

Syllabuses

Note: Students in Design Studios will be expected to explore a design 'parti' or approach and its sources and precedents, to explain design and planning intentions and to communicate the design and/or plan. Scope of classes will cover design theory, social, cultural and natural resource analysis, data collection and synthesis, conceptual and site planning and design, design development, and methods of inquiry to varying degrees depending on the area and topic of study. Lectures and workshops in the subject will complement the design, planning and investigation processes, addressing the topics outlined above. In groups and/or individually students will typically work on project topics which benefit the community and/or heighten the profile of landscape architecture and public awareness of critical landscape issues.

5688 Landscape Architecture Studio IA

6 points semester 1

assumed knowledge: Design at the undergraduate level

16-18 hours average lectures/tutorials/workshops/field trips; hours vary from week to week

This subject will typically address a small to medium sized landscape design and planning topic in a rural setting possessing high aesthetic and ecological qualities and experiencing human development pressures. The subject will explore the role and opportunities for landscape design and planning interventions and strategies in a precinct or region of high scenic and biological values and human pressures caused either by mining, recreation, transportation, commercial, tourist and or pastoral/agricultural activities.

A project-based learning program integrating design and the avenues of landscape inquiry and expression (structures, materials, plants, languages, information technologies, etc.) and the practices of landscape design, planning and management within a theoretical and historical context; taking account of human (physiological, social and cultural) and ecological (faunal, floral, soil, water, etc.) factors.

assessment: assignments and projects - may include written, verbal, and graphic (2 and 3 dimensional) communication

6763 Landscape Architecture Studio IB

6 points semester 1

16-18 hours average lectures/tutorials/workshops/field trips; hours vary from week to week

assumed knowledge: Design at the undergraduate level

This subject will typically address a medium to large sized landscape design and planning topic in a rural-urban fringe setting possessing high aesthetic and ecological qualities and experiencing human

development pressures. The subject will explore the role and opportunity for landscape design in devising strategic frameworks that conserve landscape qualities and ensure a sensitive stewardship of its resources while accommodating appropriate levels of human occupancy, resources harvesting and developments.

A project-based learning program integrating design and the avenues of landscape inquiry and expression (structures, materials, plants, languages, information technologies, etc.) and the practices of landscape design, planning and management within a theoretical and historical context; taking account of human (physiological, social and cultural) and ecological (faunal, floral, soil, water, etc.) factors.

assessment: assignments and projects - may include written, verbal, and graphic (2 and 3 dimensional) communication, as outlined in the subject guide which will be available early in the subject/project.

8024 Landscape Architecture Studio IC

6 points semester 2

16-18 hours average lectures/tutorials/workshops/field trips; hours vary from week to week

assumed knowledge: Design at the undergraduate level

This subject will typically address a small to medium sized landscape design and planning topic in an urban setting possessing strong cultural traditions and patterns. The subject will explore the role and contribution of landscape design in our cultural environments, and the nexus between culture and nature in an urban context.

A project-based learning program integrating design and the avenues of landscape inquiry and expression (structures, materials, plants, languages, information technologies, etc.) and the practices of landscape design, planning and management within a theoretical and historical context; taking account of human (physiological, social and cultural) and ecological (faunal, floral, soil, water, etc.) factors.

assessment: assignments and projects - may include written, verbal, and graphic (2 and 3 dimensional) communication, as outlined in the subject guide which will be available early in the subject/project.

1624 Landscape Architecture Studio ID

6 points semester 2

16-18 hours average lectures/tutorials/workshops/field trips; hours vary from week to week

assumed knowledge: Design at the undergraduate level

This subject will typically address a medium to large sized landscape design and planning topic in a rural setting possessing particular cultural constraints, relationships and nuances to landscapes. The subject will explore the relationship of culture, and cultures, to landscapes; the manner in which a culture and cultural group has established and continues to influence a set of physiological relationships and physical patterns in the environment and landscape within which it resides.

A project-based learning program integrating design and the avenues of landscape inquiry and expression (structures, materials, plants, languages, information technologies, etc.) and the practices of landscape design, planning and management within a theoretical and historical context; taking account of human (physiological, social and cultural) and ecological (faunal, floral, soil, water, etc.) factors.

assessment: assignments and projects - may include written, verbal, and graphic (2 and 3 dimensional) communication, as outlined in the subject guide which will be available early in the subject/project.

9261 Landscape Architecture Studio II

3 points semester 1

16-18 hours average lectures/tutorials/workshops/field trips; hours vary from week to week

prerequisites: at least three of the following: 5688 Landscape Architecture Studio IA, 6763 Landscape Architecture Studio IB, 8024 Landscape Architecture Studio IC or 1624 Landscape Architecture Studio ID.

assumed knowledge: Design at the undergraduate level

This subject will typically address a medium to large sized landscape design and planning topic in a rural and or urban setting that will be dependent upon the use and application of information technologies and geographic information systems. The subject will explore the position of both nature and culture using creative information technology.

A project-based learning program integrating design and the avenues of landscape inquiry and expression (structures, materials, plants, languages, information technologies, etc.) and the practices of landscape design, planning and management within a theoretical and historical context; taking account of human (physiological, social and cultural) and ecological (faunal, floral, soil, water, etc.) factors.

assessment: assignments and projects - may include written, verbal, and graphic (2 and 3 dimensional) communication, as outlined in the subject guide which will be available early in the subject/project.

2507 Landscape Architecture Seminar II

3 points semester 1

2-3 hours average of lectures/tutorials/workshops/field trips; hours vary from week to week

assumed knowledge: Design at the undergraduate level

This subject will address contemporary issues of landscape architecture design, planning and practice. The subject will explore the role of landscape architecture in the design and planning disciplines and traditions; review and critique contemporary dialogues, designs, theories and philosophies in landscape architecture; and, consider and debate potential future directions, contributions and technologies for the landscape architecture profession.

assessment: projects and seminar papers

6817 Landscape Architecture Practice II

3 points semester 1

assumed knowledge: Design at the undergraduate level
2-3 hours average lectures/tutorials/workshops/field trips; hours vary from week to week

This subject will address the frameworks for and ethical structures of landscape architecture professional practice. The subject will explore professional practice ethics and traditions; organisational and management practices including topics of professional liability, law, indemnity, professional registration, contract administration, project management, relationships with allied professionals and clients, and contemporary professional and practice expectations in Australia, and overseas if appropriate.

assessment: work diaries, seminar papers, projects, exams

3497 Landscape Architecture Masters Project

12 points semester 2

16-18 hours average lectures/tutorials/workshops/field trips; hours vary from week to week

prerequisites: 5688 Landscape Architecture Studio IA, 6763 Landscape Architecture Studio IB, 8024 Landscape Architecture Studio IC, 1624 Landscape Architecture Studio ID, and 9261 Landscape Architecture Studio II

assumed knowledge: Design at the undergraduate level

This subject entails an exploration of an aspect or theme in landscape architecture through design and/or planning studies. The content may embrace aspects of nature and/or culture in urban and/or rural settings but

is specifically intended to focus attention upon the theory and practical exploration of landscape design.

The project will be of moderate to high complexity, and often drawn from a limited selection. Tuition will entail both individual and group seminar and studio classes resulting in an individual exposition. Responses should demonstrate an advanced level of knowledge and ability in one or more aspects of landscape architecture thought and practice, including evidence of the student's ability to collect and evaluate information, construct, test and defend arguments or hypotheses, and critically examine landscape design. The final presentation or exhibition of the project should display a thorough integration of all major aspects of the Program and its Mission Statement and Program Objectives.

assessment: final project

2200 Landscape Architecture Masters Dissertation

12 points semester 1, 2 or summer semester

2 hour tutorial/seminar per week

prerequisites: 3497 Landscape Architecture Masters Project

restriction: enrolment subject to application to the Dean of School of Architecture, Landscape Architecture and Urban Design and contingent upon prior results.

assumed knowledge: Design at the undergraduate level

This subject comprises an individual design, planning and/or research project that principally addresses either nature and/or culture in urban and/or rural settings and which permits the exposition of the major aspects of the course and a student's particular interests. Students will be required to undertake supervised research and/or design exploration into a particular topic, leading to the presentation of a seminar paper and/or exhibition, and submission of a final essay or report of between 6000 to 12000 words and containing copies of all associated project work.

The project will be of a high complexity, and often drawn from a limited selection or from an identified region or address a specific topic in landscape architecture. Responses should demonstrate an advanced level of knowledge and ability in one or more aspects of landscape architecture thought and practice, including evidence of the student's ability to collect and evaluate information, construct, test and defend arguments or hypotheses, and critically examine theories in the area of inquiry. The final presentation or exhibition of the project should display a thorough integration of all major aspects of the

Program and its Mission Statement and Program Objectives.

assessment: internal and external: seminar paper and/or exhibition; final essay or report articulating and supporting the project

Master of Urban Design (Coursework)

This course is offered jointly by The University of Adelaide and the University of South Australia.

Applications for admission shall be directly to the South Australian Tertiary Admissions Centre (SATAC) on the appropriate form by the required date. Successful applicants to the course may not defer their studies to the following year.

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate tuition fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Master of Urban Design (Coursework) shall have qualified for:

- a) an Honours degree of the University incorporating major studies in one or more of the following disciplines: planning, design studies, property, landscape architecture, architecture, real estate, environmental engineering or an allied discipline; or for a degree of another institution accepted for the purpose by the University *or*
 - (b) the Graduate Diploma in Urban Design
- 1.2 The Faculty may, subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not satisfy the requirements of Rule 1.1 above, but who has presented evidence satisfactory to the Dean of the School of Architecture, Landscape Architecture and Urban Design of fitness to undertake work for the degree.

2 Duration of course

To qualify for the Master's degree, a candidate shall satisfactorily complete three semesters of full-time study or the equivalent of part-time study, provided that the course is completed within three years of initial enrolment.

3 Course requirements

3.1 To qualify for the degree, a candidate shall satisfactorily complete subjects to the value of 36 points, including the core subjects 1843 Elements of Urban Design IVA and 9644 Elements of Urban Design IVB; plus at least two other core subjects; elective subjects to the equivalent value of at least 6 points; and the

Master's project 2801 Urban Design Masters Project, provided that subjects to the value of at least 18 points are taken at the University of Adelaide.

3.1.1 core subjects

Note not forming part of the Specific Course Rules: Equivalent subject values are - 3 points at the University of Adelaide = 4.5 points at the University of South Australia; 6 points at the University of Adelaide = 9 points at the University of South Australia

(a) All candidates shall satisfactorily complete the following subjects offered by the University of Adelaide:

1843 Elements of Urban Design IVA 3
9644 Elements of Urban Design IVB 3

(b) In addition, all candidates shall satisfactorily complete at least two of the following subjects which are offered at either the University of Adelaide or the University of South Australia. Students taking subjects at both the University of Adelaide and University of South Australia must comply with the enrolment procedures of both institutions.

semester 1

University of South Australia

Sustainable Urban Design Issues IV 4.5

semester 2

The University of Adelaide

8460 Urban Processes and Policy IV 3

University of South Australia

Urban Management and Law IV 4.5

Urban Development and Implementation IV 4.5

3.1.2 elective subjects

Note not forming part of the Specific Course Rules: Equivalent subject values are - 3 points at the University of Adelaide = 4.5 points at the University of South Australia; 6 points at the University of Adelaide = 9 points at the University of South Australia

Candidates shall satisfactorily complete at least the equivalent of 6 points of elective subjects from the following subjects which are offered at either the University of Adelaide or the University of South Australia, or from Level IV subjects chosen in consultation with the Course Coordinator. Students taking subjects at both the University of Adelaide and University of South Australia must comply with the enrolment procedures of both institutions.

The University of Adelaide

Choice of elective subjects from the Master of Landscape Architecture course, or subjects offered by the Department of Geographical and Environmental Studies as follows:

5688 Landscape Architecture Studio IA	6
6763 Landscape Architecture Studio IB	6
1624 Landscape Architecture Studio ID	6
2507 Landscape Architecture Seminar II	3
9330 Introduction to G.I.S. IV	3
1358 Introduction to G.I.S. Projects IV	3

University of South Australia

Choice of elective subjects from the Master of Regional and Urban Planning course as follows:

Contemporary Social Issues
Transport and Planning
Comparative Planning 1
Gender and Planning

3.1.3 Master's Project

Students may undertake the following subject at either the University of Adelaide or University of South Australia:

2801 Urban Design Masters Project Sem.3

4 Status, exemption and credit transfer

4.1 Except with the special permission of the Dean of the School of Architecture, Landscape Architecture and Urban Design, no candidate will be granted status for any of the compulsory or core subjects of the degree except candidates who have qualified for the Graduate Diploma in Design Studies.

4.2 No candidate will be permitted to count for the degree any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another award

4.3 A candidate who fails a subject and desires to repeat that subject shall, unless exempted partially therefrom by the Dean of School or Head of Department concerned, again complete the required work in the subject to the satisfaction of the teaching staff concerned.

5 Assessment and examinations

5.1 There shall be four classifications of pass in the subjects for the Master's degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass

5.2 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned

(b) For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

6 Articulation with other awards

6.1 A candidate who has been admitted to the Graduate Diploma in Urban Design and who has been granted status toward the Master's degree for subjects presented for the Graduate Diploma must surrender the Graduate Diploma before being admitted to the Master's degree.

6.2 A candidate for the Master of Urban Design (Coursework) who satisfies the requirements for the Graduate Diploma but who does not complete the requirements for the Master's degree may be admitted to the Graduate Diploma

Syllabuses

Note: equivalent subject values are: 3 points at The University of Adelaide = 4.5 points at the University of South Australia; 6 points at The University of Adelaide = 9 points at the University of South Australia.

University of Adelaide subjects

core subjects

1843 Elements of Urban Design IV A

3 points semester 1

16 hours lectures/seminars/ tutorials/studios per week; hours vary from week to week

corequisites: 9644 Elements of Urban Design IVB

restrictions: 8024 Landscape Architecture Studio IC

This subject is concerned with the morphological underpinnings of cities and urban landscapes together with the historical traditions and theories behind urban and landscape design. The subject will typically review these topics using a medium sized landscape design and planning topic, in an urban setting, possessing urban design, cultural and physical issues. The subject will explore the role of design in urban settings, historical and theoretical exemplars and constructs relevant to urban design, and review the morphological patterns and traditions in city landscape design and formation.

The subject will also explore the role and contribution of urban and landscape design in our cultural environments.

A project-based learning program integrating design and the avenues of urban and landscape inquiry and expression (structures, materials, plants, languages, information technologies, etc.) and the practices of urban and landscape design, planning and management within a theoretical and historical context; taking account of human (physiological, social and cultural) and ecological (faunal, floral, soil, water, etc.) factors.

assessment: assignments and projects - may include written, verbal and graphic (2 and 3 dimensional) communication

9644 Elements of Urban Design IV B

3 points semester 1

16 hours lectures/seminars/ tutorials/studios per week; hours vary from week to week

corequisites: 1843 Elements of Urban Design IVA

restrictions: 8024 Landscape Architecture Studio IC

This subject is concerned with the morphological underpinnings of cities and urban landscapes together with the historical traditions and theories behind urban

and landscape design. The subject will typically review these topics using a medium sized landscape design and planning topic, in an urban setting, possessing urban design, cultural and physical issues. The subject will explore the role of design in urban settings, historical and theoretical exemplars and constructs relevant to urban design, and review the morphological patterns and traditions in city landscape design and formation.

The subject will also explore the role and contribution of urban and landscape design in our cultural environments.

A project-based learning program integrating design and the avenues of urban and landscape inquiry and expression (structures, materials, plants, languages, information technologies, etc.) and the practices of urban and landscape design, planning and management within a theoretical and historical context; taking account of human (physiological, social and cultural) and ecological (faunal, floral, soil, water, etc.) factors.

The topics in Elements of Urban Design IVB are those not covered in Elements of Urban Design IVA.

assessment: assignments and projects - may include written, verbal and graphic (2 and 3 dimensional) communication.

8460 Urban Processes and Policy IV

3 points semester 1 or 2

Up to 6 hours lectures/seminars/ tutorials/studios per week; hours vary from week to week

This subject is concerned with the nature and recent history of urban development, and with the economics, social and political processes which give rise to spatial patterns and built form. Economic and demographic aspects associated with urban development; the role, influence and design implications of infrastructure provision; the impact of information technology on current and future urban form; economic and equity issues behind sustainable development premises; and the political economy of urban design. The subject will typically review these topics using a series of case studies. (Likely topics include current debates about inequitable cities; the impact of globalisation, new information and transport policy on urban form; changing patterns of retail and commercial activity; compact cities vs. the perils of urban consolidation; etc.)

assessment: assignments

elective subjects

Choice of elective subjects from the Master of Landscape Architecture course or the Department of Geographical and Environmental Studies, from the list outlined in Specific Course Rule 4.1.3

University of South Australia subjects

The following subjects are offered by the University of South Australia as part of the Masters programme. Masters students enrolled at The University of Adelaide wishing to take any of these subjects (within the limits indicated in the Specific Course Rules) will be granted appropriate credit towards their Adelaide award.

Students taking any of the subjects must comply with the enrolment procedures of the University of South Australia. Details of those procedures are available from that University

core subjects

Sustainable Urban Design Issues IV

4.5 points semester 1

Up to 6 hours lectures/seminars/ tutorials/studios per week; hours vary from week to week

This subject is concerned with sustainable urban design process and principles. The subject will explore sustainable urban design ideas having regard to, natural and human resources, cultural attitudes to social, economic and environmental issues, public and private transport and access, conflict negotiation and innovative infrastructure considerations (including groundwater and stormwater management, electricity, solar power, etc). The subject will also consider evaluation techniques and the theoretical and practical implications of the design of sustainable communities.

assessment: assignments and projects

Urban Management and Law IV

4.5 points semester 2

Up to 6 hours lectures/seminars/ tutorials/studios per week; hours vary from week to week

This subject is concerned with approaches to promoting and regulating urban development and design through plans, policies, laws, regulations and other instruments. This subject will typically include: changing notions of urban management - comprehensive plans, urban management, strategic planning, better cities, urban governance, public-private city partnerships; the changing roles of federal, state and local governments in urban management and planning; current and proposed legal and

administrative arrangements for planning and development assessment in South Australia, including arrangements for addressing projects of major economics, environmental or social significance; responsibility for the public realm; appeal processes and requirements for community involvement. (There will be a broad focus on changing ideas of planning and urban management, but illustrated by local examples - the rise and fall (?) of strategic planning, SA experience with integrated urban management at local level, the current debates about urban governance and the Adelaide 21 project, etc; plus Development Act changes, experience with urban design 'Panels' and the notion of 'design control', etc.)

assessment: assignments and projects

Urban Development and Implementation IV

4.5 points semester 2

6 hours lectures/seminars/ tutorials/studios per week; hours vary from week to week

This subject will focus on the processes through which urban development occurs and through which urban development and urban design projects are implemented. It examines economic approaches to project appraisal, including cost-benefit analysis and discounted cash-flow analysis. There is also a focus on the politics of implementation and the roles and influence of elected governments and community interest groups in shaping and implementing urban development projects. There will be a strong emphasis on case studies of commercial and residential development projects at various scales, including major city centre redevelopment projects, joint ventures and partnerships and the role of the urban designer in implementation. (This is a key subject integrating other core subjects, plus providing a close link to Urban Management and Law. There will be a strong case study emphasis, in particular international and interstate, with a detailed focus on Adelaide/SA projects - East End Redevelopment, Rosewood, The Parks, Port Adelaide, etc.)

assessment: assignments and projects

elective subjects

Choice of elective subjects from the Master of Regional and Urban Planning, from the list outlined in Specific Course Rule 4.1.3.

Details about the elective subjects to be offered by the University of South Australia, including information on their content, assessment and reading lists, are available in the Calendar of the University of South Australia, Vol. II.

**Subjects offered by the University of
Adelaide and University of South
Australia**

Master's subject

2801 Urban Design Masters Project

18 points semester 1 or 2 or summer semester

Up to 4 hours lectures/seminars/ tutorials/studios per week; hours vary from week to week.

prerequisites: all required subjects in the Graduate Diploma in Urban Design

restrictions: 7625 Landscape Architecture Project II

This subject comprises an individual or group culminating design, planning and/or research project that principally addresses the topic of urban design and which permits the exposition of the major aspects of the course and a student's particular interests. The project will be of moderate complexity, and often drawn from a limited selection or from an identified region.

assessment: assignments

Master of Architecture
Master of Building Science
Master of Design Studies
Master of Design Studies (Landscape)
Master of Landscape Architecture by Research
Master of Urban Design

The above awards have been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Qualification requirements

1.1 Master of Architecture

To qualify for the degree a candidate shall prepare a thesis, embodying the results of original research or investigation made into a field of study on an aspect or aspects of architectural design, building practice and/or the architectural profession. The field of study shall be approved in advance by the the School of Architecture, Landscape Architecture and Urban Design and prepared under the guidance of and in regular consultation with a supervisor or supervisors appointed by the School.

1.2 Master of Building Science

To qualify for the degree the candidate shall prepare a thesis, embodying the results of original research or investigation made into a field of study relating to the built environment in general or architecture in particular. The field of study shall be concerned with scientific and/or technical aspects of the built environment, and shall be approved in advance by the School of Architecture, Landscape Architecture and Urban Design and prepared under the guidance of and in regular consultation with a supervisor or supervisors appointed by the School.

1.3 Master of Design Studies

To qualify for the degree the candidate shall prepare a thesis, embodying the results of original research or investigation made into a field of study relating to the built environment in general and/or design or architecture in particular. The field of study shall be concerned with a cultural, historical, philosophical and/or theoretical aspect or aspects of the built environment, and shall be approved in advance

by the School of Architecture, Landscape Architecture and Urban Design and prepared under the guidance of and in regular consultation with a supervisor or supervisors appointed by the School.

1.4 Master of Design Studies (Landscape)

To qualify for the degree the candidate shall prepare a thesis, embodying the results of original research or investigation made into a field of study on an aspect or aspects relevant to the discipline of landscape architecture which has been approved in advance by the School of Architecture, Landscape Architecture and Urban Design and prepared upon the guidance of and in regular consultation with a supervisor or supervisors appointed by the School.

1.5 Master of Landscape Architecture by Research

To qualify for the degree a candidate shall prepare a thesis, embodying the results of original research or investigation made into a field of study on an aspect or aspects of landscape design, landscape practice and/or the landscape architecture profession. The field of study shall be approved in advance by the School of Architecture, Landscape Architecture and Urban Design and prepared under the guidance of and in regular consultation with a supervisor or supervisors appointed by the School.

1.6 Master of Urban Design

To qualify for the degree a candidate shall prepare a thesis, embodying the results of original research or investigation made into a field of study which has been approved in advance by the School of Architecture,

Landscape Architecture and Urban Design and prepared under the guidance of and in regular consultation with a supervisor or supervisors appointed by the School.

2 Admission requirements

Master of Architecture

2.1 The School of Architecture, Landscape Architecture and Urban Design may accept as a candidate for the degree of Master of Architecture any person who:

- (a) has become entitled to receive the Honours degree of Bachelor of Architecture of the University of Adelaide *or*
- (b) has obtained in another university or tertiary institution qualifications which in the opinion of the School of Architecture, Landscape Architecture and Urban Design are at least equivalent to those of the Honours degree of Bachelor of Architecture.

2.2 Subject to the approval of the Board of Graduate Studies acting with the authority wittingly devolved to it by Council the School may in special cases and subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not meet the requirements specified in Specific Course Rule 2.1 if it is satisfied that he or she is likely to be able satisfactorily to undertake work for the degree.

- 2.3
- (a) Subject to the approval of the Council, the School may accept as a probationary candidate for the degree an applicant with an unusual background or whose academic record does not clearly indicate fitness to undertake the degree. The School may impose special conditions on a probationary candidature.
 - (b) The performance of each probationary candidate shall be reviewed by the School after such period as the School prescribes or allows (not exceeding twelve months) and, subject to the approval of the Council, the candidature shall be either confirmed or terminated.

Master of Building Science and Master of Design Studies

2.4 The School of Architecture, Landscape Architecture and Urban Design may accept as a candidate for the degrees of Master of Building

Science or Master of Design Studies any person who:

- (a) has become entitled to receive the Honours degree of Bachelor of Architectural Studies or the Honours degree of Bachelor of Design Studies or the Honours degree of Bachelor of Architecture of the University of Adelaide *or*
- (b) has obtained in another university or tertiary institution qualifications which, in the opinion of the School of Architecture, Landscape Architecture and Urban Design, are at least equivalent to those of the Honours degree of Bachelor of Architectural Studies or Honours degree of Bachelor of Design Studies.

2.5 Subject to the approval of the Board of Graduate Studies acting with the authority wittingly devolved to it by Council the School may in special cases and subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not meet the requirements specified in Specific Course Rule 2.4 if it is satisfied that he or she is likely to be able satisfactorily to undertake work for the degree.

- 2.6
- (a) Subject to the approval of the Council, the School may accept as a probationary candidate for the degree an applicant with an unusual background or whose academic record does not clearly indicate fitness to undertake the degree. The School may impose special conditions on a probationary candidature.
 - (b) The performance of each probationary candidate shall be reviewed by the School after such period as the School prescribes or allows (not exceeding twelve months) and, subject to the approval of the Council, the candidature shall be either confirmed or terminated.

Master of Design Studies (Landscape) and Master of Urban Design

2.7 The School of Architecture, Landscape Architecture and Urban Design may accept as a candidate for the degrees of Master of Design Studies (Landscape) or Master of Urban Design any person who has become entitled to receive an Honours degree of the University of Adelaide or other qualifications accepted by the University as equivalent to an Honours degree.

- 2.8 Subject to the approval of the Board of Graduate Studies acting with the authority wittingly devolved to it by Council the School may in special cases and subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not meet the requirements specified in Specific Course Rule 2.7 if it is satisfied that he or she is likely to be able satisfactorily to undertake work for the degree.
- 2.9 (a) Subject to the approval of the Council, the School may accept as a probationary candidate for the degree an applicant with an unusual background or whose academic record does not clearly indicate fitness to undertake the degree. The School may impose special conditions on a probationary candidature.
- (b) The performance of each probationary candidate shall be reviewed by the School after such period as the School prescribes or allows (not exceeding twelve months) and, subject to the approval of the Council, the candidature shall be either confirmed or terminated.

Master of Landscape Architecture by Research

- 2.10 The School of Architecture, Landscape Architecture and Urban Design may accept as a candidate for the degree of Master of Landscape Architecture by Research any person who:
- (a) has become entitled to receive the Honours degree of Bachelor of Landscape Architecture of the University of Adelaide
or
- (b) has obtained in another university or tertiary institution qualifications which in the opinion of the School of Architecture, Landscape Architecture and Urban Design are at least equivalent to those of the Honours degree of Bachelor of Landscape Architecture
- 2.11 Subject to the approval of the Board of Graduate Studies acting with the authority wittingly devolved to it by Council the School may in special cases and subject to such conditions as it may see fit to impose in each case, accept as a candidate for the degree a person who does not meet the requirements specified in Specific Course Rule 2.1 if it is satisfied that he or she is likely to be able satisfactorily to undertake work for the degree.

- 2.12 (a) Subject to the approval of the Council, the School may accept as a probationary candidate for the degree an applicant with an unusual background or whose academic record does not clearly indicate fitness to undertake the degree. The School may impose special conditions on a probationary candidature.
- (b) The performance of each probationary candidate shall be reviewed by the School after such period as the School prescribes or allows (not exceeding twelve months) and, subject to the approval of the Council, the candidature shall be either confirmed or terminated.

3 General

- 3.1 The Dean of the School of Architecture, Landscape Architecture and Urban Design shall advise the School whether suitable facilities and staff are available to assist and supervise the research of the applicant before the candidature and proposed topic of research are approved by the School.
- 3.2 In cases where the proposed research calls for skills or qualifications not yet possessed by the candidate, the School may on the recommendation of the Dean of School require the candidate to spend a period of time, the length of which shall be prescribed by the School on the recommendation of the Dean of School, either on supervised study or on research under a supervisor or supervisors appointed by the School, and/or to undertake and pass at an acceptable standard examinations in courses related to the research topic.
- 3.3 There shall in each case be adequate and regular contact between the candidate and internal supervisor(s). The candidate may, with prior permission of School and subject to such conditions as may be determined in each case, conduct research in an organisation other than the University provided
- (a) that such research is closely related to the thesis
- (b) that the supervisor has access to all the candidate's external research work *and*
- (c) that the publication of results will not thereby be prejudiced. Any candidate given such permission shall be available for seminars and other discussions as required by the supervisor/s or the Dean of the School of Architecture, Landscape Architecture and Urban Design.

- 3.4 (a) Unless the School approves in advance an extension of time in a particular case, the thesis shall be submitted:
- (i) in the case of a full-time candidate, not earlier than one year and not later than three years from the date at which the candidature was accepted by the School *or*
 - (ii) in the case of a part-time candidate, not earlier than two years and not later than five years from the date at which the candidature was accepted by the School.
- (b) Three months before the intended date of submission the candidate shall notify the School in writing of the candidate's intention to submit the thesis, and shall at the same time submit the proposed title and a one-page summary of the thesis.
- 3.5 The candidate shall lodge with the Dean of School three copies of the thesis prepared in accordance with directions given to candidates from time to time. Refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume.
- 3.6 (a) The School shall appoint at least two examiners of the thesis of whom at least one shall be external. The examiners may recommend to the School that the thesis:
- (i) be accepted *or*
 - (ii) be accepted subject to minor corrections *or*
 - (iii) be awarded subject to the amendments specified being made to the thesis *or*
 - (iv) be returned to the candidate for revision and resubmission (within such period of time as the School may allow) *or*
 - (v) be rejected.
- (b) The examiners of a thesis resubmitted following recommendation (iv) may recommend only (i), (ii) or (v).
- 3.7 (a) If in the opinion of the School a candidate for the degree is not making satisfactory progress, the School may, with the consent of the Council, withdraw its approval of the candidature and the candidate shall cease to be enrolled for the degree
- (b) Before making a recommendation for termination of candidature to the Council
- the School shall notify the candidate of its intention so to do and shall permit the candidate to offer within one month written explanation for the lack of satisfactory progress. If notwithstanding any submission made by the candidate, the School decides to recommend termination of the candidature, the candidate shall be informed accordingly and shall have the right to appeal within one month to the Council, and any such appeal shall be considered by the Council at the same time as it considers the School's recommendation.
- 3.8 A candidate for the degree of Doctor of Philosophy whose work is considered by the School, after report by the examiners appointed to make recommendations on it, to be not of sufficient merit to qualify for that degree but of sufficient merit to qualify for the degree of Master of Architecture, the degree of Master of Building Science, the degree of Master of Design Studies, the degree of Master of Design Studies (Landscape), the degree of Master of Landscape Architecture by Research or the degree of Master of Urban Design may be admitted to the degree of Master of Architecture, the degree of Master of Building Science, the degree of Master of Design Studies, the degree of Master of Design Studies (Landscape), the degree of Master of Landscape Architecture by Research or the degree of Master of Urban Design provided that the candidate is otherwise qualified to become a candidate for the degree.
- 3.9 When the School is satisfied that a candidate has complied with the requirements and conditions of the Specific Course Rules and that the thesis is acceptable, the School shall recommend to the Council that the candidate be admitted to the degree of Master of Architecture, the degree of Master of Building Science, the degree of Master of Design Studies, the degree of Master of Design Studies (Landscape), the degree of Master of Landscape Architecture by Research or the degree of Master of Urban Design, as appropriate.

Professional Certificate in Urban Design Issues

The program aims to equip participants with a set of skills which will enhance participants' decision-making and understanding of urban design issues. The program is aimed at middle management level officers in State and Local Government offices and the private sector who can participate as part of their professional development without the commitment of a full academic course. The program is structured as an intensive series of lectures, seminars and project-based workshops involving up to 48 contact hours spread over six days, plus structured pre-contact time reading, plus post-contact-time assignment work. Assessment will be based on projects and essays.

Upon successful completion of the program, participants who enter the Graduate Certificate in Urban Design, Graduate Diploma in Urban Design or Master of Urban Design (Coursework) will be granted appropriate status.

For further information please contact the School Executive Officer, School of Architecture, Landscape Architecture and Urban Design.

School of Commerce

Website: www.commerce.adelaide.edu.au

Master of Commerce

M.Com.

Specific Course Rules490

Master of Commerce

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 A person who wishes to become a candidate for the degree shall apply to the Registrar indicating in general terms the subject of any research work to be undertaken.
- 1.2 The Faculty of PALACE may accept as a candidate for the degree of Master of Commerce any person who:
 - (a) has qualified for the degree of Bachelor of Commerce with First or Second-Class Honours at the University of Adelaide *or*
 - (b) has qualified for another Honours degree which the Faculty regards as being equivalent to a First or Second-Class Honours degree in Commerce of the University of Adelaide.
- 1.3 Subject to the approval of the Board of Graduate Studies acting with authority wittingly devolved to it by Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who, irrespective of whether or not the candidate is a university graduate, has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.
 - (a) Before deciding such a person's fitness, the Faculty may, if it so desires, require him or her
 - (i) to complete prescribed preliminary work and thereafter, or alternatively,
 - (ii) to complete a prescribed course of study and pass a qualifying examination of Honours standard.
 - (b) The form and assessment of any preliminary work and/or of any course of study shall be proposed by the School of Commerce and approved by the Faculty.

2 General

- 2.1 Prior to acceptance as a candidate it will be necessary for the School to approve the applicant's suggested Supervisor.

- 2.2 The subject of any thesis shall be approved by the School of Commerce and the Faculty.

3 Qualification requirements

- 3.1 A candidate may qualify for the degree by satisfactorily completing an approved program of research work on an approved topic and submitting a satisfactory thesis thereon.

4 Duration of course

- 4.1 Except by special permission of the Faculty the work for the degree for a full-time candidate shall be completed in not less than one year and not more than three years from the date of candidature accepted by the Faculty.
- 4.2 Except by special permission of the Faculty, the work for the degree for a part-time candidate shall be completed in not less than two years and not more than six years from the date of candidature accepted by the Faculty.

5 Review of academic progress

- 5.1 A candidate's progress shall be reviewed by the Faculty at the end of each academic year. If, in the opinion of the Faculty, a candidate is not making satisfactory progress the Faculty may, with the consent of the Council, withdraw its approval of his or her candidature and the candidate shall cease to be enrolled for the degree.
- 5.2 Postgraduate students of the School of Commerce are normally expected to attend the majority of research seminars arranged by the School in each year of their candidature. For full-time students, attendance at a minimum of 80 percent of seminars is expected. For part-time students, a minimum of 50 percent is expected.

6 Assessment and examinations

- 6.1 On completion of the work, the candidate shall lodge with the Registrar three copies of the thesis prepared in accordance with the directions given to candidates in the leaflet 'Guidelines on Higher Degrees by Research and Specifications for Thesis'.

- 6.2** Assessment shall in every case be by not less than two examiners, of whom one at least shall be external to the University. The names of the examiners shall be proposed by the School of Commerce and approved by the Faculty (the supervisor cannot be an examiner). The examiners shall report to the Faculty and may recommend:
- (a) that the thesis be accepted as satisfactory for the purposes of section 2 above *or*
 - (b) that the thesis be returned to the candidate for revision and resubmission *or*
 - (c) that the thesis be not accepted.
- 6.3** A candidate who complies with all the foregoing conditions shall, on the recommendation of the Faculty of PALACE, be admitted to the degree of Master of Commerce

School of Economics

Website: www.economics.adelaide.edu.au

Graduate Certificate in Economics

Grad.Cert.Ec.

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Graduate Certificate in Infrastructure Management

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Doctor of Philosophy

Ph. D.

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Graduate Certificate in Economics

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 Except as provided in 1.2 below, an applicant for admission to the course for the Graduate Certificate shall have qualified for a degree of the University or a degree of another institution accepted by the School for the purpose as equivalent to a degree of this University.
- 1.2 Subject to the approval of the Council, the School may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the School of fitness to undertake work for the Graduate Certificate.
- 1.3 The School may require an applicant to complete such additional preliminary work as it may prescribe before he or she is accepted as a candidate for the Graduate Certificate.
- 1.4 A knowledge of SACE Stage 2 Mathematics I or equivalent is assumed.

2 Duration of course

- 2.1 To qualify for the Graduate Certificate a candidate shall complete satisfactorily a course of full-time study extending over at least one semester or of part-time study extending over at least two semesters.

3 Assessment and examinations

- 3.1 There shall be four classifications of pass in the final assessment of any subject for the Graduate Certificate as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass.
- 3.2 A candidate for the Graduate Certificate in Economics shall attend regularly lectures and tutorials, do written work as may be prescribed, and pass examinations in accordance with the provisions of the Specific Course Rules.
- 3.3 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff

concerned. A candidate who is not eligible to present for examination or final assessment shall be deemed to have failed the examination/final assessment.

- (b) A candidate who fails a subject and wishes to repeat the subject shall again attend lectures and satisfactorily do such written and practical work as the lecturer concerned may prescribe.
- (c) A candidate who has twice failed the examination in any subject for the Graduate Certificate or for any other subject which in the opinion of the School contains a substantial amount of the same material, may not enrol for that subject except by permission of the School and then only under such conditions as School may prescribe.

4 Subjects of study

- 4.1 (a) To qualify for the Graduate Certificate in Economics the candidate shall satisfactorily complete four one-semester subjects (a minimum of twelve points) which shall comprise lectures and tutorials in any of the following subjects not previously completed:
- | | |
|--------------------------------------|---|
| 8917 Macroeconomics IID | 3 |
| 2419 Microeconomics IID | 3 |
| 4116 Macroeconomics IIID | 3 |
| 4999 Applied Microeconomics IIID | 3 |
| 9930 Microeconomics IIID | 3 |
| 9390 Business Data Analysis ID* | 3 |
| 6435 Economic Data Analysis IID* | 3 |
| 9549 Mathematical Economics IID* | 3 |
| 1371 Applied Econometrics IIID* | 3 |
| 3344 Econometrics IIID* | 3 |
| 9640 Australian Economic History IID | 3 |
| 7669 Business and Government IIID | 3 |
| 6807 Development Economics IIID | 3 |
| 6611 East Asian Economies IID | 3 |

2747	Economic Theory and the Environment IIID	3
9878	Economics of Finance IIID	3
1457	Economics of Law and Politics IIID	3
5791	Industrial Relations IID	3
6160	International Economic History IIID	3
5633	International Finance IIID	3
8959	International Trade IIID	3
8565	Labour Economics IIID	3
4587	Public Finance IIID	3
5564	Risk Theory IIID	3
5302	Special Topics IID	3
2821	Special Topics IIID	3
4950	Special Topics in the Economics of Finance IIID	3

*Students are reminded that some mathematical and statistical background is desirable for these subjects.

Note: Check with the School of Economics for subject availability each year.

- (b) A candidate may, with the permission of the Dean of School, substitute one four point subject drawn from clauses 4.1(a), 4.1(c) or 4.1(d) of the Specific Course Rules of the Graduate Diploma in Advanced Economics as a 3 point subject towards the Certificate.

- 4.2 The syllabus entries for all subjects are to be found in the syllabuses of the B.Ec. degree by removing the D from the subject name: eg. for Applied Econometrics IIID see the syllabus for Applied Econometrics III in the syllabuses for the degree of Bachelor of Economics. Please note that the prerequisites as stated do not necessarily apply to students enrolled in the Graduate Certificate. Students should consult the Postgraduate Adviser regarding subject selection
- 4.3 The number of subjects to be offered in any semester will be dependent upon staff availability and student demand.
- 4.4 In special circumstances, candidates may be given permission to substitute another subject for subjects specified in 4.1 above.

5 Status, exemption and credit transfer

- 5.1 A candidate who has passed subjects in other educational institutions and who has not presented these subjects towards an award may,

on written application to the Dean be granted such exemption from the requirements of these rules as the School shall determine. Status may be granted for a maximum of 3 points under 4.1 of the Specific Course Rules.

- 5.2 No candidate will be permitted to count for the Graduate Certificate in Economics any subject that in the opinion of the School contains substantially the same material as any other subject which has been presented already for another qualification.

6 Articulation with other awards

- 6.1 Candidates intending to continue on to a graduate Diploma or Master's degree are advised strongly to consult the subject requirements for those courses to ensure they complete the compulsory subjects satisfactorily.

Graduate Certificate in Infrastructure Management

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 Except as provided in 1.2 below, an applicant for admission to the course for the Graduate Certificate shall have qualified for a degree of the University or a degree of another institution accepted by the School for the purpose as equivalent to a degree of this University and is required to possess relevant work experience.
- 1.2 Subject to the approval of the Council, the School may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who can demonstrate relevant work experience but does not hold a degree of a tertiary institution but has given evidence satisfactory to the School of fitness to undertake work for the Graduate Certificate.
- 1.3 The School may require an applicant to complete such additional preliminary work as it may prescribe before he or she is accepted as a candidate for the Graduate Certificate.

2 Qualification requirements

- 2.1 To qualify for the Graduate Certificate a candidate shall complete satisfactorily a course of full-time study extending over at least one semester or of part-time study extending over at least two semesters. A candidate shall take not more than six consecutive semesters to complete the requirements of the Certificate.

3 Assessment and examinations

- 3.1 There shall be four classifications of pass in the final assessment of any subject for the Graduate Certificate as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass.
- 3.2 A candidate for the Graduate Certificate in Infrastructure Management shall attend regularly lectures and tutorials, do written work as may be prescribed, and pass examinations in accordance with the provisions of the Specific Course Rules.

- 3.3 (a) A candidate shall not be eligible to present for examination or final assessment unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to present for examination or final assessment shall be deemed to have failed the examination/final assessment
- (b) A candidate who fails a subject and wishes to repeat the subject shall again attend lectures and satisfactorily do such written and practical work as the lecturer concerned may prescribe.
- (c) A candidate who has twice failed the examination or final assessment in any subject for the Graduate Certificate or for any other subject which in the opinion of the School contains a substantial amount of the same material, may not enrol for that subject except by permission of the School and then only under such conditions as School may prescribe.

4 Subjects of study

- 4.1 To qualify for the Graduate Certificate in Infrastructure Management the candidate shall satisfactorily complete satisfactorily three semester subjects (a minimum of twelve points) which shall comprise lectures and tutorials in the following subjects not previously completed:
- (a) the following compulsory subject:
- | | |
|---------------------------|---|
| 4104 Managing Utilities I | 4 |
|---------------------------|---|
- (b) At least two subjects chosen from the following list:
- | | |
|---------------------------------|---|
| 3217 Asian Business | 4 |
| 5695 Contract Management | 4 |
| 7855 Finance | 4 |
| 3899 The Asian-Pacific Economy | 4 |
| 2469 Transforming Organisations | 4 |
| 3725 Utility Marketing | 4 |
- 4.2 No candidate will be permitted to count for the Graduate Certificate in Infrastructure Management any subject that in the opinion of

the School contains substantially the same material as any other subject which he or she has presented already for another qualification.

5 Status, exemption and credit transfer

5.1 A candidate who has passed subjects in this or other educational institutions and who has not presented these subjects towards an award may, on written application to the Dean of School, be granted such exemption from the requirements of these rules as the School shall determine. Status may be granted for a maximum of 4 points under 4.1 of the Specific Course Rules.

5.2 In special cases, the Dean of School, acting on advice from the Board of Studies, may extend the amount of status granted to a maximum of 8 points.

6 Articulation with other awards

Candidates intending to continue on to a Graduate Diploma or Masters degree are advised to consult the subject requirements for those courses to ensure they complete the compulsory subjects satisfactorily.

Syllabuses

compulsory subject

4104 Managing Utilities

4 points availability to be advised
24 hours lectures, 12 hours tutorials

The subject will cover the organisation and management of the provision of services by public utilities. The course will cover the essential nature of a utility activity, rules for efficient pricing and investment, concepts of performance, use of competition and privatisation to change performance, and the design of regulatory mechanisms and institutions, including access regimes

assessment: project, exam

elective subjects

3217 Asian Business

4 points availability to be advised
21 hours lecture, 9 hours tutorials, 9 hours supervised group work

Topics to be covered include the analysis of business organisations in Asia and their historical, cultural and economic origins, a review of models of culture and their application to the development of business strategy, an analysis of the barriers to working across cultures, and the application of these analytical ideas in approaches to developing business strategy in Asian markets. Analytical tools will be applied in a series of country case studies, with a special emphasis on China, Indonesia and the Philippines. Other economies may also be examined.

assessment: 2 short papers group project report

5695 Contract Management

4 points availability to be advised
20 hours lectures, 15 hours tutorials

This subject includes contract negotiation and formation, roles of legal and non-legal advisers, designing the contract vehicle, dealing with performance problems, legal regulation impacting on contractual relations, preparing for disputes, with applications to Australian and Asian legal systems; special attention will be given to managing legal risk in Asia and the nature of contracts in Asia.

assessment: class presentation, 2 projects (eg draft agreement or memorandum of advice)

7855 Finance

4 points availability to be advised
24 hours lectures, 12 hours tutorials

Topics covered include the investment decisions for domestic and overseas operations, the theory of finance and investment, analysis of country and currency risks, and diversification of assets of funding sources. Special attention will be paid to issues specific to the utility sector, including risk management and asset valuation.

assessment: short paper, project, exam; final weightings determined at the beginning of semester

3899 The Asian-Pacific Economy

4 points availability to be advised
21 hours lecture, 9 hours tutorials, 9 hours supervised group work

This subject reviews current developments in economic relations among the Asia Pacific economies and explores strategic business and public policy issues in the regional economy. Major issues include the characteristics of development in trade, trade policy, economic regulation, foreign investment issues, technology transfer, foreign exchange regimes, capital flows, foreign aid and regional institutional arrangements. Sub regional issues in ASEAN, North America, Australasia, and Northeast Asia will be examined as they relate to each other and the Asia Pacific economy as a whole

assessment: short paper, group project report, 2 hour exam

2469 Transforming Organisations

4 points availability to be advised
4 full-day intensive sessions plus tutorial support

The aim of this subject is to identify the drivers of change in the competitive environment in the utility sector, to use models from economics and management to derive implications for organisational design and to review strategies used by other organisations to implement change. The role of the manager in managing change, both planned and unplanned, is a focus of the subject. Theories of change, how individuals are affected by and can influence change will provide the theoretical foundations for this analysis. Students will also develop an understanding of change as it occurs at the individual group and organisational level in the utility sector

assessment: 2 short papers, group project report

3725 Utility Marketing

4 points availability to be advised

24 hours lectures, 12 hours tutorials

The subject aims to provide students with an understanding of marketing management and practices in the utility sector. The semester will be organised according to the structure of marketing plan, in particular for an organisation facing substantial regulatory reform. The subject will follow sequentially the steps required in designing and implementing a marketing plan. It will include topics such as environment analysis, industry and competitor analysis, objective setting, marketing strategies, marketing mix components and implementation and control mechanisms, customer analysis and strategies for developing customer ownership, the role of market information. The allocation of specific marketing responsibilities in product, pricing, distribution and marketplace decisions will be discussed. There will also be an in-depth examination of issues related to international marketing and it will review the marketing strategies available to marketers at varied stages of the internationalisation process

assessment: short paper, group project report, 2 hour exam

Graduate Certificate in International Economics

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 Except as provided in 1.2 below, an applicant for admission to the course for the Graduate Certificate shall have qualified for a degree of the University or a degree of another institution accepted by the School for the purpose as equivalent to a degree of this University.
- 1.2 Subject to the approval of the Council, the School may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the School of fitness to undertake work for the Graduate Certificate.
- 1.3 The School may require an applicant to complete such additional preliminary work as it may prescribe before he or she is accepted as a candidate for the Graduate Certificate.
- 1.4 A knowledge of SACE Stage 2 Mathematics I or its equivalent is assumed.

2 Assessment and examinations

- 2.1 There shall be four classifications of pass in the final assessment of any subject for the Graduate Certificate as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass.
- 2.2 A candidate for the Graduate Certificate in International Economics shall attend regularly lectures and tutorials, do written work as may be prescribed, and pass examinations in accordance with the provisions of the Specific Course Rules of the Certificate.
- 2.3 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to present for examination or final assessment shall be deemed to have failed the examination/final assessment.
- (b) A candidate who fails a subject and wishes to repeat the subject shall again attend lectures and tutorials and satisfactorily do

such written and practical work as the lecturer concerned may prescribe.

- (c) A candidate who has twice failed the examination in any subject for the Graduate Certificate or for any other subject which in the opinion of the School contains a substantial amount of the same material, may not enrol for that subject except by permission of the School and then only under such conditions as School may prescribe.

3 Subjects of study

- 3.1 To qualify for the Graduate Certificate in International Economics the candidate shall satisfactorily complete four one-semester subjects (a minimum of twelve points) which shall comprise:

- (a) at least one of the following International Economics subjects (or their equivalent):
- | | | |
|------|---|---|
| 5633 | International Finance IIID | 3 |
| 8959 | International Trade IIID | 3 |
| 4806 | International Trade and Investment Policy IID | 3 |
| 7456 | The Global Trading System IIID | 3 |
- (b) at least three of the following subjects not previously or otherwise completed (9 points):
- | | | |
|------|--|---|
| 1371 | Applied Econometrics IIID* | 3 |
| 6807 | Development Economics IIID | 3 |
| 6611 | East Asian Economies IID | 3 |
| 3344 | Econometrics IIID* | 3 |
| 6435 | Economic Data Analysis IID* | 3 |
| 2747 | Economic Theory and the Environment IIID | 3 |
| 9878 | Economics of Finance IIID | 3 |
| 1457 | Economics of Law and Politics IIID | 3 |
| 6160 | International Economic History IIID | 3 |
| 5633 | International Finance IIID | 3 |

8959 International Trade IIID	3
4806 International Trade and Investment Policy IID	3
8917 Macroeconomics IID	3
4116 Macroeconomics IIID	3
2419 Microeconomics IID	3
9930 Microeconomics IIID	3
4587 Public Finance IIID	3
5564 Risk Theory IIID	3
5302 Special Topics IID	3
2821 Special Topics IIID	3
7456 The Global Trading System IIID	3
4950 Special Topics in the Economics of Finance IIID	3

*Students are reminded that some mathematical and statistical background is desirable for these subjects.

Check with the School of Economics for subject availability each year.

(c) A candidate may, with the permission of the Dean of School substitute one four point subject drawn from clauses 4.1(a), 4.1(c) or 4.1(d) of the Specific Course Rules of the Graduate Diploma in Advanced Economics as a 3 point subject towards the Certificate.

3.2 The syllabus entries for all subjects are to be found in the syllabuses of the B.Ec. degree by removing the D from the subject name: eg. for Applied Econometrics IIID see the syllabus for Applied Econometrics III in the syllabuses for the degree of Bachelor of Economics. Please note that the prerequisites as stated do not necessarily apply to students enrolled in the Graduate Certificate. Students should consult the Postgraduate Adviser regarding subject selection.

3.3 The number of subjects to be offered in any semester will be dependent upon staff availability and student demand.

3.4 In special circumstances, candidates may be given permission to substitute another subject for subjects specified in 3.1 above.

4 Status, exemption and credit transfer

4.1 A candidate who has passed subjects in other educational institutions and who has not presented these subjects towards an award may, on written application to the Dean be granted such exemption from the requirements of these rules as the School shall determine. Status may

be granted for a maximum of 3 points under 3.1 of the Specific Course Rules.

4.2 No candidate will be permitted to count for the Graduate Certificate in International Economics any subject that in the opinion of the School contains substantially the same material as any other subject which he or she has presented already for another qualification.

5 Articulation with other awards

5.1 Candidates intending to continue on to a Graduate Diploma or Master's degree are advised strongly to consult the subject requirements for those courses to ensure they complete the compulsory subjects satisfactorily.

Syllabus

See Graduate Diploma in International Economics for syllabus details

Graduate Diploma in Advanced Economics

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course for the Graduate Diploma shall have qualified for a degree of the University or a degree of another institution accepted by the School for the purpose as equivalent to a degree of this University and have obtained the approval of the School of Economics. The degree must contain a major in Economics.
- 1.2 Subject to the approval of the School, the Council may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of 1.1 above but who has given evidence satisfactory to the School of fitness to undertake work for the Graduate Diploma.
- 1.3 The School may require an applicant to complete such additional preliminary work as it may prescribe before he or she is accepted as a candidate for the Graduate Diploma.

2 Duration of course

- 2.1 To qualify for the Graduate Diploma in Advanced Economics a candidate shall satisfactorily complete a course of full-time study extending over at least two semesters or of part-time study extending over at least four semesters.

3 Assessment and examinations

- 3.1 There shall be four classifications of pass in the final assessment of any subject for the Graduate Diploma as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass.
- 3.2 A candidate for the Graduate Diploma in Advanced Economics shall regularly attend lectures and tutorials, do written work as may be prescribed, and pass examinations in accordance with the provisions of these Specific Course Rules.
- 3.3 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff

concerned. A candidate who is not eligible to present for examination or final assessment shall be deemed to have failed the examination/final assessment.

- (b) A candidate who fails a subject and wishes to repeat the subject shall attend again lectures and satisfactorily do such written and practical work as the lecturer concerned may prescribe.
- (c) A candidate who has twice failed the examination in any subject or division of a subject may not enrol for that subject again except by special permission to be obtained in writing from the School and then only under such conditions as may be prescribed.

4 Subjects of study

- 4.1 To qualify for the Graduate Diploma in Advanced Economics the candidate shall complete satisfactorily six semester subjects (24 points) which shall comprise lectures and tutorials in

- (a) the following two compulsory core subjects (8 points):

7264 Macroeconomics A (H)	4
3711 Microeconomics A (H)	4
- (b) One of the following quantitative subjects (four points):

9952 Applied Econometrics IIIA	4
5164 Econometrics IIIA	4
2341 Econometrics (H)	4
- (c) at least two subjects, not previously or otherwise completed, chosen from the list (a minimum of 8 points) including the presentation of a research essay in at least one of the subjects:

2341 Econometrics (H)	4
9712 Economic Development (H)	4
7446 Economic Growth and Agriculture (H)	4
8336 Economics of Public Policy (H)	4

5605	Environmental Economics	4
5454	History of Economic Thought (H)	4
2683	Industrial Organisation (H)	4
6677	International Banking and Finance (H)	4
6747	International Finance (H)	4
6692	International Trade (H)	4
4054	Labour Economics (H)	4
6670	Long Run Growth (H)	4
2275	Mathematical Economics (H)	4
4761	Monetary Economics (H)	4
3393	Money (H)	4
8053	Public Economics (H)	4
5706	Regional Economics (H)	4
3782	Socialist Economies in Transition (H)	4
3634	Special Topics (H)	4
1294	Transport and Urban Economics (H)	4
(d)	one other subject not previously or otherwise completed, from those listed above in 5.1(c) or from the following (4 points):	
9952	Applied Econometrics IIIA	4
9145	Business and Government IIIA	4
8263	Development Economics IIIA	4
5164	Econometrics IIIA	4
1705	Economic Theory and the Environment IIIA	4
8174	Economics of Finance IIIA	4
4188	Economics of Law and Politics IIIA	4
1252	International Economic History IIIA	4
2112	International Finance IIIA	4
8557	International Trade IIIA	4
3464	Labour Economics IIIA	4
2785	Microeconomics IIIA	4
1093	Public Finance IIIA	4
1771	Risk Theory IIIA	4
1630	Special Topics in the Economics of Finance IIIA	4

Note: Check with the School of Economics for subject availability each year

4.2 The syllabus entries for IIIA subjects are found in the syllabuses of the degree of Bachelor of Economics by removing the A from the subject

name: eg, for Applied Econometrics IIIA see the syllabus for 4883 Applied Econometrics III in the syllabuses for the degree of Bachelor of Economics. Please note that the prerequisites as stated do not necessarily apply to students enrolled in the Graduate Diploma. Students should consult the Postgraduate Adviser regarding subject selection.

4.3 The number of subjects to be offered in any semester will be dependent upon the availability of staff and student demand.

4.4 In special circumstances, candidates may be given permission to substitute another subject for subjects specified in 4.1 above.

5 Status, exemption and credit transfer

5.1 A candidate who has passed subjects in other educational institutions and who has not presented these subjects towards an award may, on written application to the School, be granted such exemption from the requirements of these Specific Course Rules as the School shall determine. Status may be granted for a maximum of 8 points under 4.1(a) and 4.1(b) above.

5.2 No candidate will be permitted to count for the Graduate Diploma in Advanced Economics any subject that in the opinion of the School contains substantially the same material as any other subject which he or she has presented already for another qualification, other than for the Graduate Certificates in Economics or the Graduate Diploma in Applied Economics or the Graduate Diploma in International Economics and then only upon its surrender.

6 Articulation with other awards

6.1 A candidate holding a Graduate Certificate in Economics or International Economics or Graduate Diploma in Applied or International Economics may count subjects passed in these courses toward the Graduate Diploma upon surrender of the other awards.

6.2 Candidates intending to continue on to a Master's degree are advised strongly to consult the subject requirements for such courses to ensure they complete the compulsory subjects satisfactorily.

6.3 Candidates currently enrolled in the Graduate Diploma in Economics will proceed under the regulations and schedules in force at the date of enrolment.

Syllabuses

prerequisites for quantitative and optional subjects

compulsory core subjects

7264 Macroeconomics A (H)

4 points semester 1

2-hour lecture a week

prerequisite: 4466 Macroeconomics III and 3658 Microeconomics III or equivalents

assumed knowledge: a knowledge equivalent to an undergraduate major in Economics

Introduction to an advanced treatment of major recent developments in macroeconomic theory and policy. Topics include advanced treatment of the Neo Classical synthesis, and developments in Neo Keynesian, Neo Classical and Post Keynesian approaches to macroeconomics. Policy evaluation is treated in the context of small open economy macroeconomic models.

assessment: final exam

3711 Microeconomics A (H)

4 points semester 1

2-hour lecture a week

prerequisite: 3658 Microeconomics III or equivalent

assumed knowledge: equivalent to an undergraduate major in Economics

An advanced treatment of consumer theory, the theory of the firm including strategic behaviour, general equilibrium and welfare.

assessment: final exam

quantitative subject

2341 Econometrics (H)

4 points

2-hour lecture a week

prerequisite: as approved by coordinator of the award

The subject is concerned with practical problems of modelling economic time series for the purposes of testing theories and for policy and forecasting. The development will be information, most theorems will not be proven and mathematical arguments will, for the most part, be presented in intuitive fashion. The course will cover: analysis of economic time series in the time domain using the methods of Box and Jenkins; the relationship between time series analysis ARMA models and structural econometric models.

assessment: determined in consultation with students; usually based on a research project and final exam

optional subjects

9712 Economic Development (H)

4 points

2-hour lecture a week

prerequisite: as approved by coordinator of the award

assumed knowledge: a knowledge equivalent to an undergraduate major in Economics

The subject is concerned with the economic structure and functioning of less-developed countries and with theories of economic growth. The subject will emphasise selected topics, which may vary from year to year.

assessment: determined in consultation with students; usually based on a research project and final exam

7446 Economic Growth and Agriculture (H)

4 points

2-hour lecture a week

prerequisite: as approved by coordinator of the award

assumed knowledge: equivalent to an undergraduate major in Economics

This is the course on the nature, causes and effects of inter- and intra-sectoral structural changes that occur to production, consumption and trade in growing economies. While there will be some emphasis on the agricultural sector, the use of an open economy, general equilibrium framework throughout ensures that the analytical methods employed and the policy issues addressed have general applicability.

assessment: determined in consultation with students

8336 Economics of Public Policy (H)

4 points

2-hour lecture a week

prerequisite: as approved by coordinator of the award

restriction: may not be counted with 9993 Economics of Public Policy

This subject presents the theory of economic policy at an advanced level. The welfare economics of policy and the positive economics of policy, and especially their connections, will be highlighted. Topics include the variety of policy and analyses constitutionalism, corporatism, and the economic theory of the state; the

Coase theorem; theory of second best; cost-benefit analysis; incentive compatibility; rent-seeking; theories of policy. Illustrations will be drawn from historical experience and contemporary policy issues, both macro and micro-economic.

assessment: determined in consultation with students

5605 Environmental Economics (H)

4 points

2-hour lecture a week

assumed knowledge: equivalent to an undergraduate major in Economics

Syllabus details to be advised

2683 Industrial Organisation (H)

4 points

2-hour lecture a week

assumed knowledge: equivalent to an undergraduate major in Economics

Syllabus details to be advised

6747 International Finance (H)

4 points

2-hour lecture a week

prerequisite: as approved by coordinator of the award

assumed knowledge: equivalent to an undergraduate major in Economics

The subject is concerned with the international monetary system and international financial markets. The topics covered may vary from year to year.

assessment: determined in consultation with students; usually based on a research project and final exam

6692 International Trade (H)

4 points

2-hour lecture a week

prerequisite: as approved by coordinator of the award

assumed knowledge: equivalent to an undergraduate major in Economics

The subject is concerned with the theory of international trade and commercial policy. The topics covered may vary from year to year.

assessment: determined in consultation with students; usually based on a research project and final exam

4054 Labour Economics (H)

4 points

2-hour lecture a week

prerequisite: as approved by coordinator of the award

assumed knowledge: equivalent to an undergraduate major in Economics

An advanced treatment of current topics in labour economics.

assessment: determined in consultation with students; usually based on a research project and final exam

6670 Long Run Growth (H)

4 points

2-hour lecture a week

prerequisite: as approved by coordinator of the award

assumed knowledge: equivalent to an undergraduate major in Economics

This subject examines the evidence of, and leading explanations for, economic growth in the advanced countries over the long run. Both historians' and economists' contributions to the analysis of economic growth are considered, but emphasis is placed on the enhanced insight which may be derived from historical enquiry.

assessment: determined in consultation with students; usually based on a research project and final exam

2275 Mathematical Economics (H)

4 points

2-hour lecture a week

prerequisite: as approved by coordinator of the award

assumed knowledge: equivalent to an undergraduate major in Economics

Introduction to and applications of optimal control theory. Introduction to and applications of game theory.

assessment: determined in consultation with students; usually based on a research project and final exam

8053 Public Economics (H)

4 points

2-hour lecture a week

prerequisite: as approved by coordinator of the award

assumed knowledge: equivalent to an undergraduate major in Economics

The purpose of this subject is to examine the role of government in a market economy. The subject starts with an overview of economists' perspectives on this issue, then turns to an extensive consideration of the implications of the theory of second best for the formulation of policy. A second topic is a close examination of another issue which is prominent for governments but skated over in most economics courses, namely income distribution in general and poverty in particular. Issues in taxation may be taught as a third topic.

assessment: determined in consultation with students; usually based on a research project and final exam

3634 Special Topics (H)

4 points

2 lectures, 1 tutorial a week

prerequisite: as approved by coordinator of the award

This subject will cover selected topics which are not currently covered elsewhere in the Economics curriculum at level IV. The selection of topics will depend on the availability of staff, including visitors, and on their teaching and research interests.

assessment: determined in consultation with students

Graduate Diploma in Applied Economics

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1** An applicant for admission to the course for the Graduate Diploma shall have qualified for a degree of the University or a degree of another institution accepted by the School for the purpose as equivalent to a degree of this University and have obtained the approval of the School of Economics. The degree need not contain a major in Economics
- 1.2** Subject to the approval of the Council the School may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the School of fitness to undertake work for the Graduate Diploma. Normally that would involve completing satisfactorily the requirements for the Graduate Certificate in Economics.
- 1.3** A knowledge of SACE Stage 2 Mathematics I or equivalent is assumed.

2 Duration of course

To qualify for the Graduate Diploma a candidate shall complete satisfactorily a course of full-time study extending over at least two semesters or of part-time study extending over at least four semesters.

3 Assessment and examinations

- 3.1** There shall be four classifications of pass in the final assessment of any subject for the Graduate Diploma as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass.
- 3.2** A candidate for the Graduate Diploma in Applied Economics shall attend regularly lectures and tutorials, do written work as may be prescribed, and pass examinations in accordance with the provisions of these Specific Course Rules.
- 3.3** (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate

who is not eligible to present for examination or final assessment shall be deemed to have failed the examination/final assessment.

- (b) A candidate who fails a subject and wishes to repeat the subject shall again attend lectures and satisfactorily do such written and practical work as the lecturer concerned may prescribe.
- (c) A candidate who has failed twice the examination in any subject or division of a subject may not enrol for that subject again except by special permission to be obtained in writing from the School and then only under such conditions as may be prescribed.

4 Subjects of study

- 4.1** To qualify for the Graduate Diploma in Applied Economics the candidate shall complete satisfactorily eight semester subjects (a minimum of 24 points) which shall comprise lectures and tutorials in

- (a) the following three compulsory core subjects (9 points):

8917 Macroeconomics IID	3
2419 Microeconomics IID	3
<i>and either</i>	
4116 Macroeconomics IIID	3
<i>or</i>	
9930 Microeconomics IIID	3

- (b) one of the following quantitative subjects (3 points):

1371 Applied Econometrics IIID*	3
9390 Business Data Analysis ID	3
6435 Economic Data Analysis IID*	3
9549 Mathematical Economics IID*	3
3344 Econometrics IIID*	3

- (c) at least four subjects not previously or otherwise completed (12 points) chosen from the following list, of which at least 2 subjects (6 points) must be IIID subjects:

1371 Applied Econometrics IIID*	3
9640 Australian Economic History IID	3
7669 Business and Government IIID	3
6807 Development Economics IIID	3
6611 East Asian Economies IID	3
3344 Econometrics IIID*	3
6435 Economic Data Analysis IID*	3
2747 Economic Theory and the Environment IIID	3
9878 Economics of Finance IIID	3
4680 Economics of Law and Politics IIID	3
5791 Industrial Relations IID	3
6160 International Economic History IIID	3
5633 International Finance IIID	3
8959 International Trade IIID	3
4806 International Trade and Investment Policy IID	3
8565 Labour Economics IIID	3
4116 Macroeconomics IIID	3
9549 Mathematical Economics IID*	3
9930 Microeconomics IIID	3
4587 Public Finance IIID	3
5564 Risk Theory IIID	3
5302 Special Topics IID	3
2821 Special Topics IIID	3
4950 Special Topics in the Economics of Finance IIID	3

*These subjects are available for students with some mathematical and statistical background.

Note: Check with School of Economics for subject availability each year.

(d) A candidate may substitute one or more 4 point subjects drawn from clauses 4.1(a), 4.1(c) or 4.1(d) of the Specific Course Rules of the Graduate Diploma in Advanced Economics as a 3 point subject towards the Diploma.

4.2 The syllabus entries for all subjects are found in the syllabuses of the degree of Bachelor of Economics by removing the D from the subject name: eg., for Applied Econometrics IIID see the syllabus for Applied Econometrics III in the syllabuses for degree of Bachelor of Economics. Please note that the prerequisites as stated do not necessarily apply to students enrolled in the Graduate Diploma. Students should consult the Postgraduate Adviser regarding subject selection.

4.3 The number of subjects to be offered in any semester will be dependent upon staff availability and student demand.

4.4 In special circumstances, candidates may be given permission to substitute another subject for subjects specified in 4.1 above.

5 Status, exemption and credit transfer

5.1 A candidate who has passed subjects in other educational institutions and who has not presented these subjects towards an award may, on written application to the Dean, be granted such exemption from the requirements of these regulations as the School shall determine. Status may be granted for a maximum of 6 points under 4.1 of the Specific Course Rules.

5.2 No candidate will be permitted to count for the Graduate Diploma in Applied Economics any subject that in the opinion of the School contains substantially the same material as any other subject which he or she has presented already for another qualification, other than for the Graduate Certificate in Economics or International Economics and then only upon its surrender.

6 Articulation with other awards

6.1 A candidate holding a Graduate Certificate in Economics or International Economics may count subjects passed in the Graduate Certificate toward the Graduate Diploma upon surrender of the Graduate Certificate.

6.2 Candidates intending to continue on to a Master's degree are advised strongly to consult the subject requirements for such courses to ensure they complete the compulsory subjects satisfactorily.

6.3 Candidates currently enrolled in the Graduate Diploma in Economics will proceed under the regulations and schedules in force at the date of enrolment.

Graduate Diploma in International Economics

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course for the Graduate Diploma shall have qualified for a degree of the University or a degree of another institution accepted by the School for the purpose as equivalent to a degree of this University and have obtained the approval of the School of Economics. The degree need not contain a major in Economics.
- 1.2 The School may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the School of fitness to undertake work for the Graduate Diploma. Normally that would involve completing satisfactorily the requirements for the Graduate Certificate in Economics or Graduate Certificate in International Economics.
- 1.3 A knowledge of SACE Stage 2 Mathematics I or its equivalent is assumed.

2 Assessment and examinations

- 2.1 There shall be four classifications of pass in the final assessment of any subject for the Graduate Diploma as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass.
- 2.2 A candidate for the Graduate Diploma in International Economics shall attend regularly lectures and tutorials, do written work as may be prescribed, and pass examinations in accordance with the provisions of these Specific Course Rules of the Diploma.
- 2.3 (a) A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to present for examination or final assessment shall be deemed to have failed the examination/final assessment.
- (b) A candidate who fails a subject and wishes to repeat the subject shall again attend lectures and tutorials and satisfactorily do

such written and practical work as the lecturer concerned may prescribe.

- (c) A candidate who has failed twice the examination in any subject or division of a subject may not enrol for that subject again except by special permission to be obtained in writing from the School and then only under such conditions as may be prescribed.

3 Subjects of study

- 3.1 To qualify for the Graduate Diploma in International Economics the candidate shall complete satisfactorily eight semester subjects (a minimum of 24 points) which shall comprise:
- (a) at least two of the following International Economics subjects or their equivalents (6 points):
- | | |
|--|---|
| 5633 International Finance IIID | 3 |
| 8959 International Trade IIID | 3 |
| 4806 International Trade and Investment Policy IID | 3 |
| 7456 The Global Trading System IIID | 3 |
- (b) at least one of the following microeconomic subjects or equivalents (3 points):
- | | |
|--------------------------|---|
| 2419 Microeconomics IID | 3 |
| 9930 Microeconomics IIID | 3 |
- (c) at least one of the following quantitative subjects or their equivalents (3 points):
- | | |
|----------------------------------|---|
| 1371 Applied Econometrics IIID* | 3 |
| 3344 Econometrics IIID* | 3 |
| 6435 Economic Data Analysis IID* | 3 |
- (d) at least four of the following subjects not previously or otherwise completed (a minimum of 12 points):
- | | |
|---------------------------------|---|
| 1371 Applied Econometrics IIID* | 3 |
| 6807 Development Economics IIID | 3 |
| 6611 East Asian Economics IID | 3 |
| 3344 Econometrics IIID* | 3 |

2747 Economic Theory and the Environment IIID	3
9878 Economics of Finance IIID	3
1457 Economics of Law and Politics IIID	3
6160 International Economic History IIID	3
5633 International Finance IIID	3
8959 International Trade IIID	3
4806 International Trade and Investment Policy IID	3
8917 Macroeconomics IID	3
4116 Macroeconomics IIID	3
9930 Microeconomics IIID	3
4587 Public Finance IIID	3
5564 Risk Theory IIID	3
5302 Special Topics IID	3
2821 Special Topics IIID	3
7456 The Global Trading System IIID	3
4950 Special Topics in the Economics of Finance IIID	3

*These subjects are available for students with some mathematical and statistical background.

Note: Check with the School of Economics for subject availability each year.

- (e) A candidate may substitute one or more 4 point subjects drawn from clauses 4.1(a), 4.1(c) or 4.1(d) of the Specific Course Rules of the Graduate Diploma in Advanced Economics as a 3 point subject in the Diploma.
- 3.2 The syllabus entries for all subjects are found in the syllabuses of the degree of Bachelor of Economics by removing the D from the subject name: eg. for Applied Econometrics IIID see the syllabus for Applied Econometrics III in the syllabuses for degree of Bachelor of Economics. Please note that the prerequisites as stated do not necessarily apply to students enrolled in the Graduate Diploma. Students should consult the Postgraduate Adviser regarding subject selection.
- 3.3 The number of subjects to be offered in any semester will be dependent upon staff availability and student demand.
- 3.4 In special circumstances, candidates may be given permission to substitute another subject for subjects specified in 3.1 above.

4 Status, exemption and credit transfer

- 4.1 A candidate who has passed subjects in other educational institutions and who has not presented these subjects towards an award may, on written application to the Dean, be granted such exemption from the requirements of these regulations as the School shall determine. Status may be granted for a maximum of 6 points under 3.1 of the Specific Course Rules.
- 4.2 No candidate will be permitted to count for the Graduate Diploma in International Economics any subject that in the opinion of the School contains substantially the same material as any other subject which he or she has presented already for another qualification, other than for the Graduate Certificate in International Economics and then only upon its surrender.

5. Articulation with other awards

- 5.1 A candidate holding a Graduate Certificate in Economics or International Economics may count subjects passed in the Graduate Certificate toward the Graduate Diploma upon surrender of the Graduate Certificate.
- 5.2 Candidates intending to continue on to a Master's degree are advised strongly to consult the subject requirements for such courses to ensure they complete the compulsory subjects satisfactorily.
- 5.3 Candidates currently enrolled in the Graduate Diploma in Economics will proceed under the regulations and schedules in force at the date of enrolment.

Syllabuses

7456 The Global Trading System IIID

3 points semester 2

2 ninety-minute lectures/seminars a week

corequisites: 2419 Microeconomics IID

The subject assesses the role of the GATT and now the WTO in the world economy and examines the various Uruguay Round Agreements in detail, along with newly emerging WTO issues. Models used to estimate the magnitudes of the economic effects of trade reforms such as the Uruguay Round and China's accession to the WTO will be explored. Each student will prepare and type a 2500 word project paper to be presented to the class near the end of the semester.

assessment: determined in consultation with students

Master of Applied Economics

The following award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, students are advised to refer to them to gain an understanding of their rights and responsibilities with regard to course matters.

Specific Course Rules

1 Admission requirements

1.1 The Faculty may accept as a candidate for the degree any graduate who:

- (a) has qualified for the degree Bachelor of Economics of the University of Adelaide at an average equivalent to a credit or better *or*
- (b) has qualified for a degree of another university at an average equivalent to a credit or better, which degree the Faculty regards as being equivalent to the degree Bachelor of Economics of the University of Adelaide *or*
- (c) has qualified for a joint degree in Economics of the University of Adelaide or its equivalent from another university, supplemented by the satisfactory completion of bridging coursework as the Faculty may deem necessary (subjects to be specified by the Executive Dean of Faculty) *or*
- (d) has qualified for a degree of the University of Adelaide or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of this University at an average equivalent to a credit or better and has obtained the approval of the Faculty. The degree need not contain a major in Economics but must be supplemented by the satisfactory completion of bridging coursework as the Faculty may deem necessary (subjects to be specified by the Executive Dean of Faculty) *or*
- (e) has qualified for either of the Graduate Diplomas in Applied or International Economics from the University of Adelaide or their equivalent from another university.

1.2 The Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who, irrespective of whether or not the candidate is a university graduate, has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Duration of course

- 2.1 (a) Except by special permission of the Faculty, the work of the degree for a full-time candidate shall be completed in not less than three semesters and not more than six semesters from the date of candidature accepted by the Faculty.
- (b) Except by special permission of the Faculty, the work of the degree for a part-time candidate shall be completed in not less than six semesters and not more than twelve semesters from the date of candidature accepted by the Faculty.

3 Assessment and examinations

- 3.1 On completion of the work, the candidate shall lodge with the Faculty three copies of the thesis or dissertation prepared in accordance with the directions given to candidates by the Faculty.
- 3.2 Results of those who pass in any of the subjects shall be published within the following classifications: High Distinction, Distinction, Credit, Pass.
- 3.3 To satisfy the coursework component of the degree, a candidate must pass each of the prescribed subjects and obtain an average equivalent to a credit or better.
- 3.4 A candidate who has not completed satisfactorily such written and practical work as may be required shall not be permitted to present for examination or final assessment in any subject.

4 Course requirements

4.1 To qualify for the degree of Master of Applied Economics, the candidate shall complete satisfactorily a course of study which shall consist of subjects as follows:

- (a) **core subjects**
- 9930 Microeconomics IIID 3
- or*
- 4999 Applied Microeconomics IIID 3
- and*
- 4116 Macroeconomics IIID 3

- (b) one of the following quantitative subjects:
- | | |
|--------------------------------|---|
| 1371 Applied Econometrics IIID | 3 |
| 3344 Econometrics IIID | 3 |
| 2341 Econometrics (H) | 4 |
- (c) one elective subject not previously or otherwise completed (3 points) to be chosen from the following list.
- | | |
|--|---|
| 1371 Applied Econometrics IIID | 3 |
| 4999 Applied Microeconomics IIID | 3 |
| 3344 Econometrics IIID | 3 |
| 7669 Business and Government IIID | 3 |
| 6807 Development Economics IIID | 3 |
| 2747 Economic Theory and the Environment IIID | 3 |
| 9878 Economics of Finance IIID | 3 |
| 4680 Economics of Law and Politics IIID | 3 |
| 6160 International Economic History IIID | 3 |
| 5633 International Finance IIID | 3 |
| 8959 International Trade IIID | 3 |
| 8565 Labour Economics IIID | 3 |
| 9930 Microeconomics IIID | 3 |
| 4587 Public Finance IIID | 3 |
| 5564 Risk Theory IIID | 3 |
| 4950 Special Topics in the Economics of Finance IIID | 3 |

Note: Level IIID subjects involve work and assessment in addition to that which is required in Level III subjects.

- (d) two elective subjects not previously or otherwise completed (8 points) to be chosen from the following list.
- | | |
|--|---|
| 2341 Econometrics (H) | 4 |
| 9712 Economic Development (H) | 4 |
| 7446 Economic Growth and Agriculture (H) | 4 |
| 5605 Environmental Economics (H) | 4 |
| 5454 History of Economic Thought (H) | 4 |
| 2683 Industrial Organisation (H) | 4 |
| 6677 International Banking and Finance (H) | 4 |
| 6747 International Finance (H) | 4 |
| 6692 International Trade (H) | 4 |
| 4054 Labour Economics (H) | 4 |
| 6670 Long Run Growth (H) | 4 |
| 7264 Macroeconomics A (H) | 4 |

- | | |
|--|---|
| 3711 Microeconomics A (H) | 4 |
| 2275 Mathematical Economics (H) | 4 |
| 4761 Monetary Economics (H) | 4 |
| 3393 Money (H) | 4 |
| 5706 Regional Economics (H) | 4 |
| 3782 Socialist Economics in Transition (H) | 4 |
| 3634 Special Topics (H) | 4 |
| 2652 Trade and Development (H) | 4 |

Note: The precise number of subjects to be offered in any one year will be depend upon staff availability and student demand, and subject to such quotas as may need to be imposed.

- e) **either**
- Supervised Research Program and Dissertation thereon
- | | |
|---|----|
| 6053 Master of Applied Economics Dissertation | 16 |
| 5625 Master of Applied Economics Dissertation (Part-Time) | 16 |
- or**
- (i) Project to the value of 8 points 8
- plus*
- (ii) Two additional subjects selected from 4.1 (d) 8
- or*
- (iii) Three additional subjects selected from 4.1(c) 9
- or*
- (iv) Any combination of additional subjects from 4.1(c) or 4.1(d) to the value of at least 8 points 8

4.2 No candidate will be permitted to count for the Master of Applied Economics degree any subject that in the opinion of the Faculty contains substantially the same material as any subjects which he or she has already presented for another qualification, other than the Graduate Certificate in Economics or International Economics or the Graduate Diploma in Economics or International Economics and then only upon their surrender prior to graduation with the Master of Applied Economics degree.

4.3 A student who has surrendered a Graduate Certificate or Graduate Diploma of Economics may count up to four subjects already presented towards the Graduate Certificate or Graduate Diploma towards the Master of Applied Economics, provided the results of the subjects are of a sufficiently high standard.

4.4 A candidate who has successfully completed the subjects listed under clause 4.1(a) or (b) in the B.Ec. or some other degree will be required to substitute for these any combination of additional subjects from 4.1(c) or 4.1(d) of at least the equivalent value.

4.5 In special circumstances, candidates may be given permission to substitute another subject for subjects listed in 4.1(a), 4.1(b) and 4.1(c) above.

5 Status, exemption and credit transfer

A candidate who has passed subjects in other educational institutions and who has not presented these subjects towards an award may, on written application to the Executive Dean, be granted such exemption from the requirements of these regulations as the Faculty shall determine. Status may be granted for a maximum of two subjects under 4.1 of the Specific Course Rules.

6 Review of academic progress

6.1 A candidate's progress shall be reviewed by the Faculty at the end of each year. If in the opinion of the Faculty, a candidate is not making satisfactory progress the Faculty may, with the consent of the Council, withdraw its approval of the candidature and the candidate shall cease to be enrolled for the degree.

7 General

7.1 A candidate's program of study must be approved by the Executive Dean of the Faculty (or nominee) at enrolment each year.

7.2 Each candidate will be required to undertake during university vacations such studies as may be prescribed.

7.3 A candidate for the degree of Doctor of Philosophy whose work is considered by the Faculty to be not of sufficient merit may be awarded the degree of Master of Applied Economics.

Syllabuses

6053 Master of Applied Economics Dissertation

16 Points semester 1 or 2

prerequisites: as approved by the Postgraduate Coordinator of Economics

Each student is to undertake an individual research project which exhibits original investigation, analysis and interpretation. Length of dissertation will be determined in conjunction with the candidate's Supervisor and the Executive Dean of Faculty.

assessment: dissertation

5625 Master of Applied Economics Dissertation (Part-time)

16 Points full year

See 6053 above for syllabus details

5895 Master of Applied Economics Project

8 Points semester 1 or 2

prerequisites: as approved by the Postgraduate Coordinator of Economics

Each student is to undertake an individual research project which exhibits original investigation, analysis and interpretation. Length of dissertation will be determined in conjunction with the candidate's Supervisor and the Executive Dean of Faculty.

assessment: project paper

8635 Master of Applied Economics Project (Part-time)

8 points full year

See 5895 above for syllabus details

Master of Applied Economics (International)

The following award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, students are advised to refer to them to gain an understanding of their rights and responsibilities with regard to course matters.

Specific Course Rules

1 Admission requirements

1.1 The Faculty may accept as a candidate for the degree any graduate who:

- (a) has qualified for the degree Bachelor of Economics of the University of Adelaide at an average equivalent to a credit or better *or*
- (b) has qualified for a degree of another university at an average equivalent to a credit or better, which degree the Faculty regards as being equivalent to the degree Bachelor of Economics of the University of Adelaide *or*
- (c) has qualified for a joint degree in Economics of the University of Adelaide or its equivalent from another university, supplemented by the satisfactory completion of bridging coursework as the Faculty may deem necessary (subjects to be specified by the Executive Dean of Faculty *or*
- (d) has qualified for a degree of the University of Adelaide or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of this University at an average equivalent to a credit or better and has obtained the approval of the Faculty. The degree need not contain a major in Economics but must be supplemented by the satisfactory completion of bridging coursework as the Faculty may deem necessary (subjects to be specified by the Executive Dean of Faculty *or*
- (e) has qualified for either of the Graduate Diplomas in Applied or International Economics from the University of Adelaide or their equivalent from another university.

1.2 The Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who, irrespective of whether or not the candidate is a university graduate, has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2 Duration of course

- 2.1 (a) Except by special permission of the Faculty, the work of the degree for a full-time candidate shall be completed in not less than three semesters and not more than six semesters from the date of candidature accepted by the Faculty.
- (b) Except by special permission of the Faculty, the work of the degree for a part-time candidate shall be completed in not less than six semesters and not more than twelve semesters from the date of candidature accepted by the Faculty.

3 Assessment and examinations

- 3.1 On completion of the work, the candidate shall lodge with the Faculty three copies of the thesis or dissertation prepared in accordance with the directions given to candidates by the Faculty.
- 3.2 Results of those who pass in any of the subjects shall be published within the following classifications: High Distinction, Distinction, Credit, Pass.
- 3.3 To satisfy the coursework component of the degree, a candidate must pass each of the prescribed subjects and obtain an average equivalent to a credit or better.
- 3.4 A candidate who has not completed satisfactorily such written and practical work as may be required shall not be permitted to present for examination or final assessment in any subject.

4 Course requirements

4.1 To qualify for the degree of Master of Applied Economics (International), the candidate shall complete satisfactorily a course of study which shall consist of subjects as follows:

- (a) **core subjects**
- | | |
|----------------------------------|---|
| 9930 Microeconomics IIID | 3 |
| <i>or</i> | |
| 4999 Applied Microeconomics IIID | 3 |
| and | |
| 8959 International Trade IIID | 3 |

and

6692 International Trade (H)	4
(b) two elective subject not previously or otherwise completed (6 points) to be chosen from the following list	
1371 Applied Econometrics IIID	3
4999 Applied Microeconomics IIID	3
3344 Econometrics IIID	3
7669 Business and Government IIID	3
6807 Development Economics IIID	3
2747 Economic Theory and the Environment IIID	3
9878 Economics of Finance IIID	3
4680 Economics of Law and Politics IIID	3
6160 International Economic History IIID	3
5633 International Finance IIID	3
8959 International Trade IIID	3
8565 Labour Economics IIID	3
4116 Macroeconomics IIID	3
4587 Public Finance IIID	3
5564 Risk Theory IIID	3
4950 Special Topics in the Economics of Finance IIID	3
Note: Level IIID subjects involve work and assessment in addition to that which is required in Level III subjects	
(c) one elective subject not previously or otherwise completed (4 points) to be chosen from the following list	
2341 Econometrics (H)	4
9712 Economic Development (H)	4
7446 Economic Growth and Agriculture (H)	4
5605 Environmental Economics (H)	4
5454 History of Economic Thought (H)	4
2683 Industrial Organisation (H)	4
6677 International Banking and Finance (H)	4
6747 International Finance (H)	4
4054 Labour Economics (H)	4
6670 Long Run Growth (H)	4
7264 Macroeconomics A (H)	4
3711 Microeconomics A (H)	4
2275 Mathematical Economics (H)	4
4761 Monetary Economics (H)	4

3393 Money (H)	4
5706 Regional Economics (H)	4
3782 Socialist Economies in Transition (H)	4
3634 Special Topics (H)	4
2652 Trade and Development (H)	4

Note: The precise number of subjects to be offered in any one year will be depend upon staff availability and student demand, and subject to such quotas as may need to be imposed.

Note: It is strongly advised that candidates include one Econometrics subject in their selection.

d) **either**

Supervised Research Program and Dissertation thereon

2478 Master of Applied Economics (International) Dissertation 16

2343 Master of Applied Economics Dissertation (International) (part-time) 16

or

(i) Project to the value of 8 points 8

plus

(ii) Two additional subjects selected from 4.1 (c) 8

or

(iii) Three additional subjects selected from 4.1(b) 9

or

(iv) Any combination of additional subjects from 4.1(b) or 4.1(c) to the value of at least 8 points 8

4.2 No candidate will be permitted to count for the Master of Applied Economics (International) degree any subject that in the opinion of the Faculty contains substantially the same material as any subjects which he or she has already presented for another qualification, other than the Graduate Certificate in Economics or International Economics or the Graduate Diploma in Economics or International Economics and then only upon their surrender prior to graduation with the Master of Applied Economics degree.

4.3 A student who has surrendered a Graduate Certificate or Graduate Diploma of Economics may count up to four subjects already presented towards the Graduate Certificate or Graduate Diploma towards the Master of Applied Economics (International), provided the results of the subjects are of a sufficiently high standard.

4.4 A candidate who has successfully completed the subjects listed under clause 4.1(a) in the B.Ec. or some other degree will be required to substitute for these any combination of additional subjects from 4.1(c) or 4.1(d) of at least the equivalent value.

4.5 In special circumstances, candidates may be given permission to substitute another subject for subjects listed in 4.1(a), 4.1(b) and 4.1(c) above.

5 Status, exemption and credit transfer

A candidate who has passed subjects in other educational institutions and who has not presented these subjects towards an award may, on written application to the Executive Dean, be granted such exemption from the requirements of these regulations as the Faculty shall determine. Status may be granted for a maximum of two subjects under 4.1 of the Specific Course Rules

6 Review of academic progress

6.1 A candidate's progress shall be reviewed by the Faculty at the end of each year. If in the opinion of the Faculty a candidate is not making satisfactory progress the Faculty may, with the consent of the Council, withdraw its approval of the candidature and the candidate shall cease to be enrolled for the degree.

7 General

7.1 A candidate's program of study must be approved by the Executive Dean (or nominee) at enrolment each year.

7.2 Each candidate will be required to undertake during university vacations such studies as may be prescribed.

7.3 A candidate for the degree of Doctor of Philosophy whose work is considered by the Faculty to be not of sufficient merit may be awarded the degree of Master of Applied Economics (International).

Syllabuses

2478 Master of Applied Economics (International) Dissertation

16 points semester 1 or 2

prerequisites: as approved by the Postgraduate Coordinator of Economics

Each student is to undertake an individual research project which exhibits original investigation, analysis and interpretation. Length of dissertation will be determined in conjunction with the candidate's Supervisor and the Executive Dean of Faculty.

assessment: dissertation

2343 Master of Applied Economics (International) Dissertation (Part-time)

16 points full year

See 2478 above for syllabus details

2226 Master of Applied Economics Project

8 points semester 1 or 2

prerequisites: as approved by the Postgraduate Coordinator of Economics

Each student is to undertake an individual research project which exhibits original investigation, analysis and interpretation. Length of dissertation will be determined in conjunction with the candidate's Supervisor and the Executive Dean of Faculty.

assessment: project paper

1195 Master of Applied Economics Project (Part-time)

8 points full year

See 2226 above for syllabus details

Master of Economics

The following award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, students are advised to refer to them to gain an understanding of their rights and responsibilities with regard to course matters.

Specific Course Rules

1 Admission requirements

- 1.1 The School may accept as a candidate for the degree any graduate who:
- (a) has qualified for the degree Bachelor of Economics with First or Second-class Honours of the University of Adelaide *or*
 - (b) has qualified for an Honours degree of another university, which degree the School regards as being equivalent to a First or Second-Class Honours degree in Economics of the University of Adelaide *or*
 - (c) has qualified for the Graduate Diploma in Advanced Economics or the Graduate Diploma in Applied Economics or the Graduate Diploma in Economics or the Graduate Diploma in International Economics of the University of Adelaide, or its equivalent from another University, at a standard deemed by the School to be sufficient for admission to the course for the degree of Master of Economics.
- 1.2 Subject to the approval of the Board of Graduate Studies, the School may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who, irrespective of whether or not the candidate is a university graduate, has given evidence satisfactory to the School of fitness to undertake work for the degree.

2 Duration of course

- 2.1 (a) Except by special permission of the School, the work of the degree for a full-time candidate shall be completed in not less than one year and not more than three years from the date of candidature accepted by the School.
- (b) Except by special permission of the School, the work of the degree for a part-time candidate shall be completed in not less than two years and not more than six years from the date of candidature accepted by the School.

3 Qualification requirements

- 3.1 A candidate may qualify for the degree by satisfactorily completing an approved program of research work on an approved topic and submitting a satisfactory thesis thereon; or
- 3.2 (a) A person who wishes to become a candidate for the degree shall apply to the Dean indicating in general terms the subject of any research work to be undertaken, and where applicable, his or her proposed course of study for examination.
- (b) If a person is accepted as a candidate for the degree, the School shall appoint a supervisor or supervisors to guide that person in his or her work.
- 3.3 (a) Each candidate shall complete a structured program of activities within the first six month from commencement of candidature.
- (b) Such activities will be determined by the School of Economics. They will include the completion and the presentation of a detailed research proposal and other courses or skills training deemed necessary by the School.
- (c) At the completion of the structured program, each candidate shall submit to the Board an outline of the proposed research in such form as the Board may prescribe.

4 Review of academic progress

- 4.1 A candidate's progress shall be reviewed by the School at the end of each academic year. If in the opinion of the School of Economics, a candidate is not making satisfactory progress the School may, with the consent of the Council, withdraw its approval of the candidature and the candidate shall cease to be enrolled for the degree.

5 Submission of thesis

- 5.1 On completion of the work, the candidate shall lodge with the Registrar, Graduate Studies, three copies of the thesis or dissertation prepared in

accordance with the directions given to candidates in the leaflet 'Guidelines on Higher Degrees by Research and Specifications for Thesis'. Refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume.

6 Examination of thesis

6.1 The School shall appoint examiners (at least one of whom is external to the University of Adelaide) to report upon the thesis. The examiners shall report to the School and may recommend:

- (a) that the thesis or dissertation be accepted as satisfactory for the purposes of 3.1 and the relevant rules, as appropriate *or*
- (b) that the thesis or dissertation be accepted as satisfactory for the purpose of 3.1 and the relevant rules, subject to specified amendments being made to the thesis *or*
- (c) that the thesis or dissertation be returned to the candidate for revision and resubmission *or*
- (d) that the thesis or dissertation be not accepted.

7 General

7.1 A candidate for the degree of Doctor of Philosophy whose work is considered by the School to be not of sufficient merit may be awarded the degree of Master of Economics.

Master of Economics (Coursework)

The following award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, students are advised to refer to them to gain an understanding of their rights and responsibilities with regard to course matters.

Specific Course Rules

1 Admission requirements

1.1 The School may accept as a candidate for the degree any graduate who:

- (a) has qualified for the degree Bachelor of Economics with First or Second-Class Honours of the University of Adelaide *or*
- (b) has qualified for an Honours degree of another university, which degree the School regards as being equivalent to a First or Second-Class Honours degree in Economics of the University of Adelaide *or*
- (c) has qualified for the Graduate Diploma in Advanced Economics or the Graduate Diploma in Applied Economics or the Graduate Diploma in Economics or the Graduate Diploma in International Economics of the University of Adelaide, or its equivalent from another University, at a standard deemed by the School to be sufficient for admission to the course for the degree of Master of Economics.

1.2 The School may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who, irrespective of whether or not the candidate is a university graduate, has given evidence satisfactory to the School of fitness to undertake work for the degree. This could include an Economics Honours student who has completed the coursework component at a high standard and wishes to present it for status in up to four subjects of the Master of Economics (Coursework).

2 Review of academic progress

A candidate's progress shall be reviewed by the School at the end of each examination period and academic year. If in the opinion of the School of Economics a candidate is not making satisfactory progress the School may, with the consent of the Council, withdraw its approval of the candidature and the candidate shall cease to be enrolled for the degree.

3 Assessment and examinations

3.1 On completion of the work, the candidate shall lodge with the School three copies of the thesis or dissertation prepared in accordance with the directions given to candidates by the School.

3.2 Results of those who pass in any of the subjects shall be published within the following classifications: High Distinction, Distinction, Credit, Pass.

3.3 To satisfy the coursework component of the degree, a candidate must pass each of the prescribed subjects and obtain an average equivalent to a credit or better.

4 Course requirements

To qualify for the degree of Master of Economics (Coursework), the candidate shall complete satisfactorily a course of study which shall comprise 36 points as follows:

- 4.1 (a) one subject each from two core fields (each at 4 point value)
 - (i) Microeconomics
 - (ii) International and Development Economics
- (b) one of the following quantitative subjects:

9952 Applied Econometrics IIIA	4
5164 Econometrics IIIA	4
2341 Econometrics (H)	4
- (c) up to three other subjects as electives.

The core and the elective subjects will be chosen from the following list.*

2341 Econometrics (H)	4
9712 Economic Development (H)	4
7446 Economic Growth and Agriculture (H)	4
8336 Economics of Public Policy (H)	4
5605 Environmental Economics (H)	4
5454 History of Economic Thought (H)	4
2683 Industrial Organisation (H)	4

6677	International Banking and Finance (H)	4
6747	International Finance (H)	4
6692	International Trade (H)	4
4054	Labour Economics (H)	4
6670	Long Run Growth (H)	4
7264	Macroeconomics A (H)	4
9752	Macroeconomics (M)	4
3711	Microeconomics A (H)	4
9233	Microeconomics (M)	4
2275	Mathematical Economics (H)	4
4761	Monetary Economics (H)	4
3393	Money (H)	4
8053	Public Economics (H)	4
5706	Regional Economics (H)	4
3782	Socialist Economies in Transition (H)	4
3634	Special Topics (H)	4
2652	Trade and Development	4
1294	Transport and Urban Economies (H)	4
(d)	Supervised Research Program and Dissertation thereon	
7845	Master of Economics Dissertation A	20
	<i>or</i>	
1367	Master of Economics Dissertation A (Part-time)	
	<i>or</i>	
3224	Master of Economics Dissertation B	16
	<i>or</i>	
6349	Master of Economics Dissertation B (Part-time)	
	<i>or</i>	
6799	Master of Economics Dissertation C	12
	<i>or</i>	
5168	Master of Economics Dissertation C (Part-time)	

Note: The precise number of subjects to be offered in any one year will be depend upon staff availability and student demand, and subject to such quotas as may need to be imposed.

4.2 No candidate will be permitted to count for the Master of Economics (Coursework) degree any subject that in the opinion of the School contains substantially the same material as any subjects which he or she has already presented for another qualification, other than the Graduate Certificates of Economics or the Graduate Diplomas of Economics and then only upon their surrender.

4.3 Where a candidate has completed coursework which has not been presented for another qualification and which is deemed by the School of Economics to be equivalent to the subjects listed under 5.1, status may be granted up to a maximum of four such subjects.

4.4 A student who has completed an Economics Honours degree may count up to four subjects (16 points) already presented towards the Honours degree towards the Master of Economics (Coursework), provided the results of the subjects are of a sufficiently high standard.

4.5 In special circumstances, candidates may be given permission to substitute another subject for subjects listed in 4.1(a), 4.1(b) and 4.1(c) above.

5 General

5.1 A candidate's program of study must be approved by the School (or nominee) at enrolment each year.

5.2 Each candidate will be required to undertake during university vacations such studies as may be prescribed.

Syllabuses

7845 Master of Economics Dissertation A

semester 1 or 2

1367 Master of Economics Dissertation A (Part-time)

full year

prerequisites: as approved by the Postgraduate Coordinator of Economics

Each student is to undertake an individual research project which exhibits original investigation analysis and interpretation. Approximate length of dissertation is 20,000 words

assessment: dissertation

3224 Master of Economics Dissertation B

semester 1 or 2

6349 Master of Economics Dissertation B (Part-time)

full year

prerequisites: as approved by the Postgraduate Coordinator of Economics

Each student is to undertake an individual research project which exhibits original investigation analysis and interpretation. Approximate length of dissertation is 16,000 words

assessment: dissertation

6799 Master of Economics Dissertation C

semester 1 or 2

5168 Master of Economics Dissertation C (Part-time)

full year

prerequisites: as approved by the Postgraduate Coordinator of Economics

Each student is to undertake an individual research project which exhibits original investigation analysis and interpretation. Approximate length of dissertation is 12,000 words

assessment: dissertation

School of Law

Website: www.law.adelaide.edu.au/

Master of Comparative Laws (Adelaide/Mannheim)

M.Comp.Law

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Doctor of Laws

LL.D.

Course Rules available from School of Law

Doctor of Philosophy

Ph.D.

Course Rules under Board of Graduate Studies — see
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Master of Comparative Laws (Adelaide/Mannheim)

A Master of Comparative Laws degree is conducted jointly by the Schools of Law at the University of Adelaide and the University of Mannheim, Germany. Enrolment is available at either University. The title of the degree for students enrolled at the University of Adelaide is "Master of Comparative Laws (Adelaide/Mannheim)" and for students enrolled at the University of Mannheim is "Master of Comparative Laws (Mannheim/Adelaide)". Subjects offered to students enrolled at each University will be offered cross-institutionally to students enrolled at the other University.

Admission as a candidate for the degree of Master of Comparative Laws is subject to a quota at each University. If the quota is filled at Mannheim but not at Adelaide, Mannheim students will be permitted to enrol at Adelaide on a fee paying basis. Any students so admitted will be permitted to undertake the dissertation at either University.

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

note: Postgraduate tuition fees apply. (Each student from Adelaide and Mannheim shall be required to pay the fees currently established at the institution where he or she is undertaking the degree. No academic fees shall be payable at the other institution.)

Specific Course Rules

1 Admission requirements

1.1 The School may accept as a candidate for the degree of Master of Comparative Laws (Adelaide/Mannheim) any person who has qualified for:

- (a) an Honours degree of Bachelor of Laws or an Ordinary degree of Bachelor of Laws with Honours of the University of Adelaide;
- (b) an Ordinary degree of Bachelor of Laws of the University of Adelaide which the School judges to have been attained at above-average standard;
- (c) an Ordinary degree of Bachelor of Laws of the University of Adelaide and who has substantial professional experience or other relevant qualifications; or
- (d) a degree in Law of another university or tertiary institution which, in the opinion of the School is equivalent to any of the degrees contained in 1.1(a) and 1.1(b) above or which, together with any professional or other relevant experience or qualification the person may have, is sufficient to satisfy the School that the person is likely to be able satisfactorily to undertake work for the degree.

1.2 The School may in appropriate cases accept, subject to the approval of the Board of Graduate Studies acting with authority wittingly devolved to it by Council, a candidate for the degree of Master of Comparative Laws who does not otherwise qualify under this Specific Course Rule but has given evidence satisfactory to the School of capacity to undertake work for the degree.

2 Course of study

- 2.1 Courses of study must be approved by the Dean of the School or a nominee at enrolment each year.
- 2.2 Candidature will commence on the first day of the semester in which the candidate's coursework begins.
- 2.3 The subjects for the degree of Master of Comparative Laws (Adelaide/Mannheim) shall be:
 - 4181 Asian Law and Society
 - 4890 Comparative Company Law (MCL)
 - 3935 Comparative Constitutional Law
 - 8164 Comparative Environmental Law (MCL)
 - 7406 Comparative Law (MCL)
 - 5663 Comparative Native Title: Australia and Canada (MCL)
 - 6431 Constitutional Law in the Asia-Pacific Region
 - 9880 International and Comparative Minerals and Energy Law
 - 5081 Islamic Law
 - 7426 Legal Aspects of Doing Business Abroad
 - 3683 Open Subject
 - 9271 Property Theory (MCL)
 - and*
 - 7772 Dissertation (Comparative)
 - or*
 - 2125 Dissertation (Comparative) (mid-year intake)

International students may, upon approval of the School, present one subject from the Bachelor of Laws or the Master of Laws by coursework.

- 2.4 The subject of a dissertation shall be approved and a supervisor appointed by the School at which the student is enrolled. A candidate shall lodge with the School Registrar two copies of a dissertation prepared in accordance with directions given to candidates from time to time.

3 Status

A candidate for the degree of Master of Comparative Laws (Adelaide/Mannheim) may apply at any time to the School for status, and the School may grant such status as it determines on account of work previously undertaken by the candidate.

4 Assessment and examinations

- 4.1 There shall be four classifications of pass in any subject of the Master of Comparative Laws (Adelaide/Mannheim) as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 4.2 Both Schools will appoint an examiner in respect of each dissertation submitted at either School. The examiners shall in each case consult together in order to determine the result of the dissertation.
- 4.3 The examiners shall report to the School and may recommend
- (a) that a dissertation is satisfactory; or
 - (b) that a dissertation be returned to the candidate for revision and resubmission; or
 - (c) that a dissertation is not satisfactory.

5 Duration of Course

- 5.1 Unless the School otherwise approves, a candidate may proceed to the degree by full-time study only.
- 5.2 Unless the School in any particular case approves an extension of time, a candidate for the degree of Master of Comparative Laws (Adelaide/Mannheim) shall complete the requirements for the degree in not less than 15 months from the date of the commencement of candidature.

6 Qualification requirements

To qualify for the degree of Master of Comparative Laws (Adelaide/Mannheim) a candidate shall:

- (a) complete satisfactorily three subjects from those listed in clause 2.3 above and ten credit hours of subjects designated as open for master's degree students by the School of Law at the University of Mannheim (each subject containing such oral examination, written examination, written paper or combination thereof as determined by the subject coordinator);
- (b) write a dissertation of between 12,000-15,000 words; and
- (c) otherwise complying with the provisions of the Specific Course Rules.

Syllabuses

4181 Asian Law and Society

This subject will analyse the concept of civil society and its relationship with legal systems in nations of East and south-east Asia. The appropriateness in Asia of models of civil society underlying Western liberal democracies will be explored as well as problems associated with using Western standards to evaluate legal change in non-Western societies. Alternative models of social regulation developed in Asia will be examined. The subject will consider these issues with reference to a number of themes, such as indigenous and minority rights, political freedoms and gender relations.

4890 Comparative Company Law (MGD)

An examination of major Australian corporate law concepts compared and contrasted to concepts in selected overseas jurisdictions. The subject aims by this comparison to facilitate a greater understanding of the efficacy of major Australian corporate law concepts. Topics to be considered will be discussed with the class before the commencement of the subject, but such topics could include: (i) the extent to which the law should distinguish between companies according to their size; (ii) corporate capacity; (iii) the role and duties of company directors and controllers; (iv) the powers of minority shareholders; (v) mechanisms providing adequate protection for creditors and employees of companies; (vi) the availability of company information to the public.

3935 Comparative Constitutional Law

This subject will explore a number of the essential features of Australian constitutional law and will compare them with the equivalent features of the constitutions of one or more other jurisdictions. In particular the subject will address the method, technique and role of the judiciary in the interpretation of the other constitutions. Other aspects that will be investigated include: the separation of powers; the executive; the legislature; the protection of fundamental rights; federalism and recent developments.

8164 Comparative Environmental Law (MGD)

An examination and evaluation on a comparative basis of the environmental laws of a number of other countries, with particular emphasis upon United States, Canadian and European Community Environmental Law (for the purpose of comparing approaches to environmental management within differing 'federal'

systems). Attention will be directed also to environmental law in developing countries, particularly in South East Asian and Pacific regions. In this context, the difficulties of introducing legally enforceable environmental management regimes in lower income countries will be a particular focus.

7406 Comparative Law (MCL)

This subject will involve a detailed analysis of the comparative method of legal scholarship and will also include an overview of the most important 'families of law' in the world. The comparative method will cover: studying foreign law in its context; the problem of language, translation and use of sources; the particular problem of comparing laws from countries with different social systems; framing questions for comparative study in the light of the social context and purpose of legal rules; the differing roles of historical, political, ideological, religious and demographic factors in different countries; and identifying factors relevant to the evaluation of solutions yielded by comparison. The discussion of the families of law will include: the grouping of legal systems into families of law; the history and important characteristics of the principle legal systems; and identifying the common core of legal systems.

5663 Comparative Native Title: Australia and Canada (MCL)

Native title has profound implications for real property law in Australia and Canada. The primary objective of this subject is to explore this statement. To do that, the subject is divided into two parts. In the first part, students will examine the range of techniques available in Australia and Canada for the recognition and protection of native title. These techniques include judicial and legislative responses, quasi-constitutional documents such as treaties, constitutional provisions which guarantee rights, and the establishment of semi-autonomous institutions for indigenous self-government. In the second part of the subject, student will identify and consider the ways in which the recognition of native title requires a reassessment of the foundations of real property law in Australia and Canada.

6431 Constitutional Law in the Asia-Pacific Region

This subject will investigate a number of constitutional systems in the Asia-Pacific region. In particular the subject will address the nature of those systems and the international influences that have been evident. Other

aspects that will be addressed include the independence of the judiciary; the relationship between the various arms of government; the process of constitutional amendment and the protection of fundamental rights.

9880 International and Comparative Minerals and Energy Law

This subject will consider from both a developmental and environmental perspective those aspects of international and comparative law which are relevant to the laws regulating the minerals and energy industries. The comparative study will pay particular attention to existing and proposed national legislation in countries of the Asia-Pacific region, although North American and European legislation will also be considered. The international study will cover a selection of the following topics: the role of international governmental organisations; dispute resolution; off-shore energy installations; international energy trade; energy installations and armed conflict; international transportation of fuel; nuclear energy treaties; and energy aspects of international environmental problems, such as acid rain, climate change and air pollution.

5081 Islamic Law

This subject is intended to examine the Islamic legal traditions and the nature of syariah, or Islamic law, its jurisprudential schools and social roles. This will involve an understanding of the historical development of syariah, as well as its contemporary place in Asian societies. Students will examine the application of syariah to substantive law in one or more Islamic nations, as well as the nature of traditional customary law or adat, its definitions, nature, functions and social roles.

7426 Legal Aspects of Doing Business Abroad

An examination of the legal problems involved in doing business with a selected number of Australia's major trading partners. This will include methods of entry into the market via distributorship agreements, licensing agreements, international joint ventures, development agreements, international loan agreements, acquisition of property and local firms. The subject will also examine selected aspects of local law, viz: Securities, Anti-trust, Products Liability, Patent and Trademark and Labour Law.

3683 Open Subject

The purpose of this subject is to enable short-term academic visitors to the Faculty of Law with an interest and experience in comparative law to offer a subject in

the area of their specialty. The content of the subject will vary from year to year. The content will be advertised by the Faculty at least three months prior to the commencement of the subject.

9271 Property Theory (MCL)

This subject considers current theories of property and their applicability to the social context, especially public spaces. The current theories of property upon which we might rely include the work of John Christman, Brendan Edgeworth, JW Harris, David Lametti, CB Macpherson, Stephen Munzer, James Penner, Margaret Jane Radin, Carol Rose, JL Schroeder, and Jeremy Waldron. Using one or more of these theories of property, we will examine the role which property--as law and as theory--plays in defining the use of public spaces by various groups, which might include, but are not limited to, residents, recreational users, the poor, the homeless, and gangs. We will develop this part of the subject using a variety of cross-cultural audio-visual and literary perspectives. Having critiqued one or more of these theories, we will develop a theory of property applicable to public spaces which draws upon property and urban planning theory. Students interested in the theory of property from a legal and philosophical perspective will find this subject stimulating.

Graduate School of Management

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Professional Certificate in Management

The program aims to equip participants with a set of skills which enable them to make strategic decisions that will enhance participants' decision-making and workplace performance. The program is presented over approximately twelve months in six two-day modules.

Modules are well spaced to ensure that participants have time to reflect, assimilate and apply their new learning through project and assignment work.

Participants' performance is assessed by way of workplace-based assessment and projects.

Upon successful completion of the program, participants who enter the Graduate Certificate in Management, Graduate Diploma of Business administration or Master of Business Administration will be granted status.

For further information please contact the Graduate School of Management

Graduate Certificate in Management

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

The Graduate School of Management offers two streams of study for the Graduate Certificate in Management. The first stream is designed for graduates without work experience. The second stream is designed for persons with work experience and may include persons with or without an undergraduate degree or equivalent.

- 1.1 The Faculty of PALACE may accept as a candidate for the Graduate Certificate persons who choose to complete through on of the two following streams

Stream 1: Any person who has qualified for a degree of the University of Adelaide or of another educational institution accepted by the Faculty for the purpose who has no relevant experience;

Stream 2:

- (a) any person who has qualified for a degree of the University of Adelaide or of another educational institution accepted by the Faculty for the purpose and who has had at least two years of work experience in business, public service or other field of employment approved by the Faculty *or*
- (b) in special cases and subject to such conditions (if any) as it may see fit to impose in each case, a person who does not hold a degree but who has had not less than seven years of executive or professional experience in business, public service or other field of employment approved by the Faculty and who has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.*

*Intending applicants for admission to the course should seek the advice of the Director of the Graduate School of Management as to the suitability of prior work experience.

- 1.2 A person who holds the Diploma in Business Management, the Graduate Diploma in Management, the Graduate Diploma of Business Administration, the degree of Master of Business Management, or the degree of Master

of Business Administration of The University of Adelaide or equivalent qualifications in business management or administration shall not be eligible for the award of the Graduate Certificate in Management.

2 Duration of course

- 2.1 The course of study for the Graduate Certificate in Management shall extend over a minimum of one trimester in the case of a full-time candidate and two trimesters for a part-time candidate.
- 2.2 Except with the permission of the Faculty, the requirements of the Graduate Certificate shall be completed by full-time candidates within one year and by part-time candidates in two years.

3 Assessment and examinations

- 3.1 The Faculty shall appoint a Committee to conduct examinations and other assessments.
- 3.2 There shall be four classifications of pass in the final assessment of any subject for the Graduate Certificate as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass. If the Pass classification be in two divisions, a pass in the higher division may be prescribed in the syllabuses as a prerequisite for admission to further studies in that subject or to other subjects.
- 3.3 A candidate who has not regularly attended the prescribed classes and has not completed satisfactorily such written and practical work as may be required shall not be permitted to present for examination or final assessment in any subject.
- 3.4 If in the opinion of the Faculty a candidate for the Graduate Certificate is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature and the candidate shall cease to be enrolled for the Graduate Certificate.

4 Subjects of study

- 4.1 To qualify for the Graduate Certificate in Management candidates must pass the following subjects:

- (a) 7168 Financial Reporting and Analysis
- 7803 Marketing Management
- 4026 Organisational Behaviour (C)

plus one subject worth three points from the Master of Business Administration program offered in the Graduate Certificate in Management or Graduate Diploma of Business Administration timetables in a given calendar year *or*

- (b) four subjects, of which not less than three are drawn from Section 4.1 (a) compulsory core subjects and not more than one is drawn from Section 4.1 (c) elective subjects of the Specific Course Rules for the Degree of Master of Business Administration, to a combined total of 12 points, as approved by the Director (or nominee) of the Graduate School of Management.

5 Status, exemption and credit transfer

- 5.1** No candidate will be permitted to count for the Certificate any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another qualification.
- 5.2** The Faculty may grant status as it may determine for students who have passed subjects in graduate management degree courses or their equivalent.

Syllabuses

See Graduate Diploma of Business Administration for syllabus details

Graduate Diploma of Business Administration

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 The Faculty of PALACE may accept as a candidate for the Graduate Diploma:

- (a) any person who has qualified for a degree of The University of Adelaide or of another educational institution accepted by the Faculty for the purpose and who has had not less than two years of executive or professional experience in business, public service or other field of employment approved by the Faculty *or*
- (b) any person who has qualified for the Graduate Certificate in Management of the Graduate School of Management at the University of Adelaide or an equivalent qualification from another education institution accepted by the Faculty.

1.2 The Faculty of PALACE may accept as a candidate for the Graduate Diploma any person who holds the Graduate Certificate in Management of The University of Adelaide or of another tertiary institution accepted by the Faculty for the purpose provided that any person who holds the Graduate Certificate in Management of The University of Adelaide surrenders the Graduate Certificate before being awarded the Graduate Diploma.

2 Duration of course

2.1 The course of study for the Graduate Diploma in Management shall extend over a minimum of two trimesters in the case of full-time study or four trimesters of part-time study.

2.2 Except with the permission of the Faculty, and subject to 2.3 below, the requirements of the Graduate Diploma shall be completed within three years.

2.3 A candidate whose candidature is interrupted may re-enrol only with the approval of the Faculty and under such conditions as the Faculty may impose in each case. Approval must be sought in advance for any proposed interruption.

3 Assessment and examinations

3.1 There shall be four classifications of pass in the final assessment of any subject for the Graduate Diploma as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass. If the Pass classification be in two divisions, a pass in the higher division may be prescribed in the syllabuses as a prerequisite for admission to further studies in that subject or to other subjects.

3.2 A candidate shall pass in each of the prescribed subjects and shall obtain an overall average equivalent to Pass Division I or better.

3.3 The Faculty shall appoint a Committee to conduct examinations and other assessments.

3.4 A candidate who has not regularly attended the prescribed classes or who has not completed satisfactorily such written and practical work as may be required shall not be permitted to present for examination or final assessment in any subject.

3.5 If in the opinion of the Faculty a candidate for the Graduate Diploma is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature and the candidate shall cease to be enrolled for the Graduate Diploma.

4 Subjects of study

4.1 To qualify for the Graduate Diploma of Business Administration candidates must pass subjects with a combined total of 24 points selected from the following:

- (a) Compulsory subjects
(six subjects to a total of 18 points must be taken)
- | | | |
|------|------------------------------------|---|
| 2432 | Economics for Managers | 3 |
| 7168 | Financial Reporting and Analysis | 3 |
| 6819 | Managing Human Resources | 3 |
| 7803 | Marketing Management | 3 |
| 4026 | Organisational Behaviour (C) | 3 |
| 8696 | Quantitative Analysis for Managers | 3 |

- (b) Elective subjects
(two subjects to a total of 6 points must be taken)

5226 Finance for Managers 3

7742 International Business
Management 3

7650 Law for Managers 3

8966 Managerial Accounting (GDBA) 3

or

an additional two subjects to a total of 6 points drawn from 4.1 (c) elective subjects of the Specific Course Rules for the Degree of Master of Business Administration; *or*

- (c) eight subjects, of which not less than six are drawn from Section 4.1 (a) compulsory core subjects and not more than two are drawn from Section 4.1 (c) elective subjects of the Specific Course Rules for the Degree of Master of Business Administration.

5 Status, exemption and credit transfer

- 5.1** No candidate will be permitted to count for the Graduate Diploma any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another qualification.
- 5.2** The Faculty may grant status as it may determine for subjects passed in postgraduate management degree courses at The University of Adelaide or other tertiary institutions, or their equivalent.

Syllabuses

assessment

For each subject candidates will be supplied by the lecturer concerned with details of the assessment in that subject including the relative weight given to the components (for example, tests, essays or other written or practical work, final written examinations, project reports, *viva voce* tests or examinations).

timetable

The course program timetable will be made available to candidates before the commencement of the course.

Compulsory subjects

2432 Economics for Managers

3 points semesters 1 or 2
4 hours per fortnight

Whilst this subject is a foundation for studies in accounting, finance and management, it goes well beyond this support role for other subjects. It draws on economic theory and analysis to provide an understanding of the framework of business and business opportunities. Through a practical and pragmatic approach to policy issues, the subject develops the policy and strategic aspects of business management.

Participants will develop an understanding of the dynamics of market behaviour; the implications of various forms of corporate regulation such as the Trade Practices Act; the impact of macroeconomic policies such as national competition; and the impact of a changing world economic environment. These areas will be examined both in terms of their effect on the economy in general and upon the context and possibilities of individual businesses.

assessment: written assignments, exams

7168 Financial Reporting and Analysis

3 points semester 1 or 2
4 hours per fortnight

restrictions: 6811 Managerial Accounting (C); 1229 Managerial Account, 4496 Financial Accounting and Analysis

This subject aims to develop the student's ability to understand and make use of financial information - the cornerstone of business strategy and business decision making in all its forms. It will help students to understand the concepts and be aware of the major requirements impacting upon the preparation of conventional financial statements: analyse and interpret

information contained in those statements, with particular emphasis on using ratio analysis and cash flow analysis; and recognise the alternative valuation models which can be used to overcome some of the limitations of conventional financial statements and be aware of valuation problems inherent in accounting information. Case studies will be used extensively.

assessment: learning reviews, application project, exam

6819 Managing Human Resources

3 points semester 1 or 2
4 hours per fortnight

prerequisites: 5367 Organisational Behaviour or 4026 Organisational Behaviour (C)

restrictions: 4061 Human Resource Management (C) ; 5356 Human Resource Management

This subject takes a general management or strategic approach to the management of the workforce. It will examine factors external to the organisation which shape decisions about the management of people and the policy choices available to managers in particular enterprises. The outcomes of these decisions and their relationship to organisational objectives will be a theme of the course.

assessment: learning reviews, application project, exam

7803 Marketing Management

3 points semester 1 or 2
4 hours per fortnight

restrictions: 4865 Marketing Principles (C); 9408 Marketing Principles

This subject introduces students to marketing as an integrative management function which draws together the activities of every area of an organisation concerned with the planning, development, distribution and promotion of products and services. This is done within the context of an organisation's strategic objectives, but emphasises the role of marketing management as a key element of strategic planning. The subject covers marketing research, buyer behaviour, product planning marketing, planning, pricing and distribution, focussing on the management of these elements within an overall and integrated marketing strategy. Emphasis is placed on the management decision process, particularly through the use of case studies which involve students in the complexities, ambiguities and organisational-wide dimensions of marketing management.

assessment: learning reviews, application project, exam

4026 Organisational Behaviour (C)

3 points
semesters 1 or 2
4 hours per fortnight

This subject is designed to give the student both a knowledge and experiential base for understanding organisational behaviour and organisation theory. These skills will be acquired through participation in an organisational simulation, lecture/discussion, experiential exercises, journal writing, consultations with the Professor and group presentation/projects.

assessment: written assignments, exams

8696 Quantitative Analysis for Managers

3 points
semesters 1 or 2
4 hours per fortnight

The emphasis of this subject is on the conceptual framework for the formulation of problems and their quantitative analysis using computer software packages. Through practical business applications, students will correctly formulate problems and develop the analytical skills necessary to an understanding of the crucial elements of their business. These elements can then be analysed using linear programming by way of sophisticated computer programs now available.

assessment: small projects; 2 large projects

Elective subjects

5526 Finance for Managers

3 points
semesters 1 or 2
4 hours per fortnight

This subject will enable participants to understand modern financial techniques underpinning investment, financing and dividend decisions in the context of the Australian financial framework. It will include a thorough examination of the Australian capital market and the debt and equity products which are available, as well as an examination of the relevance of international finance markets to the local scene. In addition the subject will cover financial mathematics and investment analysis tools and techniques, as well as issues such as optimal capital structure and dividend policy.

assessment: written assignments, class tests, exams

7742 International Business Management

3 points
semesters 1 or 2
4 hours per fortnight

This subject provides an overview of the economic and cultural frameworks within which international business have to operate. It seeks to develop ability to analyse international business opportunities from a

strategic perspective and to provide participants with the knowledge and skills to manage business in a foreign business environment.

The subject will assist you to understand the nature and scope of international business and to establish an appreciation for the institutional and cultural complexity of the global market place; analyse global market strategies and organisational structures that have evolved to effect international business and to formulate appropriate strategy, being mindful that strategy is firm specific; investigate international business operations and understand how specific firms perform the key functions of business in a global marketplace. A feature of this subject is its consideration of the firm in the context of its environment and the use of case studies.

assessment: written assignments, exams

7650 Law for Managers

3 points
semesters 1 or 2
4 hours per fortnight

This subject provides participants with an overview of relevant areas of law which should enable them to recognise the more important legal issues likely to affect their day-to-day activities. The areas of law dealt with include the legal process, including alternative dispute resolution mechanisms; law of contract and agency; consumer and marketing law; law of tort with a particular emphasis upon negligence, product liability and workplace injury; property, particularly intellectual property; employment law, legal with an emphasis upon corporations, partnership and joint ventures, and fiduciary responsibilities; and administrative law.

Throughout the subject the emphasis is upon management and helping to develop a management process which is able to harness legal knowledge to the advantage of business activity.

assessment: seminar paper, presentation, group paper presentation, class contribution and participation

8966 Managerial Accounting (GDBA)

3 points
semesters 1 or 2
4 hours per fortnight

This subject emphasises the internal use of both financial and non-financial information and its application to costing, accountability and budgeting decisions. Participants will be introduced to models of costing, budgeting and decision analysis which are instrumental to the effective use of accounting information and which are crucial at the strategic planning level. The subject will provide an insight into

the conceptual framework of accounting from a management rather than an external reporting perspective. it will cover the most contemporary techniques of obtaining and analysing management accounting information, including activity based costing and activity based management.

assessment: two case studies, exams

Master of Business Administration

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 The Faculty of PALACE may accept as a candidate for the degree any person who has qualified for a degree of the University of Adelaide or of another educational institution accepted by the Faculty for the purpose and who has had at least two years' experience in business, public service or other field of employment approved by the Faculty of PALACE and who has satisfied such other tests as the Faculty, subject to the approval of the Council, may prescribe.
- 1.2 Subject to the approval of the Board of Graduate Studies, acting with authority wittingly devolved to it by the Council, the Council may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not hold a degree but has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.
- 1.3 A candidate who has been enrolled for the Graduate Certificate or Graduate Diploma and who as such a candidate has not been awarded the Graduate Certificate or Graduate Diploma shall, on written application to the Registrar (or nominee), be permitted to transfer all equivalent subjects completed towards the Graduate Certificate or Graduate Diploma towards the Master of Business Administration degree.
- 1.4 A candidate who holds the Diploma of Business Management, the Graduate Diploma of Business Administration or the Graduate Diploma in Management (or the Graduate Certificate in Management) from The University of Adelaide shall surrender Diploma, Graduate Diploma or Certificate before being admitted to the degree.

2 Duration of course

- 2.1 The course of study for the degree of Master of Business Administration shall extend over a minimum of four trimesters in the case of a full-time candidate and eight trimesters for a part-time candidate. The academic year consists of three 13-week trimesters. Trimester one commences on the first Monday in February. There is a two-week break after each of the first

two trimesters and a break of at least seven weeks after the third trimester.

- 2.2 Except with the permission of the Faculty, and subject to 2.3 below, the requirements of the degree shall be completed within six years.
- 2.3 A candidate whose candidature is interrupted may re-enrol only with the approval of the Faculty and under such conditions as the Faculty may impose in each case. Approval should be sought in advance for any proposed interruption.

3 Assessment and examinations

- 3.1 There shall be four classifications of pass in the final assessment of any subject for the Master of Business Administration as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass. If the Pass classification be in two divisions, a pass in the higher division may be prescribed in the syllabuses as a prerequisite for admission to further studies in that subject or to other subjects.
- 3.2 A candidate shall pass in each of the prescribed subjects and shall attain an overall average equivalent to a Pass Division I or better.
- 3.3 The Faculty of PALACE shall appoint a Committee to conduct examinations and other assessments.
- 3.4 A candidate who has not regularly attended the prescribed classes and has not completed satisfactorily such written and practical work as may be required shall not be permitted to present for examination or final assessment in any subject.
- 3.5 If in the opinion of the Faculty of PALACE a candidate for the degree is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature and the candidate shall cease to be enrolled for the degree.

4 Subjects of study

- 4.1 To qualify for the Master of Business Administration, candidates must pass subjects with a combined total of 48 points drawn from the following areas:

(a)	compulsory core subjects (nine subjects to a total of 27 points must be taken)	
	3564 Business Law	3
	2697 Economics for Management	3
	4496 Financial Accounting and Analysis	3
	5356 Human Resource Management	3
	1426 Management Accounting and Analysis	3
	9684 Managerial Finance	3
	9408 Marketing Principles	3
	5367 Organisational Behaviour	3
	1348 Quantitative Methods	3
(b)	compulsory Integrative subjects (two subjects to a total of 6 points must be taken)	
	6055 Corporate Strategy	3
	6410 Strategic Management (GSM)	3
(c)	elective subjects (elective subjects to a total of fifteen points must be taken from the list of elective subjects available)	
	8143 Advanced Managerial Finance	3
	8529 Business Marketing	3
	4025 Company Failure and Renewal	3
	8261 Economic Systems in Asia	3
	1262 Entrepreneurship	3
	1985 Industry Economics	3
	9363 International Business	3
	7587 International Financial Management	3
	1568 International Management Behaviour	3
	6005 International Marketing	3
	2840 Interpersonal Skills	3
	7958 Japanese Government and Business Organisation	3
	9699 Management and Information Systems	3
	8745 Management and Strategic Control	3
	5876 Management of Change	3
	9650 Management Project	3
	2387 Managerial Leadership	3
	2589 Managing Business in the Asia-Pacific	3

1579	Managing Quality and Productivity	3
2131	Managing Technology and Innovation	3
4705	Operations Management (GSM)	3
5939	Project Management (GSM)	3
2015	Public Sector Management	3
6072	Quantitative Decision Making	3
6461	Services Marketing	3
1923	Supervised Research Project (1)	6
	<i>or</i>	
7938	Supervised Research Project (3)	6
5090	The Learning Organisation	3
9328	Topics in Business Law	3
4405	Topics in Finance	3
6962	Topics in Marketing	3
9972	Workplace Relations	3

4.2 A candidate's program of study must be approved by the Dean (or nominee) at enrolment each year.

4.3 Each candidate will be required to undertake during university vacations such studies as may be prescribed by the Director of the Graduate School of Management.

5 Status, exemption and credit transfer

5.1 No candidate will be permitted to count for the Degree any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another qualification

5.2 Status will only be granted for students who have passed subjects for the Graduate Certificate in Management or the Graduate Diploma of Business Administration or their equivalents. The Faculty may, in appropriate circumstances, allow a candidate to substitute an elective subject (or subjects) for one or more of the compulsory subjects listed in groups(a) and (b) of 4.1 above.

note: not forming part of the Specific Course Rules:

All students enrolled prior to 1996 will be permitted to choose to undertake: 1923 Supervised Research Project (1) **or** 7938 Supervised Research Project (3) (previously called 1923 Supervised Project Work (1) **or** 7938 Supervised Project Work (3)) **or** two electives in lieu of either 1923 or 7938.

Students enrolled prior to 1996 must also, in addition to satisfactorily completing the Supervised Research Project or two electives in lieu of the Project, satisfactorily complete 8 Compulsory Core subjects, one Compulsory Integrative subject and five Elective subjects.

This note will be in effect from 1 January 1996 to the end of Trimester 2, 2005.

Syllabuses

assessment

For each subject students may obtain from the lecturer concerned details of the assessment in that subject including the relative weights given to the components (eg, such of the following as are relevant; assessments, semester test, essays or other written or practical work, final written examinations, *viva voce* examinations).

compulsory core subjects

3564 Business Law

3 points trimester 2 or 3
3 hour seminar each week

This subject will provide students with an introduction to a variety of commercial legal topics relevant to managers. Topics canvassed include the Australian legal system; contract law, partnership and agency law, corporations law with particular focus on directors' and managers' duties; the law of trusts from a commercial perspective; the law of torts with a focus upon professional negligence; consumer protection laws; management and occupational health and safety issues; employment contracts and unfair dismissal; intellectual property; business ethics and corporate social responsibility and international business law.

assessment: major assignment, seminar paper and presentation, class participation, group presentation

2697 Economics for Management

3 points trimester 1 or 2
3 hour seminar each week

An introduction to the basic principles of modern economic theory. The first section deals with price-output decisions by firms in markets characterised by perfect competition, monopoly and oligopoly. The second half deals with the theory of the determinations of the aggregate level of output and employment and the basis for macroeconomic policy. Topics include inflation, interest rates and foreign trade.

assessment: written assignments, exam

4496 Financial Accounting and Analysis

3 points trimester 1 or 3
3 hour seminar each week

restrictions: 1229 Managerial Accounting

This subject has been designed for those with no prior knowledge of accounting. The first weeks are concerned with the basic principles and processes in accounting. The aim is not to make students into

accountants - this would take a few years - but to teach students enough accounting to enable them to read and interpret accounting reports in a meaningful way to assist in making financial decisions. These are some of the most important skills for management and time will be spent developing a high level of skill.

assessment: written assignments, class test; exam

5356 Human Resource Management

3 points trimester 1 or 2
3 hour seminar each week

prerequisite: 5367 Organisational Behaviour

This subject takes a general management or strategic approach to the management of the workforce. It will examine factors external to the organisation which shape decisions about the management of people, and the policy choices available to managers in particular enterprises. The outcomes of these decisions and their relationship to organisational objectives will be a theme of the course.

assessment: written assignment, case studies; presentations

1426 Management Accounting and Analysis

3 points trimester 2 or 3
3 hour seminar each week

prerequisite: 4496 Financial Accounting and Analysis or 1229 Managerial Accounting

restrictions: 1215 Management Control Systems in 1996

An overview of management accounting, costing systems, information for planning and control and for management decisions. The subject covers both conventional approaches and contemporary developments. Topics include cost behaviour, conventional costing, activity-based costing, life cycle costing, target costing, budgeting, standard costing, performance measurement, transfer pricing, cost volume, profit analysis, pricing and managing inventory and quality.

assessment: case study, presentation on set problems, class test, final exam

9684 Managerial Finance

3 points trimester 1 or 2
3 hour seminar each week

prerequisite: 1229 Managerial Accounting or 4496 Financial Accounting and Analysis

The subject considers the financial decisions of business enterprises. Topics to be covered include a consideration of the goals of the firm and the investor, valuation models, capital budgeting, risk, capital structure and dividend policy, long term and short term financing sources and policies.

assessment: written assignment, class test; exam

9408 Marketing Principles

3 points trimester 1 or 3
3 hour seminar each week

This subject introduces both the overall purpose of marketing and the fundamentals of each major marketing task. These include customer analysis, market evaluation, some analysis of buyer behaviour and the role of market information, together with the specific marketing responsibilities in product, pricing, distribution and marketplace decisions.

assessment: written assignment, presentation; exam

5367 Organisational Behaviour

3 points trimester 1 or 3
3 hour seminar each week

this subject aims to provide tools for managers to analyse and manage employee behaviour effectively. As such, a management perspective will be adopted in the study of human behaviour in the workplace at individual, group and organisational levels. The subject will also have strong strategic and international themes to enhance its relevance to the prevailing business environment.

assessment: learning reviews, application project, exam

1348 Quantitative Methods

3 points trimester 1 or 3
3 hour seminar each week

This subject covers the techniques of business decision-making and forecasting. Topics include basic probability; the normal and student-t distributions, expected values and decision analysis, tests of independence, analysis of variance, regression, and time series. The emphasis is on learning by problem-solving and so a significant amount of class time is devoted to working through problem sets to aid understanding.

assessment: short test, assignment; exam

compulsory integrative subjects

6055 Corporate Strategy

3 points trimester 1 or 3
3 hour seminar each week

prerequisite: all compulsory core subjects

An integrative study of strategic management, building on the concepts introduced in 6309 Business Policy and 6410 Strategic Management (GSM) and on knowledge acquired from previous studies in the disciplinary and functional areas of management. Topics covered include diversification strategies, acquisition and divestiture, strategy implementation, relating corporate structure to strategy, systems and corporate culture, the role of top management and the chief executive.

assessment: written analyses, executive summaries; workshop participation, case leadership

6410 Strategic Management (GSM)

3 points trimester 2 or 3
3 hour seminar each week

prerequisite: 2697 Economics for Management; 9408 Marketing Principles; 1229 Managerial Accounting or 4496 Financial Accounting and Analysis; 5367 Organisational Behaviour

restrictions: 6309 Business Policy

This subject presents a unified way of thinking about the issues of strategic choice and the management of change. Strategic choice involves searching for a favourable and sustainable, competitive position in an attractive industry; while the management of change, from a strategic perspective, is concerned with innovation and the transformation of resources and skills into strategic capabilities that provide the bases for sustainable advantages.

assessment: learning reviews, application project; exam

elective subjects

8143 Advanced Managerial Finance

3 points trimester 3
3 hour seminar each week

prerequisites: 9684 Managerial Finance

This subject extends the range of topics, complexity of analysis, of the material covered in 9684 Managerial Finance. Topics to be covered include financial analysis, financial planning, current asset management, leasing, futures markets, long term financing, mergers and acquisitions, international finance and risk management.

assessment: written analyses, syndicate presentation

8529 Business Marketing

3 points trimester 3

3 hour seminar each week

prerequisite: 9408 Marketing Principles

This subject relates to the marketing of goods and services to other organisations, as opposed to consumers of households. Relevant work will be drawn from organisational buying behaviour, strategic management and the behavioural sciences to provide managerial insights concerning business marketing management decision making.

assessment: case study report, exercises, group project

4025 Company Failure and Renewal

3 points trimester 3

prerequisite: 4496 Financial Accounting and Analysis

This subject should create an awareness of the reasons why organisations experience crises and what might be done to identify problems, to avoid potential failure and to transform the organisation to enable it to succeed in the future. The symptoms and causes of failure will be examined in depth, as well as the techniques, both quantitative and qualitative, that may be used to identify the onset of difficulties as early as possible. In particular, the following issues will be addressed: what failure means; how it is caused; how its approach can be identified from within the organisation; the process of organisational decline; how failure in companies may be predicted from their financial reports; how cultural differences can influence failure; what can be learnt from past collapses; insolvency law and how it affects companies and those who manage them; opportunities and strategies for business revival; whether there might be a new beginning for businesses after failure; strategies for turnaround; cases related to failure and turnaround.

assessment: to be advised

8261 Economic Systems in Asia

3 points trimester 3

3 hour seminar each week

restrictions: 5179 Business in Asia

An introduction to the economics, politics, business culture, organisations and practices of Australia's major trading partners in the Asia Pacific region. Five countries will be selected for examination out of Indonesia, Malaysia, Singapore, Taiwan, Thailand, Vietnam, the Philippines, China, Korea and Japan. If time permits, issues of economic development and entrepreneurial activities in the former USSR, USA and overseas Chinese communities will be discussed.

assessment: class presentation, class participation, essay

1262 Entrepreneurship

3 points trimester 2

prerequisite: 4496 Financial Accounting and Analysis

Entrepreneurship is increasingly recognised as an important driving force in the economic development and prosperity of a community. While broader issues of entrepreneurship are covered, the course focuses on entrepreneurship in new venture creation, identifying opportunities, business planning for a new venture, obtaining venture capital, growth, technological innovation, harvesting wealth and coping with failure and bankruptcy.

assessment: to be advised

1985 Industry Economics

3 points not offered in 2000

3 hour seminar each week

prerequisite: 2697 Economics for Management

This subject will consider the firm and its competitive environment. Topics covered will include: the concept of competition and the need for government intervention in markets; oligopoly theory and the goals of the firm; the economic definition of markets; market structure concentration, economies of scale, product differentiation; market conduct pricing, output policy, diversification, mergers, advertising, research and development, restrictive trade practices; market performance; trade practices legislation and enforcement in Australia. The course will emphasise the application of economics to sections 45-50 of the Trade Practices Act.

assessment: written assignments, class presentation, class participation

9363 International Business

3 points trimester 3

3 hour seminar each week

prerequisites: 6309 Business Policy or 6410 Strategic Management (GSM)

This subject builds on participants' knowledge of cross-border business activity by giving more detailed attention to international business competitiveness; the ways in which companies organise themselves for cross-border business and the need to adjust to diverse business environments. International business is looked at from three perspectives: that of public policy makers, that of the CEO of a global business and that of middle managers facing practical problems overseas. The focus is on managing in culturally and competitively diverse markets.

assessment: case evaluations written assignments, exam

7587 International Financial Management

3 points trimester 1

3 hour seminar each week

prerequisite: 8143 Advanced Managerial Finance

Examines the international financial and investment environment particularly determination and management of currency exchange rates, foreign exchange markets, foreign exchange risk management, multinational working capital management, overseas investment analysis including ownership options, financing of overseas operations, tax and accounting implications of international investments, treasury management, and international capital markets.

assessment: written assignments, class presentations

1568 International Management Behaviour

3 points not offered in 2000

3 hour seminar each week

prerequisites: 5356 Human Resource Management

This subject provides an overview of the cross-cultural and human resource issues associated with managing a multinational corporation. Topics covered include methodological and research issues in international management and the impact of culture on management; international negotiations; managing political risk; international human resource management; organisational structure of the MNC; and MNC-host government relations. Management practices in various countries will also be examined.

assessment: written assignments, class presentations, case study; exam

6005 International Marketing

3 points trimester 1

3 hour seminar each week

prerequisite: 9408 Marketing Principles

This subject builds on 9408 Marketing Principles through an examination and analysis of exporting by medium and small companies, and international marketing by multinationals with production facilities in more than one country. Major elements are the 'globalisation' of contemporary business, joint ventures and strategic alliances, and Japanese business thinking.

assessment: case study analyses, class presentation

2840 Interpersonal Skills

3 points trimester 2

3 hour seminar each week

prerequisites: 5356 Human Resource Management

The aim of this subject is to develop practical management and leadership skills, using an approach and methods applicable across a wide range of interpersonal contexts. Course methods will include lecture inputs, case exercises and syndicate analysis and discussion, and will also include experiential learning methods, such as the recording and analysis of video simulations. Topics include impression management, behaviour flexibility, interaction styles, selection interviewing, appraising and counselling, committee and team skills, and presentation skills. The session/s devoted to presentation skills will also contribute towards candidate assessment.

assessment: self assessment, class presentation; research essay

7958 Japanese Government and Business Organisation

3 points not offered in 2000

3 hour seminar each week

prerequisites: 2697 Economics for Management

Topics include overviews of competing images of Japan's economic systems and the society; employment systems; how competitive is the economy?-the concept and practice of 'competition'; the role of the State and the forms of economic planning; equality; welfare and social division; and the future prospect.

assessment: class presentations, written assignments

9699 Management and Information Systems

3 points not offered in 2000

3 hour seminar each week

An introduction to methods for analysis, design, management and audit of systems for the provision of management information. Emphasis will be given to systems for improving management performance. The course will not deal with routine data processing methods, except in a management context.

No computer using or programming skills are required.

assessment: class presentation, management summaries

8745 Management and Strategic Control

3 points not offered in 2000

3 hour seminar each week

prerequisites: 1426 Management Accounting and Analysis or 1229 Managerial Accounting; 1348 Quantitative Methods

restrictions: 1215 Management Control Systems prior to 1996

assumed knowledge: 6309 Business Policy or 6410 Strategic Management (GSM)

This subject will examine a number of management control systems within a broad conceptual framework of what constitutes effective management. Whilst the emphasis will be placed primarily on financial and cost controls (i.e. standard costing, budgetary control, divisional performance measurement, transfer pricing etc), the systems studied may also include purchasing, manufacturing, inventory, distribution and marketing controls. Some consideration will be given to the behavioural implications of control systems.

assessment: case summaries, student presentation

5876 Management of Change

3 points trimester 2

3 hour seminar each week

prerequisite: 5367 Organisational Behaviour and 5356 Human Resource Management

This subject examines the changing environment in which organisations operate and how managers might utilise this change. The role of the manager in managing change, both planned and unplanned, is a focus of the subject. Theories of change, how individuals are affected by and can influence change will provide the theoretical foundations for this analysis. Students will also develop an understanding of change as it occurs at the individual group and organisational level.

assessment: to be advised

9650 Management Project

3 points trimester 1, 2, 3

5 compulsory research methodology sessions

This subject draws on the work undertaken in the required core subjects and builds on the analytical skills developed in the integrative subjects. It provides an opportunity for students to complete an applied project based on a management problem or issue. Each student will undertake an individual program of activities leading to a case or project report. Common

classes will be conducted on issues such as data collection methodologies and the use of evidence to support project recommendations.

Students may choose either a case study project which analyses a real-world management problem or a project which undertakes the investigation of a particular problem or issue and makes relevant recommendations. The written report will contain findings, analysis and recommendations on the problem under investigation. Where a student chooses to write a management case study for assessment, the final report will consist of a written case together with separate analysis.

assessment: to be advised

2387 Managerial Leadership

3 points trimester 3

prerequisite: 5367 Organisational Behaviour

This subject looks at the issues and challenges facing organisational leaders in a global context of constant change. It will explore and analyse the theory and research relating to leadership and its application. The course will explore leadership in the context of intelligence, change, gender, learning, creativity and vision, values and ethics. The course will challenge students to analyse their own leadership style and the application of leadership in their current and/or future work life.

assessment: to be advised

2589 Managing Business in the Asia-Pacific

3 points trimester 3

3 hour seminar each week

prerequisites: 6410 Strategic Management (GSM) or 6309 Business Policy

This subject uses the concept of competitiveness to compare business and management practices in major economies in the Asia Pacific and Australia. The focus is on industrial and institutional environment that may synergise with the internal competencies of enterprises to produce international competitiveness. Specific tools for assessing competitiveness and for enhancing cultural awareness will be introduced.

assessment: essay; case study, country analysis

1579 Managing Quality and Productivity

3 points trimester 3

3 hour seminar each week

prerequisite: 1348 Quantitative Methods and 6309 Business Policy or 6410 Strategic Management (GSM)

The subject focuses on the major management and leadership philosophies underlying the practice of total quality management in manufacturing and service organisations. Topics covered include: the history, principles and issues associated with total quality management; the role of standards, quality assurance and benchmarking; quantitative analysis in total quality management; business process analysis and re-engineering; the management of variations; team based approaches to problem solving and quality improvements; and the philosophy of continuous improvement.

assessment: group projects, written assignments

2131 Managing Technology and Innovation

3 points not offered in 2000

3 hour seminar each week

prerequisites: 6410 Strategic Management (GSM) or 6309 Business Policy

This subject presents an integrated perspective for managers at the product line, business unit and corporate levels. It takes students through evolutionary theories of technology, strategy and organisation that have become prominent over the past few decades. The subject incorporates concepts and theories, both current and emerging, to enable the student to develop a broad understanding of the issues to integrate technology with the firm's strategy and its capacity for innovation. It provides tools for examining the links between the firm's resources and capabilities and for auditing the firm's propensity for innovation.

assessment: learning reviews, application project, exam

4705 Operations Management (GSM)

3 points trimester 1

3 hour seminar each week

prerequisites: 1348 Quantitative Methods; 6309 Business Policy or 6410 Strategic Management (GSM)

This subject examines the role of the Operations Manager and addresses both traditional and contemporary issues involved in the effective management of operations. Topics covered include the traditional areas of operations strategy, operations analysis and systems design, the management of materials flow and inventories, production planning

and control. Contemporary issues include total quality management and the management of quality, benchmarking, technology, maintenance management, the changing views of workforce management and productivity, the linkages between business strategy, marketing and operations, and operations as a source of competitive advantage.

assessment: written case analysis, syndicate projects

5939 Project Management (GSM)

3 points trimester 1

3 hour seminar each week

prerequisites: 1229 Managerial Accounting or 4496 Financial Accounting and Analysis; 9684 Managerial Finance; 5397 Organisational Behaviour

This subject investigates the increasing use of projects to accomplish limited duration tasks in many organisations and the unique style of administration required to manage them. Projects considered include R and D studies, campaigns, construction, emergency operations and other such endeavours. Topics include the selection of projects, creativity and technological forecasting, the role of the project manager, how to organise and plan a project, negotiation and conflict resolution, budgeting and cost estimation, project scheduling (PERT/CPM) and resource location among multiple projects, project monitoring and information systems (including project management software), controlling projects, auditing projects, ways of terminating projects and running projects in multicultural settings.

assessment: class participation, project report; exam

2015 Public Sector Management

3 points trimester 2

3 hour seminar each week

This subject will acquaint students with the special and unique characteristics of management in the public sector, and the key issues facing public sector managers. Topics to be covered may include the interaction of public sector organisations and the political process; the opportunity for strategic planning; the machinery of government; public finance and resource allocation; the management of human resources in the public sector; accountability; service delivery; the organisation of public commercial activities.

assessment: to be advised

6072 Quantitative Decision Making

3 points not offered in 2000

3 hour seminar each week

prerequisite: 1348 Quantitative Methods

This subject provides an introduction to and practice in the use of methods for quantitative decision making such as forecasting and statistical decision analysis, computer simulation, production systems, including TQM and JIT expert systems, non-linear optimisation, and large scale model building.

The elective does not require mathematical or computer programming skills, although some familiarity would be an advantage. It will involve computer use.

assessment: to be advised

6461 Services Marketing

3 points not offered in 2000

3 hour seminar each week

prerequisites: 9408 Marketing Principles

This subject is designed to provide the student with an understanding of the key concepts that lead to the effective marketing of services and to develop skills in preparing a service marketing plan. To accomplish this, the course uses a combination of lectures, class participation, case discussions, and a group project. A major component is the services marketing project which provides students with the opportunity to prepare a marketing plan for a new or existing service.

assessment: written assignments, class participation, project, final exam

1923 Supervised Research Project (1)

3 points consecutively over trimesters 1 & 2

7938 Supervised Research Project (3)

3 points consecutively over trimester 3 & trimester 1 (of following year)

prerequisite: all compulsory core subjects and compulsory integrative subjects

Towards the end of their MBA studies, students may choose to undertake a significant, research-based project under the supervision of a member of the teaching staff of the School. Work undertaken for the project is submitted in the form of a thesis and assessed as equivalent to two subjects. The project provides an opportunity to undertake detailed work in an area of personal interest and improve skills in research, critical analysis and report writing. The subject which is undertaken with the guidance of a project supervisor, requires preparation of a project proposal, participation

in a series of research methodology seminars and the submission of draft and final project reports by specific dates. Each Project is marked by two members of academic staff.

assessment: written thesis

5090 The Learning Organisation

3 points not offered in 2000

The objectives of this subject are: 1 - to realise that there are forces that are reshaping workplaces and pressing managers to consider the role of learning in organisations; 2 - to realise that learning occurs and may be analysed in different ways and different contexts; 3 - to realise that there are many different elements, processes and skills involved in implementing a learning organisation; 4 - to realise that organisational learning is interrelated with most organisational and management goals; 5 - to realise that the strategies for building learning organisations may vary with particular theoretical sets and mental models of the process.

assessment: to be advised

9328 Topics in Business Law

3 points not offered in 2000

3 hour seminar each week

prerequisites: 3564 Business Law

This subject covers specific aspects of law affecting management such as the structure of business, franchising, protection of intellectual property, importing and exporting, debt, contracts, sales tax and finance.

assessment: to be advised

4405 Topics in Finance

3 points not offered in 2000

3 hour seminar each week

prerequisite: 8143 Advanced Managerial Finance

This subject provides a means of examining topics that are typically related to the teaching and research interest of staff. Students can expect an in-depth analysis of specific topics in finance. Topics offered could include investments, issues in banking and finance, liability management, mergers and takeovers, and the theory of finance.

assessment: assignments, case studies, presentations

6962 Topics in Marketing

3 points not offered in 2000

3 hour seminar each week

prerequisites: 9408 Marketing Principles

This subject provides a means of examining topics that are typically related to the teaching and research interests of staff. Students can expect an in-depth analysis of specific issues designed to broaden understanding of contemporary marketing. Topics offered could include such issues as consumer behaviour, marketing communication, sales management, retail marketing and marketing logistics.

assessment: learning reviews, application project, exam

9972 Workplace Relations

6 points not offered in 2000

3 hour seminar each week

prerequisite: 5367 Organisational Behaviour and 5356 Human Resource Management

The subject will focus on the management of employment relations at enterprise and workplace levels. A comparative approach will be taken to the study of the workplace. Initial attention will be devoted to discussing theoretical frameworks for examining workplace employers, employees, governments and unions in seeking to shape such relationships. Case studies of particular workplaces will enable students to examine the factors influencing such issues as equity in opportunity and reward; the management of occupational health and safety; work organisation; trade unionism and employee involvement in decision making. Particular attention will be given to the evolution of enterprise based bargaining in Australia.

assessment: written assignment, class presentation, case study analysis

Master of Management (Leadership and Enterprise Development)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 The Faculty may accept as a candidate for the degree any graduate who:
- has qualified for a degree of the University or for a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of this University;
 - has had at least eight years relevant experience in business, public service or other field of employment approved by the Faculty and who has satisfied such other tests as the Faculty may prescribe.
- 1.2 Subject to the approval of the Board of Graduate Studies acting with authority wittingly devolved to it by Council, the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who, irrespective of whether or not the candidate is a university graduate, has given evidence satisfactorily to the Faculty of fitness to undertake work for the degree.
- 1.3 The Faculty may require an applicant to complete such additional preliminary work as it may prescribe before he or she is accepted as a candidate for the degree.

2 Duration of course

- 2.1 Except by special permission of the Faculty, the work of the degree shall be completed in not less than five trimesters and not more than three years from the date of candidature accepted by the Faculty.
- 2.2 A candidate whose candidature is interrupted may re-enrol only with the approval of the Faculty and under such conditions as the Faculty may impose in each case.

3 Assessment and examinations

- 3.1 Results of those who pass in any of the subjects, except 2141 Organisational Transformation shall be published within the following

classifications: High Distinction, Distinction, Credit, Pass Division 1, and Pass Division 2. Results of those who pass in the subject 2141 Organisational Transformation shall be published as Non-graded Pass.

4 Review of academic progress

- 4.1 A candidate's progress shall be reviewed by the Faculty at the end of each trimester. If in the opinion of the Faculty of Economics and Commerce, a candidate is not making satisfactory progress the Faculty may, with the consent of the Council withdraw its approval of the candidature and the candidate shall cease to be enrolled for the degree.

5 Subjects of study

- 5.1 To qualify for the degree of Master of Management (Leadership and Enterprise Development), the candidate shall complete satisfactorily a course of study which shall involve twelve subjects (48 points) comprising:
- | | |
|---|----|
| 7172 Asian Business Development | 3 |
| 4095 Business Strategy | 6 |
| 7544 Corporate Best Practice | 3 |
| 9069 Developing Leadership Skills | 2 |
| 6834 Developments in International Business | 3 |
| 2635 Diagnostic Analysis and Development | 3 |
| 3030 High Performance Management | 3 |
| 4132 Implementing Strategic Leadership | 12 |
| 5737 Managing the Change Process | 3 |
| 2811 Organisational Diagnosis | 3 |
| 2753 Organisational Leadership | 3 |
| 2141 Organisational Transformation | 4 |
- 5.2 No candidate will be permitted to count for the Master of Management degree any subject that in the opinion of the Faculty contains substantially the same material as any subjects which he or she has already presented for another qualification.

- 5.3 In special circumstances, candidates may be given permission to substitute another subject for subjects listed in 5.1 above.
- 5.4 A candidate's program of study must be approved by the Dean (or nominee) at enrolment each trimester.
- 5.5 Each candidate will be required to undertake during University vacations such studies as may be prescribed.
- 5.6 A candidate who complies with all the foregoing conditions shall, on the recommendation of the Faculty, be admitted to the degree.
- 6 Status, exemption and credit transfer**
- 6.1 A candidate who has passed subjects in other Faculties of the University or in other educational institutions may, on written application to the Faculty, be granted such exemptions from the requirements of these Specific Course Rules as the Faculty shall determine. Status may be granted for a maximum of six points under 5.1 of the Specific Course Rules.
- 6.2 Where a candidate has completed coursework elsewhere which is deemed by the Faculty to be equivalent to the core subjects listed under 5.1 above, status may be granted up to a maximum of six points.

Syllabuses Note: This course is not available in 2000

7172 Asian Business Development

3 points

26 hours

prerequisite: 2635 Diagnostic Analysis and Development

This subject will introduce participants to the political, cultural, economic and business characteristics of selected Asian countries. Participants will undertake an organised visit to Asia, be required to identify a business opportunity for their organisation, and to submit a plan to develop this opportunity to achieve a desired outcome.

assessment: completion of class project 40%, submission of individual assignment 60%

4095 Business Strategy

6 points

78 hours

prerequisite: 7544 Corporate Best Practice

Building on concepts introduced in previous subjects in this program, this subject focuses on the development of future strategies for an organisation within a global context. The purpose of this subject is to integrate and apply in a broad international context the concepts of leadership and enterprise development previously introduced. In the process a range of analytical tools and techniques will be considered that are useful in strategic planning. The subject will also cover a range of strategic outcomes, their advantages and disadvantages, and consider the difficulties of international expansion.

assessment: classroom participation 15%, case study 15%, company-based report 70%

7544 Corporate Best Practice

3 points

39 hours

prerequisite: 2635 Diagnostic Analysis and Development

Participants will examine a range of international companies renowned for their leadership and success in various aspects of business.

assessment: completion of a field survey report

6834 Developments in International Business

3 points

39 hours

The 'new competition' — a critical review of management theories: their basis in economics and international competition and the way they have evolved; the current state of strategic management thinking and practice; and the trends and events influencing the international context in which Australian businesses will be competing. Participants will gain an understanding of the necessity of replacing hierarchical, bureaucratic organisations with flexible, responsive structures and the implications of this for business leaders.

assessment: class projects 50%, individual assignments 50%

9069 Developing Leadership Skills

3 points

26 hours

prerequisite: 2753 Organisational Leadership

This subject will involve the development of an objective assessment of participants across a tested range of leadership competencies, with emphasis on leadership strengths. An opportunity profile will be derived which can be used as the basis for further personal development. Through personal experience, participants will also learn how to recognise leadership skills in others in their organisations and develop effective plans to develop such skills further.

assessment: submission of a research report

2635 Diagnostic Analysis and Development

3 points

39 hours

prerequisite: 2811 Organisational Diagnosis

This subject is project based. Participants will be required to develop and present a diagnosis of their organisation using the principles and techniques introduced in the Organisational Diagnosis subject.

assessment: submission of research report

3030 High Performance Management

3 points

39 hours

prerequisite: 9069 Developing Leadership Skills

This subject will enable participants to gain an understanding of the implications and differences arising in implementing effective leadership. The subject will discuss a range of issues including organisation structure; team based approach to management; benchmarking; vision lead strategy; the role of leadership in developing high performance outcomes; and likely difficulties encountered in implementing strategy. Case studies of companies who have been successful and unsuccessful in these areas will be examined.

assessment: submission of essay 40%, individual projects 60%

4132 Implementing Strategic Leadership

12 points

prerequisite: all other subjects for the Master of Management (Leadership and Enterprise Development)

Participants will be required to research, present and submit a strategic business plan for the development of their organisation. This project will proceed under the supervision of a member of the academic staff of the Graduate School of Management. Students will be required to report on progress at small group meetings, and to complete sessions on business research skills and research project management.

assessment: submission of a major business project

5737 Managing the Change Process

3 points

26 hours

prerequisite: 2141 Organisational Transformation

This subject is concerned with the implementation and management of a process of change within an organisation. The subject will cover the management of change at the corporate, divisional and local levels, and derive a set of practical guidelines on the successful management of the change process.

assessment: class participation 20%, written case studies 25%, final exam 55%

2811 Organisational Diagnosis

3 points

39 hours

prerequisite: 6834 Developments in International Business

The internationalisation and increasing competitiveness of most industries and advances in technology means that the operations must be fundamentally redesigned if organisations are to be competitive. This subject gives a detailed and pragmatic account of the principles and techniques used to increase the effectiveness of process flows within a wide range of businesses.

Topics include: principles of re-engineering; just in time inventory control; total quality management; activity-based costing; 'talk a walk' assignment and case studies and diagnostic exercises.

assessment: individual assessment of compulsory practical exercises and case studies 60%, 2 hour final exam 40%

2753 Organisational Leadership

3 points

39 hours

This subject is designed to enable managers to derive an objective view of their leadership competencies, based upon the use of a range of psychometric instruments and feedback. This process will focus on skills in the areas of: facilitating; mentoring; influencing; empowering and challenging; deciding; networking and learning. This subject will assist each participant to develop a profile of strengths and opportunities for further personal development.

assessment: series of compulsory exercises 40%, a research paper 60%

2141 Organisational Transformation

4 points

52 hours *prerequisite:* 2753 Organisational Leadership

This subject changes the conventional concepts of leadership in order to enable managers and their organisations to compete effectively in a complex and changing business environment. Participants will examine the critical differences between management and leadership; the invisible practices of exemplary leaders; the differences between incremental and transformational change; strategies for developing and implementing a vision, and building a committed management team.

assessment: classroom participation 50%, submission of assignment 50%

Elder Conservatorium - School of Performing Arts

Website: www.pa.adelaide.edu.au

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Doctor of Music

D.Mus.

Course Rules available from Elder Conservatorium - School of Performing Arts

Doctor of Philosophy

Ph.D.

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Graduate Diploma in Digital Arts

This award has been developed within the framework of the General Course Rules printed at the beginning of this Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate Tuition Fees apply to this course

Specific Course Rules

1 Admission requirements

- 1.1 The Faculty may accept as a candidate for the Graduate Diploma any person who has qualified for:
- (a) an ordinary degree of the University of Adelaide from the School with results of above-average standard *or*
 - (b) the ordinary degree of the Bachelor of Arts of The University of Adelaide which has within it a major sequence in a performing arts subject or a computer science subject. The results in these subjects must have been of above average standard *or*
 - (c) a degree in a relevant discipline from The University of Adelaide which is accepted for the purpose by the Faculty *or*
 - (d) a degree in a relevant discipline of another institution which is accepted for the purpose by the Faculty.
- 1.2 Subject to the approval of Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for a Graduate Diploma a person who does not qualify for admission to the course under Specific Course Rule 1.1 but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate diploma.

2 Duration of course

- 2.1 To qualify for a Graduate Diploma a candidate shall complete a course of study extending over one year as a full-time student, or not less than two years as a part-time student.

3 Review of academic progress

- 3.1 If in the opinion of the Faculty a candidate is not making satisfactory progress the Faculty may, with the consent of the Council, terminate the candidature.

4 Course requirements

- 4.1 To qualify for the Graduate Diploma in Digital Arts a candidate shall satisfactorily complete the following subjects:
- | | |
|---------------------------------------|---|
| 9062 Multimedia Studio Techniques IV | 8 |
| 2027 Creative Arts Theory IV | 4 |
| 7928 Technology in the Arts IV | 4 |
| 3203 Directed Study (Digital Arts) IV | 8 |

5 Assessment

- 5.1 There shall be the four classifications of Pass in subjects for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

Syllabuses

2027 Creative Arts Theory IV

4 points

semester 1

2 lectures per week

The commonalities that exist between the various creative art disciplines. A presentation/ examination of the theories and processes of creative activity, with particular reference to the potential benefits of collaborative involvement with other disciplines. Comparative analysis of contemporary creative art theories across all disciplines. The impact of new technologies on creative art theories.

assessment: 2000 word discussion paper and tutorial presentation of a sketch/score of a performance/art work involving at least two artistic media, that is at the 'rehearsal ready' stage for performance works and a 'production ready' stage for other art works.

3202 Directed Study (Digital Arts) IV

8 points

full year

Contact hours as required

A substantial creative project using digital technology, devised in consultation with the lecturing staff. Collaborative projects between two or more students will be encouraged and facilitated where possible.

assessment: presentation of completed works in two formats: 1) before an audience eg as recital, seminar presentation, Internet performance, 2) CD/CD ROM or other archivable digital medium

9062 Multi Media Studio Techniques IV

8 points

full year

2 lectures, 6 hours self study per week

Study of the theory and practice of creative arts using digital technology, applied to audio, video and animation, in live performance and in archivable digital media.

assessment: continuous assessment of studio competence. Portfolio of projects covering the four topics: studio and live recording; video (image and synch sound) recording; computer animation. Portfolio to include submission in whole or in part as digital files on the student's own World Wide Web home page. Journal of notes.

7928 Technology in the Arts IV

4 points

semester 1

2 lectures per week

The impact of technology upon the practice of artmaking. Historical context of technology in the arts in terms of documentation, production and presentation of works.

assessment: 1500 word essay, journal and seminar presentation

Graduate Diplomas in Music

These awards have been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate Tuition Fees apply to these courses

Specific Course Rules

1 General

1.1 There shall be Graduate Diplomas in:

- Chamber Music
- Conducting
- Intercultural Music
- Jazz Performance
- Music Education
- Music Performance
- Music Theory
- Musicology

1.2 A candidate may hold more than one of the Graduate Diplomas.

2 Admission requirements

2.1 The Faculty may accept as a candidate for the Graduate Diploma any person who has qualified for:

- (a) an ordinary degree of Bachelor of Music (New) of the University of Adelaide which the Faculty judges to have been attained at above-average standard
- (b) the ordinary degree of the Bachelor of Arts of the University of Adelaide which has within it a major sequence in Music or its equivalent. These subjects must have been attained at above-average standard *or*
- (c) a degree in Music of another institution which is accepted for the purpose by the Faculty.

2.2 Subject to the approval of Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for a Graduate Diploma a person who does not qualify for admission to the course under Specific Course Rule 2.1 but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

3 Duration of course

3.1 To qualify for a Graduate Diploma a candidate shall complete a course of study extending over one year as a full-time student, or not less than two years as a part-time student.

4 Review of academic progress

4.1 If in the opinion of the Faculty a candidate is not making satisfactory progress the Faculty may, with the consent of the Council, terminate the candidature.

5 Graduate Diploma in Intercultural Music Studies

5.1 To qualify for the Graduate Diploma in Intercultural Music Studies a candidate shall satisfactorily complete the following subjects:

5871 Methods for Intercultural Music Studies IVA	6
9768 Methods for Intercultural Music Studies IVB	3

and in addition, satisfactorily complete options from the following subjects to a total of 15 points:

8690 Asian Theatre IV	6
9633 Chinese Music IV	3
2768 Community Music Project IV	3
1950 Folk and Traditional Music of European Cultures IV	3
5503 Intercultural Music Performance Workshop IV	3
4627 Intercultural Music Studies Dissertation IV	9
8531 Japanese Music IV	3
2439 Music of Aboriginal Australia IV	3

5.2 Candidates who have previously satisfactorily completed subjects for the Bachelor of Music (New) or Bachelor of Arts or other award which include substantially the same material as that in any of the subjects listed above, shall complete

alternative subjects in lieu of those already passed to a total value of 12 points.

6 Graduate Diploma in Jazz Performance

6.1 To qualify for the Graduate Diploma in Jazz Performance a candidate shall satisfactorily complete the following subjects:

7747	Improvisation IV	3
9890	Jazz History IV	2
3801	Jazz Performance IV	8
4375	Jazz Piano Class IV	2
9530	Jazz Theory IV	3
6684	Large Jazz Ensemble IV	2
8530	Small Jazz Ensemble IV	4

7 Graduate Diploma in Music Education

7.1 To qualify for the Graduate Diploma in Music Education a candidate shall satisfactorily complete the following subjects:

2333	Comparative Music Education Methodologies IV	6
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and, in addition, satisfactorily complete options from the following subjects to a total of 18 points:

9889	Jazz Education IV	6
9161	Music Education IV	6
6916	Music Education Composition and Harmony IV	6
7395	Music Education Dissertation IV	6
1969	Conducting Methods IV	6

or up to two of the following subjects:

1950	Folk and Traditional Music of European Cultures IV	3
5503	Intercultural Music Performance Workshop IV	3
2439	Music of Aboriginal Australia IV	3

7.2 Candidates who have previously satisfactorily completed subjects for the Bachelor of Music (New) or other award which include substantially the same material as that in any of the subjects listed above, shall complete alternative Graduate Diploma subjects in lieu of those already passed to a total value of 12 points.

7.3 With the permission of the Dean in each case, candidates may be permitted to substitute other subjects from the Honours Degree of Bachelor of Music or another Graduate Diploma in Music,

to a maximum value of 6 points, for any of the above subjects.

note (not forming part of the Specific Course Rules):

Candidates are advised that this course will not lead to Teacher Registration. Candidates wishing to obtain registration as a teacher should complete a Graduate Diploma in Education. (See entries in the Calendar under the Faculty of Humanities and Social Sciences.)

8 Graduate Diploma in Music Performance

8.1 To qualify for the Graduate Diploma in Music Performance, a candidate shall satisfactorily complete the following subjects:

(a)	one of:	
	5340 Major Recital IVA	12
	5763 Major Recital IVC	12

and

(b)	one of:	
	7143 Short Recital IV	8
	5435 Ensemble/Orchestral Performance IV	8

and

(c)	either	
	7779 Concerto IV	4

or

one of the Musicology subjects listed in Specific Course Rule 5.2 of the degree of Master of Music (Performance);

or

one of the following subjects from the Graduate Diploma in Music Theory:

8965	Advanced Tonal Theory IV	4
6564	Advanced Analysis IV	4
4796	Advanced Applied Tonal Counterpoint IV	4
1331	20th Century Techniques and Analysis IV	4

8.2 Students of brass instruments or bassoon may give two short (30 minute) recitals in lieu of Major Recital IVA or IVC.

8.3 In special cases the Dean may approve different but equivalent sets of exercises.

9 Graduate Diploma in Music Theory

9.1 To qualify for the Graduate Diploma in Music Theory a candidate shall satisfactorily complete the following subjects:

4796	Advanced Applied Tonal Counterpoint IV	4
6564	Advanced Tonal Analysis IV	4
8965	Advanced Tonal Theory IV	4
3803	Music Theory Research Project IV	6
3177	Music Theory Seminar IV	2
1331	20th Century Techniques and Analysis IV	4

10 Graduate Diploma in Musicology

10.1 To qualify for the Graduate Diploma in Musicology a candidate shall, subject to Specific Course Rule 2, satisfactorily complete the following subjects:

1117	Australian Music IV	3
7078	History of Music Theory IV	3
3696	Introduction to Musicology IV	3
7932	Music Analysis IV	3
9362	Studies in Early Music IV	3
6593	Studies in Music History IVA	3
6667	Studies in Music History IVB	3
4723	The Aesthetics of Music IV	3

10.2 Candidates who have previously satisfactorily completed subjects for the Bachelor of Music or Bachelor of Arts or other award which include substantially the same material as that in any of the subjects listed above, shall in lieu of these subjects satisfactorily complete further Musicology subjects listed in the Specific Course Rule 5.2 for the degree of Master of Music (Performance), and in addition complete:

8639	Musicology Dissertation IV	9
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to a total value of 24 points

10.3 With the permission of Dean in each case, candidates may be permitted to substitute other subjects from the Honours degree of Bachelor of Music or another Graduate Diploma in Music, to a maximum value of 6 points, for any of the above subjects.

11 Graduate Diploma in Conducting

11.1 To qualify for the Graduate Diploma in Conducting a candidate shall satisfactorily complete the following subjects:

6232	Conducting Class IV	6
6875	Conducting Practicum IV	12
1391	Tonal Analysis for Conductors IV	6

12 Graduate Diploma in Chamber Music

12.1 To qualify for the Graduate Diploma in Chamber Music a candidate shall satisfactorily complete the following subjects:

6331	Chamber Music IV	8
8523	Chamber Music Recital IVA	4
2065	Chamber Music Recital IVB	8
7944	School Demonstration IV	4

Graduate Diploma in Chamber Music

Note: Postgraduate tuition fees apply to this course.

Syllabuses

6331 Chamber Music IV

8 points semester 1

Two tutorials weekly, of one and a half hours' duration each, on techniques of performance and concert presentation; analysis and understanding of style; period and language; ensemble, musical and instrumental skills.

One weekly masterclass of one hour's duration providing students with performance practice, discussion of performance touring techniques plus points of general application for all ensembles involved.

assessment: teacher's report 80%, performance result 20%. Masterclass only - teacher's report 66%; Performance result 33%

8523 Chamber Music Recital IVA

8 points semester 2

Two public recitals of 50 minutes duration each.

assessment: performance result 80%, teacher's report 20%

2065 Chamber Music Recital IVB

8 points semester 2

One public recital of 60 minutes duration.

assessment: performance result 80%, teacher's report 20%

7944 School Demonstration IV

4 points semester 1

Preparation and delivery of a one-hour performance / demonstration for schools in which each member of a quartet is given the opportunity to demonstrate his / her ability to communicate with an audience.

assessment: performance result 75%, teacher's report 25%

Graduate Diploma in Conducting

Note: Postgraduate tuition fees apply to this course

Syllabuses

6232 Conducting Class IV

6 points

full year

assessment: analysis of selected works (or sections thereof) 60%; four weekly keyboard exercises 40%

2 hour practical class a week

quota applies

prerequisites: satisfactory audition

A study of Conducting techniques and an examination of standard repertoire.

assessment: viva voce examination dealing with: broad knowledge of repertoire; detailed knowledge of a nominated area of specialisation; detailed knowledge of scores studied

6875 Conducting Practicum IV

12 points

full year

2 hours a week or equivalent practical experience taken concurrently with Conducting Class; additional activities as negotiated with the lecturer in charge

quota applies

prerequisites: satisfactory audition

corequisites: 6232 Conducting Class IV

Classroom work with piano or small chamber ensemble, attendance at professional rehearsals, section preparation etc. Students will be expected to form their own ensembles for assessment purposes.

assessment: performance (including program notes) of one work from the classical/ romantic repertoire and one work from the 20th Century 70%; demonstrated rehearsal skills 30%

1391 Tonal Analysis for Conductors IV

6 points

semester 1

quota applies

2 hour seminar, half hour keyboard class a week

prerequisites: 4851 Music Theory III or equivalent

assumed knowledge: 1935 Music Theory I, 7642 Music Theory II, 4851 Music Theory III

restriction: 6564 Advanced Tonal Analysis IV

Harmonic analysis of representative works of the tonal repertoire from Vivaldi through to the late 19th Century with special reference to structure and form, thematic process and harmonic style. Development of skills in Keyboard musicianship, transposition and score reading.

Graduate Diploma in Intercultural Music Studies

Note: Postgraduate Tuition Fees apply to this course.

Syllabuses

8690 Asian Theatre IV

6 points not offered in 2000

Lecture, 2-hour workshop, 2 hour seminar a week

restriction: 4805 Asian Theatre III

A series of lectures and workshops which investigate the principles and practice of Asian Theatre. Regional focus may include Japan, China and Indonesia. It is conducted in association with 4805 Asian Theatre.

assessment: 3500 word essay; short collaborative workshop performance

9633 Chinese Music IV

3 points not offered in 2000

restriction: 3392 Chinese Music III

2-hour seminar a week or equivalent

A study of Chinese instrumental music and Chinese theatre. It is conducted in association with 3392 Chinese Music III.

assessment: 5000 word seminar paper

2768 Community Music Project IV

3 points not offered in 2000

Individual tuition and fieldwork

This subject provides the opportunity to undertake fieldwork in the community or workshops in an approved forum. The final program will be determined in consultation with the lecturer-in-charge at the commencement of the project.

assessment: determined in consultation with the lecturer-in-charge - equivalent to a 3500 word essay

1950 Folk and Traditional Music of European Culture IV

3 points not offered in 2000

restriction: 1970 Folk Music Traditions III

2-hour seminar a week

An examination of the folk music and traditional musical forms of Britain, Europe and related cultures such as Australia.

assessment: essay of 5000 words

5503 Intercultural Music Performance Workshop IV

3 points not offered in 2000

2 hour workshop a week

This workshop draws upon the musical skills of its participants. It aims to develop the communicative and interpretative skills of the performer taking into consideration the requirement of different performance contexts. Students will also have the opportunity to gain further musical skills from different cultures. This may be conducted in association with Asian Performance.

assessment: attendance and participation; lecture demonstration to 5638 Ethnomusicology IIIB

4627 Intercultural Music Studies Dissertation IV

9 points not offered in 2000

Regular supervision by appointment

Dissertation based on a intercultural music study approved in consultation with the lecturer-in-charge.

assessment: 10000 word dissertation

8531 Japanese Music IV

3 points not offered in 2000

2-hour seminar a week

restriction: 1516 Japanese Music III

This subject provides a detailed examination of Japanese music traditions and performance practice. It is conducted in association with 1516 Japanese Music III.

assessment: 5000 word seminar paper

5871 Methods for Intercultural Music Studies IVA

6 points not offered in 2000

restriction: 6989 Ethnomusicology IIIA

2-hour seminar, 1 hour tutorial a week

This subject provides an accelerated coverage of advanced theory and methods in the study of music of different cultures. It investigates the concepts and

issues which are fundamental to the understanding and presentation of music in the urban context and the development of techniques such as transcription and analysis of different musical traditions.

assessment: 3500 word essay, transcription assignment

9768 Methods for Intercultural Music Studies IVB

3 points not offered in 2000

prerequisites: 5871 Methods for Intercultural Music Studies IVA

2-hour seminar a week

This subject examines advanced theory and literature of ethics. It investigates current issues with special reference to the Australian context. It is conducted in association with the Ethnomusicology postgraduate seminar.

assessment: 5000 word essay

2439 Music of Aboriginal Australia IV

3 points not offered in 2000

Contact by consultation

The study of music of Aboriginal Australia in the tribal and/or urban context. In consultation with the lecturer-in-charge, the candidate may nominate a topic related to the content of this Diploma.

assessment: 5000 word essay or equivalent

Graduate Diploma in Jazz Performance

Note: Postgraduate Tuition Fees apply to this course

Syllabuses

7747 Improvisation IV

3 points full year

2 hours a week

Aims to enable students to develop and apply improvisation techniques. This subject considers the application of improvisation techniques such as rhythm, modal scales and patterns to the jazz repertoire. The study of various styles (from early to contemporary) is made.

assessment: continuous - assignments and classwork) 25%, end of semester written, practical exams 75%

9890 Jazz History IV

2 points full year

2 hours a week

Analysis of various styles of jazz ranging from New Orleans to contemporary; musical concepts in jazz styles; the roles of instruments; study of set works

assessment: 2000 word essay 35%, 1 hour listening and general knowledge test (may include style recognition) 20%, 2000 word analytic study or equivalent 35%, tutorial presentation 10%

3801 Jazz Performance IV

8 points full year

2 hours a week

This subject aims to develop the student's performing skills on a principal instrument. Progressive technique appropriate to the student's level of attainment is supported by skills attained in 7747 Improvisation IV class. Different styles of Jazz interpretation are taught, relevant to the instrument.

assessment: performance class 25%, end of year exam or recital of 60 minutes 75%

4375 Jazz Piano Class IV

2 points full year

2 hours a week

This subject aims to provide sufficient stylistic knowledge and technique to allow the student to use keyboard as a means of relating to other Jazz Studies areas (eg. theory, arranging, self-accompaniment).

assessment: assignments/projects 25%; end of semester written and practical exams 75%

9530 Jazz Theory IV

3 points full year

2 hours a week

This subject aims to provide a theoretical framework which students can implement in Jazz improvisation, composition and arranging. Nomenclature of chords and scales, functional harmony, related and substituted harmony, and aural training are studied.

assessment: weekly assignments 50%, end of semester exams 50%

6684 Large Jazz Ensemble IV

2 points full year

2 hours a week

Study and practical implementation of Big Band or similar Large Jazz Ensemble (eg. guitar band, jazz choir, keyboard orchestra) repertoire. Consistent study and practice of the elements comprising large jazz ensemble playing through rhythm exercises, intonation exercises, balance practice and sight reading.

assessment: continuous assessment in ensemble throughout the year

8530 Small Jazz Ensemble IV

4 points full year

4 hours a week (includes 1 hour Jazz Forum)

This subject aims to develop ensemble sensitivity through the medium of small jazz ensembles. Activities include rehearsals and performances (eg. Jazz Forum) in various styles of jazz.

assessment: continuous - assignments and general progress 50%, end of semester exams of approximately 30 minutes playing time 50%

Graduate Diploma in Music Education

Note: Postgraduate Tuition Fees apply to this course

Syllabuses

2333 Comparative Music Education Methodologies IV

6 points not offered in 2000

2 hours a week

A detailed study of the principles of various approaches to music education, including the Kodaly method and jazz education methods, and their role in the development of musicality and creative potential in classroom and instrumental music programs.

assessment: 5000 word essay or equivalent

1969 Conducting Methods IV

6 points not offered in 2000

2 hours a week

Repertoire, score preparation, conducting techniques, rehearsal techniques and problem solving for choirs, bands, and mixed instrumental ensembles.

assessment: assignment, including 3000 word repertoire resource list and analysis and preparation of scores, or equivalent 60%; practical conducting assessment 40%

9889 Jazz Education IV

6 points not offered in 2000

4 hours a week

restriction: 5451 Jazz Styles; 2008 Jazz Theory II; 1212 Jazz Arranging II

Analysis of various styles of jazz ranging from New Orleans to contemporary. Scales, modes, chords and chord substitution. Skills in developing working arrangements for typical small jazz ensembles.

assessment: regular class exercises 40%; two 2000 word essays or equivalent 30%; exam 15%; arrangement 15%

6916 Music Education Composition and Harmony IV

6 points not offered in 2000

3.5 hours a week

restriction: 4047 Introduction to Composition III; 8661 Harmony Workshop III

Two of the following three areas: (1) Detailed study of fundamental concepts of composition, analytical study of works through coordinated listening program; (2) Detailed study of chords and tonal functions in the 18th and 19th centuries with emphasis on the composition of harmonic models in demonstration of those techniques. (3) Techniques of orchestration, analysis of texture, colour and balance, development of orchestration from the classical period to the present day.

assessment: composition exercises and assignments 20%; original compositions 20%; folio of musical exercises for Harmony or Orchestration 40%; 2000 word teaching methods assignment pertaining to composition, harmony and/or orchestration 20%

9161 Music Education IV

6 points not offered in 2000

3 hours a week

restriction: 5553 Music Education IIM(New); 3357 Piano Accompaniment; 5021 Jazz Keyboard II

Ensemble rehearsal techniques, repertoire, arranging and composition. Observation and analysis of ensembles in schools.

assessment: essay and journal 40%; arrangement 30%; class exercises 20%; examination 10%

7395 Music Education Dissertation IV

6 points not offered in 2000

Regular supervision by appointment

Dissertation based on a music education topic approved in consultation with the lecturer-in-charge.

assessment: 8000 word dissertation

Graduate Diploma in Musicology

Note: Postgraduate Tuition Fees apply to this course

Syllabuses

1117 Australian Music IV

3 points not offered in 2000

2 hour lecture a week

corequisites: 3696 Introduction to Musicology IV

Resources and techniques in the study of Australian music; with a particular emphasis on composition from 'the colonial period to the 1980s'.

assessment: 3000 word essay, participation in seminars

7078 History of Music Theory IV

3 points not offered in 2000

2 hours a week for one semester in odd years or by consultation in even years (see 9189 Musicology IIIA)

Students are required to attend and participate in the lectures and seminars.

A study of the history of music theory with special emphasis on medieval and renaissance periods but including baroque, classical and romantic periods to the present day.

proposed assessment: 2500 - 3500 word essay

3696 Introduction to Musicology IV

3 points not offered in 2000

2 hour lecture a week

A study of the scope of modern musicological studies with special emphasis on historic musicology and music bibliography.

assessment: 2000 word essay, one bibliographic assignment; participation in seminars.

7932 Music Analysis IV

3 points not offered in 2000

1 hour lecture a week

Historical and current analytic theory and practice; concepts and approaches to music in the western tradition.

assessment: 4 analytic studies 25% each

9362 Studies in Early Music IV

3 points not offered in 2000

2 hour lecture a week

corequisites: 3696 Introduction to Musicology IV

Issues and problems in early music studies; paleographic and editing techniques.

assessment: 2000 word essay, preparation of an edition of music

6593 Studies in Music History IVA

3 points not offered in 2000

2 hour lecture a week

corequisites: 3696 Introduction to Musicology IV

A series of lectures and seminars on a topic in western music history to be announced at the beginning of the relevant academic year.

assessment: one essay of 3000 words, participation in seminars.

6667 Studies in Music History IVB

3 points not offered in 2000

2 hour lecture a week

corequisites: 3696 Introduction to Musicology IV

A series of lectures and seminars on a topic in western music history to be announced at the beginning of the relevant academic year.

assessment: 3000 word essay, participation in seminars.

4723 The Aesthetics of Music IV

3 points not offered in 2000

corequisites: 3696 Introduction to Musicology IV

The history of the aesthetics of music from the ancient Greeks to the 20th century and a study of some specific issues.

assessment: 3000 word essay, participation in seminars.

Graduate Diploma in Music Performance

Note: Postgraduate Tuition Fees apply to this course

Syllabuses

7779 Concerto IV

4 points full year

1 hour a week, concurrent with preparation for all diploma Performance subjects

prerequisites: credit or above in the appropriate Level III Performance subject (eg. 2281 Performance III (Voice)) or audition or both

A concerto or concerted work appropriate to the instrument studied.

assessment: performance of the concerto or concerted work

note: Students in exceptional circumstances may commence their studies in mid-year and enrol in 8927 Concerto IV(Mid-year).

5435 Ensemble/Orchestral Performance IV

8 points full year

1 hour a week, concurrent with preparation for all diploma Performance subjects

A program of study of chamber works or orchestral excerpts appropriate to the instrument studied.

prerequisites: credit or above in the appropriate Level III Performance subject or audition or both

assessment: a recital/examination of chamber music or orchestral excerpts of 35 minutes duration

note: Students in exceptional circumstances may commence their studies in mid-year and enrol in 6161 Ensemble/Orchestral Performance IV(Mid-year).

5340 Major Recital IV(A)

12 points full year

1 hour a week, concurrent with preparation for all diploma Performance subjects

prerequisites: a credit or above in the appropriate Level III performance subject or audition or both

A representative program of advanced works in the repertoire of the instrument studied.

assessment: a public recital of 65 minutes duration

note: Students in exceptional circumstances may commence their studies in mid-year and enrol in 9305 Major Recital IV(A) (Mid-year).

5763 Major Recital IV(C)

12 points full year

1 hour a week, concurrent with preparation for all diploma Performance subject

prerequisites: a credit or above in the appropriate Level III Performance subject or audition or both.

A representative program of advanced works in the repertoire of the instrument studied which must also include a concerto or concerted work.

assessment: a public recital of 65 minutes duration

note: Students in exceptional circumstances may commence studies in mid-year and enrol in 9614 Major Recital IV(C) (Mid-year).

7143 Short Recital IV

8 points full year

1 hour a week, concurrent with preparation for all diploma Performance subject

prerequisites: a credit or above in the Level III Performance subject or audition or both

A representative program of advanced works in the repertoire of the instrument studied.

assessment: a public recital of 35 minutes duration

note: Students in exceptional circumstances may commence their studies in mid-year and enrol in 9214 Short Recital IV(Mid-year).

Notes:

- 1 Students shall participate in Large Ensemble or Chamber Music for the full year, the extent to which will be determined by the Dean in consultation with the teacher and the student.
- 2 A concerted work is a concerto, aria(s) or song cycle with orchestra.
- 3 Program notes are to be submitted on each work performed and should demonstrate careful research and independent thought. Students must avoid plagiarism. These notes will be taken into account by the examiners, the requirements are as follows:
 - (a) Full recital - 3 pages comprising approximately 1000 words;
 - (b) Short recital -2 pages comprising approximately 600-700 words;
 - (c) Concerto -1 page comprising approximately 300-400 words.

Program notes are required to be submitted not less than one week before the recital. They should be presented in camera ready form. They will be assessed as very good, average, or inadequate and increase or decrease the overall result by a margin of up to 5%.

- 4 Unless the Dean, on the advice of the specialist panels, approves otherwise, normally no complete work may be presented for examination which has been assessed previously in part or in its entirety.

Graduate Diploma in Music Theory

Note: Postgraduate Tuition Fees apply to this course

Syllabuses

8965 Advanced Tonal Theory IV

4 points not offered in 2000

2 hour seminar a week

assumed knowledge: 1935 Music Theory I, 7642 Music Theory II and 4851 Music Theory III

This subject involves a coverage of tonal techniques with special emphasis on the composition of harmonic models in demonstration of those techniques.

assessment: a folio of not less than 10 originally composed harmonic exercises

6564 Advanced Tonal Analysis IV

4 points not offered in 2000

2 hour seminar a week

assumed knowledge: 1935 Music Theory I, 7642 Music Theory II and 4851 Music Theory III

Harmonic analysis of representative works of the tonal repertoire from Vivaldi through to the late 19th Century with special reference to harmonic structure and form, chordal types and individual harmonic styles.

assessment: harmonic analysis of six works (or sections of works) representative of the period covered

3458 Advanced 20th Century Techniques and Analysis IV

4 points not offered in 2000

2 hour seminar a week

assumed knowledge: 1935 Music Theory I, 7642 Music Theory II and 4851 Music Theory III

A study of non-tonal techniques as typified in selected works of 20th Century composers with analysis and composition of models in demonstration of those techniques.

assessment: a folio of not less than three analyses and not less than seven originally composed exercises

4796 Advanced Applied Tonal Counterpoint IV

4 points not offered in 2000

2 hour seminar a week

assumed knowledge: 1935 Music Theory I, 7642 Music Theory II and 4851 Music Theory III

This subject involves a study of counterpoint techniques with special reference to Canon, Passacaglia, Fugue and Free-Counterpoint. Emphasis will be placed on baroque counterpoint; however 19th century counterpoint will also be studied.

assessment: a folio of not less than 10 short originally composed contrapuntal exercises (the assessment may be less than 10 if a complete fugue is set for assessment or another larger complete movement or exercise)

3803 Music Theory Research Project IV

6 points not offered in 2000

Regular supervision by appointment

assumed knowledge: 1935 Music Theory I, 7642 Music Theory II and 4851 Music Theory III

Dissertation or extended composition illustrating tonal or 20th Century techniques.

assessment: in consultation with lecturer-in-charge, the candidate may nominate a topic related to the content of Diploma. Dissertation should be the equivalent of 8000 words and may involve either: Option A: analytical study of harmonic techniques of a specific composer within period covered by the Diploma - may be limited to a representative selection of a specific composer's output or Option B: writing of an extended tonal or non-tonal work which must demonstrate knowledge of harmonic techniques covered throughout Diploma and harmonic analysis of the same. (Note: work must be an original composition and must not have been presented elsewhere for assessment in another subject or course).

3177 Music Theory Seminar IV

4 points not offered in 2000

2 hour seminar a week or equivalent

assumed knowledge: 1935 Music Theory I, 7642 Music Theory II and 4851 Music Theory III

The subject examines advanced theoretical concepts in music and their application in analytical and compositional process. Comparison of harmony and counterpoint texts will be included in the seminar.

assessment: an oral presentation of 2500 word paper, or equivalent

Graduate Diploma in Radio Broadcasting Studies

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate Tuition Fees apply to this course

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Diploma must hold a degree of Bachelor of Arts or equivalent qualification.
- 1.2 Subject to the approval of the Council, the Faculty may accept as a candidate for the Graduate Diploma a person who does not hold the qualifications specified in Specific Course Rule 1.1 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the Diploma.
- 1.3 The Faculty, if it sees fit to do so, may require the applicant to complete such additional preliminary work as it may prescribe before being accepted as a candidate for the Graduate Diploma.

2 Duration of course

- 2.1 Except with the special permission of the Dean, the course for the Graduate Diploma shall be completed in not more than one year of full-time study. The course is not available on a part-time basis.

3 Review of academic progress

- 3.1 If in the opinion of the Faculty a candidate for the Graduate Diploma is not making satisfactory progress the Faculty may with the consent of the Council withdraw its approval of candidature and the candidate shall thereupon cease to be enrolled for the Graduate Diploma.

4 Course of study

- 4.1 To qualify for the Graduate Diploma candidates shall complete the following subjects to the satisfaction of examiners:

2133 Elective in Radio Production IV	2
2633 Elective in Radio Industry Skills IV	2
7344 Live Broadcasting Practicum IV	3
1251 Radio Industry Practicum IV	2
6551 Radio Production IVA	3
8536 Radio Production IVB	3

1751 Radio Production IVC	3
6167 Radio Production IVD	3
6571 The Radio Medium IV	3

- 4.2 To complete a course of study, a candidate, unless exempted therefrom by the Dean, shall:

- (a) regularly attend the prescribed lectures, tutorials and seminars *and*
- (b) undertake such practical work, fieldwork and case studies, do such written work, and pass such examinations, as the Dean may prescribe.

5 Assessment and examinations

There shall be four classifications of pass at the final examination in any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

6 Status and exemption

No candidate may count toward the Graduate Diploma any subject which he or she has passed for another qualification.

Syllabuses

2633 Elective in Radio Industry Skills IV

2 points not offered in 2000

4 hours of station participation a week for 3 weeks

quota will apply

prerequisites: 8536 Radio Production IVB

assumed knowledge: 8536 Radio Production IVB

Special studies to suit student interests in key areas of the radio industry. A selection is made from the following topics available (only two or three are offered in any one semester) - station management; volunteer liaison; developing station programming; research and audiences; radio sales and marketing; traffic and accounts.

assessment: written assignment

2133 Elective in Radio Production IV

2 points not offered in 2000

2 four-hour studio workshops a week for 3 weeks

quota will apply

prerequisites: 8536 Radio Production IVB

assumed knowledge: 8536 Radio Production IVB

Special studies to suit student interests in production areas. A selection is made from the following topics available (only two or three are offered in any one semester.) - news production; music programming; feature/documentary production; advertising production; radio drama; music recording and production; specialist commentaries; basic engineering.

assessment: production assignment

7344 Live Broadcasting Practicum IV

3 points not offered in 2000

2 four-hour studio sessions, or equivalent)

quota will apply

prerequisites: 8536 Radio Production IVB and the 6571 Radio Medium IV

The nature of radio production and live-to-air broadcasting. This practical study covers the preparation and presentation of a regular two-hour magazine program, weekly, throughout the thirteen weeks of the subject. The following areas will be covered - program planning and preparation; program production; conducting a two-hour broadcast on a weekly basis; program discussion and feed-back

assessment: interim practicums 20%; critical assignments 20%; live broadcast 60%

1251 Radio Industry Practicum IV

2 points not offered in 2000

experience - 80 hours over 4 weeks

quota will apply

prerequisites: 8536 Radio Production IVB, 6571 The Radio Medium IV

Hands on experience in the professional context of the radio industry: Students are assigned to specific locations within the industry to enable them to gain further knowledge through association on a daily basis with the many aspects of radio station practice. It is planned to fit this practicum and invaluable experience into the mid-year period. However, other times may be negotiated if found to be more convenient.

assessment: attendance and involvement

6551 Radio Production IVA

3 points not offered in 2000

2 four-hour studio sessions a week for 5 weeks

quota will apply

Introducing studio operation, recording techniques and basic radio presentation skills, covering: basic panel operation - live to air, pre-recording; radio presentation - presenter's role, speaking scripts, ad-libbing, co-presentation; microphone use; recording - formats to include reel, cassette, DAT, cart, and so on; script writing; use of computers - MS word

assessment: presentation of 1 hour simulated live-to-air program

8536 Radio Production IVB

3 points not offered in 2000

2 four-hour studio sessions a week for 5 weeks

quota will apply

prerequisites: 6551 Radio Production IVA

assumed knowledge: Radio Production IVA

Further work on studio operation, recording techniques and presentational skills, covering -voice technique - control and flexibility, breathing, style; interviewing - preparation, forms and styles, studio, telephone, location interviewing, listening, administration; editing - electronic, dub and cut, computer editing; basic newswriting and production; program design, planning and administration - programming roles (production,

research, music, presentation), sources, use of computer data bases.

assessment: production assignments - interviewing and editing 40%, news bulletin 20%, group project (daily magazine) 40%

1751 Radio Production IVC

3 points not offered in not offered in 2000

2 two-hour studio sessions a week for 5 weeks

quota will apply

prerequisites: 8536 Radio Production IVB

assumed knowledge: 8536 Radio Production IVB

Advanced radio presentation, divided between the focus upon: 1. Announcing skills - co-presentation, panel discussions and debates, vocal styles for different formats, specialist interviewing, talkback production and presentation; 2. Advanced radio scripting - news, current affairs, advertising and promotions, documentary and features, commentaries, reviews.

assessment: radio portfolio 50%, presentation (demonstration) tape 50%

6167 Radio Production IVD

2 points not offered in 2000

2 two-hour studio sessions a week for 5 weeks

quota will apply

prerequisites: 6551 Radio Production IVA

assumed knowledge: 6551 Radio Production IVA

Further advanced radio presentation, giving attention to advanced theory of sound and sound treatment: 1. Multi-track recording - using mixers, layering tracks using the FX unit, short practicum in a recording studio; 2. Location recording.

assessment: multi-track production/recording exercise 50%, location sound recording 50%

6571 The Radio Medium IV

2 points not offered in 2000

2 two-hour lecture/seminars a week

quota will apply

The nature of radio as a communication medium - its historical perspective and contemporary situation as an institution in Australia, covering sound and listening; sound broadcasting technology; oral and literate communication; voice and radio voices; the radio host, radio forms, including interview, talkback, news, advertising, documentary; and music programming,

broadcast formats; and station identity. Australian radio history; structure and changes; regulations, codes, ethics and the law; radio audiences and their construction; new technologies; the uses and alternative conceptions of radio.

assessment: two 2000 word assignments 50% each

Master of Music

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 The Faculty of Performing Arts may accept as a candidate for the degree of Master of Music a person who: (a) has qualified in the University of Adelaide for the degree of Bachelor of Music (New), or Graduate Diploma in Music Education or Graduate Diploma in Musicology or Graduate Diploma in Intercultural Music; or (b) has obtained, in another university or institution recognised for the purpose, a qualification which is accepted by the Faculty as equivalent to the degree of Bachelor of Music (New) in the University of Adelaide.

1.2 In special cases the Board of Graduate Studies acting with authority wittingly devolved to it by Council, on the recommendation of the Faculty and subject to such conditions (if any) as it may impose in each case, may accept as a candidate for the degree a person who, irrespective of whether or not he/she is a university graduate, has given evidence satisfactory to the Dean of his or her fitness to undertake studies for the degree of Master of Music.

2 Duration of course

2.1 The course of study for the degree shall comprise two parts as follows and, unless the Dean expressly approve an extension of time in a particular case, shall be completed within the time limits prescribed below:

Pt.A Such preliminary study and examinations as may be prescribed in the Specific Course Rules of the degree extending over not more than one year of full-time study or two years of part-time study.

Pt.B A course of advanced study and/or research extending over not less than one year nor more than three years of full-time study. The Dean may, in special cases, permit a candidate to complete part B over not less than two years nor more than five years of part-time study. A candidate shall not be permitted to proceed to part B until he/she has fulfilled the requirements of part A.

2.2 A candidate may be exempted from the whole or such part of Part A as the Dean may decide the candidate has:

(a) qualified for the Honours degree of Bachelor of Music (New) *or*

(b) qualified for the Ordinary degree of Bachelor of Music (New) and has passed in (i) all the Ordinary degree subjects that are compulsory for the Honours degree in the field to which his subject of study related; and (ii) an examination of Honours standard approved by the Faculty *or*

(c) obtained a qualification which is accepted by the Faculty as equivalent to the Honours degree of Bachelor of Music (New) in the University of Adelaide *or*

(d) qualified for the Graduate Diploma in Musicology or Graduate Diploma in Intercultural Music or Graduate Diploma in Music Education.

2.3 A candidate who has obtained qualifications which fully or partly satisfy the requirements specified in Specific Course Rule 2.2 (a), (b), (c) or (d) above may be exempted from the whole or such part of Part A as the Dean may decide, and shall therefore fulfil the requirements of Part B, as prescribed in the Specific Course Rules.

3 Required program of activities at the commencement for candidature

3.1 Each candidate shall complete a structured program of activities within the first twelve months from commencement of candidature.

3.2 Continuation of the candidate's enrolment is conditional upon the completion of the activities to the satisfaction of the School/s concerned.

3.3 Such activities will be determined by the School/s in which the candidate is enrolled. They will include the completion and the presentation of a detailed research proposal, and other courses or skills training deemed necessary by the School/s concerned.

3.4 At the completion of the structured program, each candidate shall submit to the Board an outline of the proposed research in such form as the Board may prescribe.

4 Review of academic progress

4.1 If in the opinion of the Faculty a candidate is not making satisfactory progress the Faculty may, with the consent of the Council, withdraw its approval of his/her candidature and the candidate shall cease to be enrolled for the degree.

5 Assessment and examinations

5.1 Every candidate shall pursue a program of advanced study in music as prescribed in the Specific Course Rules. The subjects and content and relative weighting of all sections of a candidate's program, together with the method of examination of advanced work shall be approved by the Dean provided that the work of Specific Course Rule 8 shall be examined as provided in Specific Course Rule 5.3.

5.2 On completion of work for the degree a candidate shall lodge with Graduate Studies three copies of his or her submission made in accordance with the requirements of Specific Course Rule 8, prepared in accordance with directions given to candidates from time to time.*

- 5.3
- (a) Not less than two examiners, at least one of whom shall be an external examiner, shall be appointed by, and shall report to, the School
 - (b) The examiners may require a candidate to undergo further examination in the field of study immediately relevant to his subject
 - (c) The examiners may recommend that the work under examination:
 - (i) be accepted (subject, if they so recommend, to minor amendments being made) *or*
 - (ii) be not accepted but returned to the candidate for revision and re-submission *or*
 - (iii) be rejected.

6 General

6.1 A candidate who fulfils the requirements of these Specific Course Rules and satisfies the examiners in the field to which his/her subject relates shall on the recommendation of the School be admitted to the degree.

7 Preliminary study and examinations: Part A

7.1 Such preliminary work and examinations as may be prescribed in each individual case. This shall normally comprise one Honours subject (other than Musicology or Ethnomusicology or Music Education) as prescribed in the Specific Course Rules for the Honours degree of Bachelor of Music.

8 Programs of study: Part B

8.1 A candidate shall satisfactorily complete a program of advanced study to be approved by the Dean after consultation with his supervisor including the following:

- (a) a composition or compositions *or*
- (b) a thesis on a topic in Historical Musicology, Systematic Musicology, Ethnomusicology, Music in Education, Sonological Research, or in relevant interdisciplinary studies *or*
- (c) an edition with critical commentary *or*
- (d) a dissertation and a report on original field or practical work in any of the areas specified in (b) above.

8.2 Such other advanced course work or seminar work as may be prescribed or approved in each individual case. Candidates taking Specific Course Rule 8.1(a) must present two seminar papers or a major analysis, not assessed by the external examiner.

notes (not forming part of the Specific Course Rules)

It is expected that the length of seminar papers will normally be approximately 5000 words.

Master of Music (Performance)

Note: Postgraduate Tuition Fees apply to this course

Specific Course Rules

1 Admission requirements

1.1 The Faculty may accept as a candidate for the degree a person who has qualified for:

- (a) the Honours degree of Bachelor of Music (Performance) of the University of Adelaide at First Class or IIA standard *or*
- (b) the Graduate Diploma in Music Performance of the University of Adelaide at a standard comparable to First Class or IIA Honours *or*
- (c) a degree or diploma in Music of another institution accepted for the purpose by the University.

The Faculty reserves the right to require an acceptable level of performance at audition.

1.2 In special cases the Board of Graduate Studies acting with authority wittingly devolved to it by Council on the recommendation of the Faculty and subject to such conditions (if any) as it may impose in each case, may accept as a candidate for the degree an applicant who has given other evidence satisfactory to the Faculty of their fitness to undertake studies for the degree.

2 Duration of course

2.1 To qualify for the degree a candidate shall complete a course of advanced studies in Performance extending over not less than three semesters or more than two years of full-time study. The Faculty may, in special cases, permit a candidate to complete the degree over not less than two years nor more than four years of part-time study.

3 Qualification requirements

3.1 To qualify for the degree a candidate shall:

- (a) undertake an approved program of advanced study in singing, conducting or a musical instrument, under the direction of a supervisor or supervisors appointed by the Dean
- (b) attend such seminars and present such papers in musicology or ethnomusicology as may be prescribed in the Specific Course Rules

(c) perform at a satisfactory standard at such public recitals as may be prescribed in the Specific Course Rules.

4 Review of academic progress

4.1 If in the opinion of the Faculty a candidate is not making satisfactory progress the Faculty may, with the consent of the Council, terminate the candidature.

5 Subjects of study

note: Notwithstanding the Specific Course Rules and Syllabuses published in this volume, a number of subjects listed may not be offered in 2000.

The availability of all subjects is conditional upon the availability of staff and facilities.

5.1 Compulsory subjects

8087 Masters Recital A	4
8354 Masters Recital B	4
3509 Recital Studies I	8
1940 Recital Studies II	8

provided that candidates may continue their enrolment for 8087 Masters Recital A and 8354 Masters Recital B for two semesters.

5.2 Elective subjects

Subjects to the value of 12 points from:

2311 Ethnomusicology Seminar V(A)	4
9808 Ethnomusicology Seminar V(B)	4
1283 Ethnomusicology Seminar V(C)	4
6185 Music Education Seminar V(A)	4
4505 Music Education Seminar V(B)	4
8975 Music Education Seminar V(C)	4
1895 Music Theory Seminar V(A)	4
6630 Music Theory Seminar V(B)	4
8054 Musicology Seminar V(A)	4
1658 Musicology Seminar V(B)	4
3191 Musicology Seminar V(C)	4

6 Recital requirements

- 6.1 (a) Each candidate shall present two public recitals (8087 Masters Recital A and 8354 Masters Recital B) to be given at an interval of not more than 3 months, the duration of each to be approximately 75 minutes, provided that for Bassoon, Brass, Oboe and Voice recitals, it shall be approximately 65 minutes.
- (b) Details of the recital programs shall be submitted to the Dean for approval not less than six months before the first recital.
- 6.2 (a) For each candidate, a panel of at least four examiners including at least one external examiner shall be appointed by the Dean to assess the two recitals (8087 Masters Recital A and 8354 Masters Recital B). The candidate's supervisor shall not be an examiner.
- (b) The examiners may recommend that the recitals
- (i) merit the award of the degree
 - (ii) do not merit the award of the degree
- In the latter case, the examiners may also recommend that the candidate be permitted to re-present all or part of a recital within a specified time. Should the Dean accept the latter advice, the same examiners should, as far as practicable, assess the additional recital.
- (c) Unless a panel of examiners has recommended that a candidate be permitted to re-present a recital, no candidate may be examined for the degree more than once.

notes (not forming part of the Specific Course Rules)

Pattern of study

Candidates are advised to present 3509 Recital Studies I and 1940 Recital Studies II and two of the elective subjects in their first year of enrolment. Candidates should present 8087 Masters Recital A, 8354 Masters Recital B and the one remaining elective subject in their final year of enrolment.

Candidates enrolled part-time may present 3614 Recital Studies IA (Part-time) and 1032 Recital Studies IIA (Part-time).

7 Seminar requirements

- 7.1 (a) Each candidate shall attend three postgraduate seminars in Musicology or Ethnomusicology or Music Education or Music Theory, (see elective subjects in Specific Course Rule 5.2) as required by the Dean, and shall submit for assessment in each of the elective subjects seminar papers approximately 5000 words in length.
- (b) Should any of the seminar papers be assessed as unsatisfactory, the candidate may re-present the paper or submit a paper in another seminar.

Syllabuses

compulsory subjects

3509 Recital Studies I

8 points semester 1 or 2

1 hour a week individual tuition

restriction: 8857 Recital Studies IA

Candidates are required to prepare advanced performance repertoire in preparation for the recitals presented at the end of the course.

assessment: teacher's report based on standard and achievement, progress and technical development, attitude, punctuality and attendance

3614 Recital Studies IA (Part Time)

8 points full year

30 minutes individual tuition a week

prerequisite: audition

restriction: 2852 Recital Studies I (Part Time), 3509 Recital Studies I

Candidates are required to prepare advanced performance repertoire in preparation for the recitals presented at the end of the course

assessment: teacher's report based on standard and achievement, progress and technical development, attitude, punctuality and attendance

1940 Recital Studies II

8 points semester 1 or 2

1 hour a week individual tuition

restriction: 7222 Recital Studies IIA

prerequisites: 3509 Recital Studies I

Candidates are required to prepare advanced performance repertoire in preparation for the recitals presented at the end of the course.

assessment: teacher's report based on standard and achievement, progress and technical development, attitude, punctuality and attendance

1032 Recital Studies IIA (Part Time)

8 points full year

30 minutes individual tuition a week

prerequisite: 3509 Recital studies I or 3634 Recital Studies IA (Part Time)

restriction: 1940 Recital Studies II, 7222 Recital Studies IIA, 2620 Recital Studies II (Part Time)

Candidates are required to prepare advanced performance repertoire in preparation for the recitals presented at the end of the course.

assessment: teacher's report based on standard and achievement, progress and technical development, attitude, punctuality and attendance

8087 Masters Recital A

4 points semester 1 or 2

30 minutes individual tuition a week

restriction: 4623 Masters Recital VA

A selection of works from those prepared in 3509 Recital Studies I are chosen for presentation at a public recital. Details of the recital program must be submitted to the School Executive Officer for approval not less than six months before the first recital.

assessment: public recital to be given not more than 3 months from the recital given for Masters Recital B. Duration approximately 75 minutes, except for Bassoon, Brass, Oboe and Voice recitals - approximately 65 minutes. A panel of 4 examiners including at least one external examiner, shall be appointed by the Faculty. The candidate's supervisor shall not be an examiner.

8354 Masters Recital B

4 points semester 1 or 2

restriction: 9540 Masters Recital VB

30 minutes individual tuition a week

A selection of works from those prepared in Recital Studies II are chosen for presentation at a public recital. Details of the recital performance must be submitted to the School Executive Officer for approval not less than 6 months before the first recital.

assessment: public recital to be given not more than 3 months from the recital given for Masters Recital A. Duration approximately 75 minutes, except for Bassoon, Brass, Oboe and Voice recitals - 65 minutes. A panel of 4 examiners including at least one external examiner shall be appointed by the Faculty. The candidate's supervisor shall not be an examiner.

notes:

Program notes are to be submitted on each work performed and should demonstrate careful research and independent thought. Students must avoid plagiarism. These notes will be taken into account by the examiners.

Program notes are required to be submitted not less than one week before the recital. They should be presented in camera ready form. They will be assessed as very good, average, or inadequate and increase or decrease the overall result by a margin of up to 5%.

elective subjects

2311 Ethnomusicology Seminar V(A)

4 points semester 1 or 2

This subject examines advanced theory and literature of ethnomusicology. It investigates current issues with special reference to the Australian context.

assessment: an oral presentation of a 5000 word paper

9808 Ethnomusicology Seminar V(B)

4 points semester 1 or 2

This subject examines advanced theory and literature of ethnomusicology. It investigates current issues with special reference to the Australian context.

assessment: an oral presentation of a 5000 word paper

1283 Ethnomusicology Seminar V(C)

4 points semester 1 or 2

This subject examines advanced theory and literature of ethnomusicology. It investigates current issues with special reference to the Australian context.

assessment: an oral presentation of a 5000 word paper

6185 Music Education Seminar V(A)

4 points semester 1 or 2

Contact as required by seminar series

The subject examines theoretical constructs, practical applications and literature in music education. It investigates current issues and practices with special reference to Australian contexts.

assessment: an oral presentation of a 5000 word paper

4505 Music Education Seminar V(B)

4 points semester 1 or 2

Contact as required by seminar series

The subject examines theoretical constructs, practical applications and literature in music education. It investigates current issues and practices with special reference to Australian contexts.

assessment: an oral presentation of a 5000 word paper

8975 Music Education Seminar V(C)

4 points semester 1 or 2

Contact as required by seminar series

The subject examines theoretical constructs, practical applications and literature in music education. It investigates current issues and practices with special reference to Australian contexts.

assessment: an oral presentation of a 5000 word paper

1895 Music Theory Seminar V(A)

4 points not offered in 2000

2 hour seminar per week or equivalent

The subject examines advanced theoretical concepts in music, their application in analytical and compositional process and their relation to performance practice.

assessment: an oral presentation of a 5000 word paper, or equivalent

6630 Music Theory Seminar V(B)

4 points not offered in 2000

2 hour seminar per week or equivalent

The subject examines advanced theoretical concepts in music, their application in analytical and compositional process and their relation to performance practice.

assessment: an oral presentation of a 5000 word paper, or equivalent

8054 Musicology Seminar V (A)

4 points semester 1 or 2

Contact as required by seminar series

The subject examines theoretical issues, the literature of music and repertoire studies in Musicology. Aspects of music history and systematic contexts will be explored as required.

assessment: oral and written presentation of a 5000 word paper

1658 Musicology Seminar V (B)

4 points semester 1 or 2

Contact as required by seminar series

The subject examines theoretical issues, the literature of music and repertoire studies in Musicology. Aspects of music history and systematic contexts will be explored as required.

Elder Conservatorium - Performing Arts — M.Mus.(Perf.)

assessment: oral and written presentation of a 5000 word paper

3191 Musicology Seminar V (C)

4 points semester 1 or 2

Contact as required by seminar series

The subject examines theoretical issues, the literature of music and repertoire studies in Musicology. Aspects of music history and systematic contexts will be explored as required.

assessment: oral and written presentation of a 5000 word paper

Master of Music Theory

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: Postgraduate Tuition Fees apply to this course.

Specific Course Rules

1 Admission requirements

1.1 The Faculty of Performing Arts may accept as a candidate for admission to the course of study for the degree a person who has qualified for:

- (a) the Ordinary degree of Bachelor of Music (New), or Bachelor of Arts of the University of Adelaide, and in addition the Graduate Diploma in Music Theory *or*
- (b) an award of another institution accepted for the purpose by the Faculty.

1.2 In special cases the Board of Graduate Studies, acting with the authority wittingly devolved to it by Council, on the recommendation of the Faculty and subject to such conditions (if any) as it may impose in each case, may accept as a candidate for the degree an applicant who has given other evidence satisfactory to the Faculty of their fitness to undertake studies for the degree.

2 Duration of course

2.1 To qualify for the degree a candidate shall:

- (a) satisfactorily complete a course of study and research extending over not less than two years as a full-time student, and not less than three years as a part-time student; and
- (b) present a satisfactory dissertation on a research topic approved by the Faculty.

3 Review of academic progress

3.1 If in the opinion of the Faculty a candidate is not making satisfactory progress the Faculty may, with the consent of the Board of Graduate Studies, terminate the candidature.

4 General

4.1 A candidate shall submit for approval by the Dean the subject of the candidate's dissertation. The Dean shall appoint one or more supervisors to guide the candidate's research.

4.2 On completion of research work the candidate shall lodge with the Registrar of Graduate Studies three copies of the dissertation prepared in accordance with directions given to candidates from time to time. The Dean shall appoint two examiners, one of whom shall be external to the University.

4.3 A candidate who holds the Graduate Diploma in Music Theory shall surrender the Graduate Diploma before being admitted to the degree.

5 Admission requirements

5.1 To qualify for the degree of Master of Music Theory a candidate shall, unless exempt therefrom by the Dean satisfactorily complete all of the following subjects:

8965	Advanced Tonal Theory IV	4
6564	Advanced Tonal Analysis IV	4
1331	20th Century Techniques and Analysis IV	4
4796	Advanced Tonal Counterpoint IV	4
3803	Music Theory Research Project IV	6
3177	Music Theory Seminar IV	2
1895	Music Theory Seminar VA	4
1334	Music Theory Thesis VA	12
6833	Pedagogy of Music Theory V	4

and one elective subject to the value of 4 points from one of the Masters courses offered by the School.

Syllabuses

1895 Music Theory Seminar V(A)

4 points not offered in 2000

2 hour seminar a week or equivalent

The subject examines advanced theoretical concepts in music, their application in analytical and compositional process and their relation to performance practice.

assessment: oral presentation of a 5000 word paper, or equivalent

1334 Music Theory Thesis VA

4 points not offered in 2000

Regular supervision by appointment

prerequisites: Graduate Diploma in Music Theory

restriction: 3354 Music Theory Thesis V

A thesis on a topic not previously assessed of an analytical, philosophical and pedagogical type dealing with a music theory topic.

assessment: 12000-15000 word thesis

6022 Pedagogy of Music Theory VA

4 points not offered in 2000

prerequisites: Graduate Diploma in Music Theory

restriction: 6833 Pedagogy of Music Theory V

This subject primarily involves supervised attendance and participation (including taking selected classes) in the undergraduate music theory course. Familiarity with music theory teaching manuals and pedagogical theory publications will be assessed at the viva voce.

assessment: attendance and participation in selected undergraduate classes and viva voce at the end of the semester.

Faculty of Science

<http://www.science.adelaide.edu.au>

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Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General Course Rules to the Convenor of the Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific Course Rules to the Executive Deans of Faculties.
- 3 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty. The Head of department or centre may approve minor changes to any previously approved syllabus.
- 4 There is also a Doctor of Science in the Faculty of Science (D. Sc.) whose rules are available on application from the Faculty office.

Graduate Certificate in Petroleum Geology and Geophysics

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Certificate shall:

- (a) have qualified for the Ordinary degree of Bachelor of Science of the University with a major sequence in Geology or Geophysics, or hold qualifications from another institution accepted by the Faculty for the purpose; and
- (b) have obtained the approval of the Director of the National Centre for Petroleum Geology and Geophysics.

1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not qualify for admission to the course under 1.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of course

2.1 Except with the special permission of the Faculty the course for the Graduate Certificate shall be completed in at least one semester of full-time study or at least two semesters of part-time study.

3 Assessment and examinations

3.1 There shall be four classifications of Pass in each subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

- 3.2 (a) A candidate who fails in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application for such exemption.
- (b) A candidate who has twice failed the examination in any subject or division of a subject may not enrol for that subject

again except by special permission to be obtained in writing and then only under such conditions as may be prescribed.

- (c) For the purpose of this Rule, a candidate who is refused permission to sit for examination, or who fails, without a reason accepted by the Dean of Science (or nominee), to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least nine teaching weeks of that semester, shall be deemed to have failed the examination.

4 Course of study

4.1 A candidate for the Graduate Certificate shall regularly attend lectures and tutorials, do such written work and practical work as may be prescribed, and pass examinations in subjects to the value of 12 points.

4.2 The following shall be the subjects for the Graduate Certificate in Petroleum Geology and Geophysics:

5189 Petroleum Geology and Geophysics (A) 6
4746 Petroleum Geology and Geophysics (B) 6

4.3 The Faculty of Science may require a candidate to undertake additional work needed as background to the course.

Syllabuses

This course is intended for graduates in geology or geophysics to undertake specifically petroleum-related courses to enter that side of geology or, in view of the rapid expansion of geological knowledge, to update their skills in petroleum geology and geophysics. Consequently, the minimum requirement is a B.Sc. degree or equivalent with a major in geology or geophysics. Credit and above results are preferred but admission is at the discretion of the Director of the Centre with allowance made for experience in industry in lieu of a high pass.

The course comprises two 6-point subjects:

5189 Petroleum Geology and Geophysics (A)

and

4746 Petroleum Geology and Geophysics (B)

Coursework includes lectures, workshops and field work in the Centre taken in conjunction with 5844 Honours Petroleum Geology and Geophysics and the Masters course conducted from February to July each year.

The subjects include general geological topics such as basin analysis, sedimentology, diagenesis, and structure. Most of these topics are revised during the field trip to the Flinders Ranges. Geophysical topics include seismic interpretation, seismic acquisition and processing, and sequence stratigraphy. Topics specifically related to the petroleum industry include wireline logs, petrophysics and wellsite geology.

There is some scope for specialisation between geology and geophysics although both streams are required to do the majority of the course. Geologists may do petroleum geochemistry, applied palaeontology and isotope studies while the geophysicists concentrate on seismic acquisition, signal analysis and seismic processing. Topics related to the development of personal skills include economics, management and communication skills. Many of the topics covered above are drawn together in case studies and all are made relevant to the petroleum industry.

Assessment of the subjects is spread across a variety of formats. Formal written and oral assessments are conducted at the end of 5 to 6 week periods. Assessment is also conducted via marked practical exercises, assignments and seminars. A major essay on a topic agreed between the student and the Centre staff will account for 20% of the marks.

Intending students must apply, before the end of the year preceding that in which they wish to enrol, to the Director of the Centre, or nominee, for approval of their proposed courses of study.

For syllabus information on the above subject please refer to M.Sc.(Petrol G.&G.).

Graduate Certificate in Physics

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 An applicant for admission to the course of study for the Graduate Certificate shall have qualified for a degree of the University of Adelaide or hold qualifications from another institution accepted by the University for the purpose; and obtained the approval of the Department of Physics and Mathematical Physics.
- 1.2 Subject to the approval of Council, the Faculty may in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not hold the qualifications specified in 1.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of course

- 2.1 To qualify for the Graduate Certificate a candidate shall satisfactorily complete a course of full-time study extending over at least one semester or part-time study extending over at least two semesters.

3 Assessment and examinations

- 3.1 There shall be four classifications of pass in each subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.
- 3.2 (a) A candidate who fails in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application for such exemption.
- (b) A candidate who has twice failed the examination in any subject or division of a subject may not enrol for that subject again except by special permission to be obtained in writing and then only under such conditions as may be prescribed.

- (c) For the purpose of this Rule, a candidate who is refused permission to sit for examination, or who fails, without a reason accepted by the Head of the Department of Physics and Mathematical Physics, to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least nine teaching weeks of that semester, shall be deemed to have failed the examination.

4 Course of study

- 4.1 A candidate for the Graduate Certificate shall regularly attend lectures and tutorials, do such written work and practical work as may be prescribed, and pass examinations in a selection of options to an aggregate value of at least 12 points, including at least five points from options at Honours level.

The options may be chosen from:

- (a) Level III subjects offered by the Department of Physics and Mathematical Physics;
- (b) Level III subjects and Honours options offered by another Department of the University where appropriate; and
- (c) the following subjects:
- | | | |
|------|-------------------------------------|-----|
| 2695 | Advanced Astrophysics | 2.5 |
| 9766 | Advanced Atmospheric Physics | 2.5 |
| 6080 | Advanced Electromagnetism | 2.5 |
| 5019 | Atomic and Molecular Physics | 2.5 |
| 4928 | Cosmology | 2.5 |
| 2255 | Experimental Methods | 2.5 |
| 4578 | Gauge Theory | 2.5 |
| 3927 | General Relativity | 2.5 |
| 4476 | Laser Physics and Non-linear Optics | 2.5 |
| 9036 | Nuclear and Radiation Physics | 2.5 |
| 3907 | Nuclear Theory and Particle Physics | 2.5 |
| 5161 | Quantum Field Theory | 2.5 |

3681 Relativistic Quantum Mechanics
and Particle Physics 2.5

5938 Statistical Mechanics and Many
Body Theory 2.5

4.2 The Faculty of Science may require a candidate to undertake additional work needed as background to the course.

5 General

5.1 No candidate will be permitted to count for the Graduate Certificate any subject that, in the opinion of the Faculty, contains substantially the same material as any other subject which he or she has already presented for another qualification.

Syllabuses

The Department of Physics and Mathematical Physics offers a course leading to the Graduate Certificate in Physics. The aim of the course is to enable graduates of physics, or graduates of a related discipline, to further their knowledge of physics and obtain skills for career advancement or, in special cases, prepare to entry into the research program offered by the Department.

Graduates wishing to enrol should consult the Department of Physics and Mathematical Physics for advice and details of the options available. They are requested to commence their enquiries approximately two months before the semester in which they wish to commence their studies. The course will have a coherent theme. The initial selection of options will be made at the time of enrolment by the student in consultation with the Department, according to the student's background and interests. The course must be approved formally by the Head of Department or nominee.

See Master of Science (Physics) for syllabus details

Graduate Certificate in Science Education

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission

1.1 An applicant for admission to the course of study for the Graduate Certificate shall:

- (a) have qualified for a degree in science or mathematics and a Graduate Diploma in Education of the University or hold qualifications from another institution accepted by the University for the purpose.
- (b) have completed such other work as may be prescribed in the Specific Course Rules.

1.2 Subject to the approval of the Council, the Faculty may, in special cases and subject to such conditions as it may see fit to impose in each case, accept as a candidate for the Graduate Certificate a person who does not satisfy the requirements of 1.1 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2 Duration of course

2.1 Except with the special permission of the Faculty the course for the Graduate Certificate shall be completed in one semester of full-time study or not more than two years of part-time study.

3 Assessment and examinations

- 3.1 (a) A candidate who fails in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application for such exemption.
- (b) A candidate who has twice failed the examination in any subject or division of a subject may not enrol for that subject again except by special permission to be obtained in writing and then only under such conditions as may be prescribed.
- (c) For the purpose of this Rule, a candidate who is refused permission to sit for examination, or who fails, without a reason accepted by the Dean of Science

(or nominee), to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least nine teaching weeks of that semester, shall be deemed to have failed the examination.

4 Subjects of study

4.1 The following shall be the subjects for the Graduate Certificate in Science Education - Physics.

Group A

core subject

6217 Teaching/Learning Physics in the Secondary School 3

optional subjects

Educational Measurement and Evaluation 1.5

Microprocessors and Computers in Physics Education 1.5

Elements of Physics Curriculum Design 1.5

Physics Problem Solving 1.5

The Role of Practical Work in Physics Education 1.5

History and Methodology of Science 1.5

Educational Research and the Physics Teacher 1.5

Group B

core subject

2398 Concepts of Physics (Science Education) 3

optional subjects

Mechanics (Science Education) 1.5

Electromagnetism (Science Education) 1.5

Electronics (Science Education) 1.5

Waves (Science Education) 1.5

Atomic and Nuclear Physics (Science Education) 1.5

Heat and Thermodynamics (Science Education) 1.5

Project (Science Education) 1.5

Group C

Other science or science education subjects which may be offered from time to time, by this or other institutions, that are approved for the purpose by the Dean (or nominee).

A maximum of one subject from the following list of subjects offered by the Department of Education may be taken in lieu of a core subject or two optional subjects:

1595 Making Sense of the Scientific World	3
2502 Scientific Revolutions and Education	3
8671 The Nature of Science and Science Curricula	3

- 4.2 The following shall be the subjects for the Graduate Certificate in Science Education - Chemistry.

Group A

core subject

8132 Teaching/Learning Chemistry in Secondary Schools	3
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optional subjects

Educational Measurement and Evaluation	1.5
Computers in Chemical Education	1.5
Elements of Chemical Curriculum Design	1.5
Problem Solving in Chemistry	1.5
Practical work in the School Chemical Curriculum	1.5
The Methodology of Chemical Science	1.5
Educational Research and the Chemistry Teacher	1.5

Group B

core subject

1202 The General Concepts of Chemistry	3
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optional subjects

Chemistry of the Environment (Science Education)	1.5
From Atoms to Molecules (Science Education)	1.5
Electrons and Atoms (Science Education)	1.5
Topics in Current Chemistry (Science Education)	1.5
Chemistry and Life (Science Education)	1.5
Chemical and Physical Change (Science Education)	1.5
Chemical Industry in Australia (Science Education)	1.5

Group C

Other science or science education subjects which may be offered from time to time by this or other institutions, that are approved for the purpose by the Dean (or nominee).

A maximum of one subject from the following list of subjects offered by the Department of Education may be taken in lieu of a core subject or two optional subjects:

1595 Making Sense of the Scientific World	3
2502 Scientific Revolutions and Education	3
8671 The Nature of Science and Science Curricula	3

- 4.3 The following shall be the subjects for the Graduate Certificate in Science Education - Biology:

Bioethics and Experimental Design	1
Developmental Biology and Gene Regulation	1
Environmental Biology A: Ecology of Aquatic Systems	1
Environmental Biology B: Animal/Plant Relations	1
Fertilisation and Reproduction	1
Genetic Engineering and Recombinant DNA Techniques	1
Genetics and Molecular Biology	1
Immunology	1
Molecular Evolution	1
Plant Breeding and Disease Resistance	1
The Biology of Cancer	1
The Biology of Bacteria and Viruses	1

5 Course of study

- 5.1 To qualify for the Graduate Certificate in Science Education/Physics or Chemistry a candidate shall satisfactorily complete subjects from either 4.1 or 4.2 above with an aggregate points value of at least 12 satisfying the following requirements:

- (a) Unless otherwise permitted by the Faculty, the subjects presented for the Graduate Certificate must include both core subjects, 2 optional subjects from Group A and 2 from Group B. The Faculty may, in appropriate circumstances, allow a candidate to substitute for a core subject, 2 optional subjects from the same group.
- (b) The Faculty may, in appropriate circumstances, allow a candidate to substitute one or more Group C subjects for subjects required under (a) above.

- 5.2 To qualify for the Graduate Certificate in Science Education/Biology, a candidate shall satisfactorily complete subjects listed in 4.3 above to the value of at least 12 points.
- 5.3 The subjects presented for the Graduate Certificate shall not include any subject which is, in the opinion of the Faculty, substantially equivalent to another subject presented for the Graduate Certificate or already counted towards another qualification gained by the candidate.
- 5.4 Candidates wishing to enrol in subjects for which they do not have the necessary preliminary knowledge may be required to take such bridging studies prior to the commencement of their Graduate Certificate studies as may be deemed appropriate by the Dean (or nominee).
- 5.5 To complete a course of study, a candidate, unless exempted by the Faculty, shall:
 - (a) regularly attend the prescribed lectures, tutorials, workshops and seminars; and
 - (b) undertake such computing work, practical work, field work and case studies, do such reading, written and oral work and pass such examinations, as the Faculty may prescribe.
- 5.6 The syllabus for each subject for the Graduate Certificate shall specify whether passes shall be non-graded or whether there shall be four classifications of pass: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.
- 5.7 Each candidate's course of study must be approved by the Dean (or nominee) at enrolment each year.

Syllabuses

Biology

Not offered in 2000

The Biological Science Departments offer a Graduate Certificate in Science Education/Biology which is intended for the professional development of teachers of Biology in secondary schools.

The course consists of a number of relatively self-contained educational packages termed topic modules. Each topic module aims to highlight a fundamental scientific question in biology, and the various experimental approaches that have been and are currently being used to investigate the problem. In addition, topic modules will contain, as an integral component, material aimed at assisting teachers with the knowledge and skills needed to present biology as a science of fundamental relevance to everyday life. Topic modules will be related to the Year 11 and Year 12 (Stages I and II) SSABSA Biology Syllabuses, and will be presented by lectures, tutorials and practical classes. Topic modules will vary somewhat from year to year, depending on the availability of staff and the needs of Biology teachers.

Each topic module requires about 10 hours, comprising 3 lectures, 3 tutorials and 4 hours of practicals. In addition there will be a two-day field trip as part of the course.

The content of each module is described by its title.

assessment: written assignments

Chemistry

The Department of Chemistry offers a Graduate Certificate in Science Education in Chemistry which is intended for secondary school teachers of chemistry. The subjects are in two groups. The Group A subjects are largely methodological and the Group B subjects deal with chemistry as a discipline.

8132 Teaching/Learning Chemistry in Secondary Schools

3 points not offered in 2000

The subject is designed to provide the understanding and skills needed to present chemistry to students as a significant and important science.

1202 The General Concepts of Chemistry

3 points not offered in 2000

A review of the development of chemical and physical ideas and their similarities and differences. What is chemistry? The subject will emphasise the integrated use of concepts and ideas from different aspects of chemical science in providing a qualitative (and where appropriate,

a quantitative) interpretation and explanation for chemical phenomena and processes. The subject will be taught largely through tutorial discussions and guided presentations by students.

Physics

The Department of Physics and Mathematical Physics offers a Graduate Certificate in Science Education which is intended for teachers of physics in secondary schools. The subjects are in two groups. Group A subjects are largely methodological and Group B subjects deal with physics as a discipline. The syllabuses for the core subjects are as follows:

6217 Teaching/Learning Physics in the Secondary School

3 points not offered in 2000

This subject introduces teachers to significant knowledge and skills which will assist them to facilitate meaningful learning of physics by their students. Emphasis is placed on teaching and learning strategies and assessment procedures which encourage students to be active participants in the learning process and to accept increasing responsibility for their own learning. Topics include preconceptions that students bring to physics classes and how to identify and modify them, learning through guided experiences, questioning and explanations, group work, the role of language, problem solving, demonstrations and student practical work, gender inclusive teaching strategies, curriculum materials, and assessment.

A teaching/learning sequence developed from the SCIS learning cycle is discussed as a means of integrating a wide range of strategies as an example of a theory of instruction based upon an understanding of how children learn.

2398 Concepts of Physics (Science Education)

3 points not offered in 2000

This subject provides an overview of the main areas of physics and the concepts they embody, prior to a study of selected areas in more depth in the optional subjects. Areas examined are mechanics, fluids, heat, waves and sound, electromagnetism, optics, quantum physics and relativity. The emphasis is on a largely qualitative understanding of the phenomena, so as to directly facilitate subsequent verbal classroom explanations, and also to provide a solid basis upon which to build the more quantitative treatment in the optional subjects to follow. Much of the subject is spent on individual readings from the text and subsequent participation in tutorial discussions on the set exercises.

Graduate Diploma in Exercise Physiology

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 The Faculty of Science may accept as a candidate for the Graduate Diploma a person who has qualified for a degree of the University of Adelaide with a major sequence of study in Physiology, or a qualification of another institution accepted by the University for the purpose.
- 1.2 Subject to the approval of Council, the Faculty may in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not satisfy the requirements of 1.1 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.
- 1.3 A person whose qualifications have been accepted under 1.1 or 1.2 above and whose native language is not English may be admitted to the course subject to satisfactory performance in an English language test.
- 1.4 A person who has completed part of the requirements for the Master of Science (Exercise Physiology) at the University may be admitted to candidature for the relevant Graduate Diploma, with such credit as the Faculty may determine. Such applicants will discontinue their candidature for the Master of Science.

2 Duration of course

- 2.1 To qualify for the Graduate Diploma a candidate shall satisfactorily complete a course of full-time study extending over at least two semesters or the equivalent in part-time study.

3 Assessment and examinations

- 3.1 There shall be four classifications of pass in each subject for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.
- 3.2 (a) A candidate who fails in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching

staff concerned may prescribe, unless specifically exempted therefrom after written application for such exemption.

- (b) A candidate who has twice failed the examination in any subject or division of a subject may not enrol for that subject again except by special permission to be obtained in writing and then only under such conditions as may be prescribed.
- (c) For the purpose of this Rule, a candidate who is refused permission to sit for examination, or who fails, without a reason accepted by the Dean of Science (or nominee), to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least nine teaching weeks of that semester, shall be deemed to have failed the examination.

4 Course of study

- 4.1 Unless exempted therefrom by the Faculty, every candidate for the Graduate Diploma in Exercise Physiology shall satisfactorily complete the following subjects to the value of 24 points:

1148	Advanced Studies in Exercise Physiology Part I	6
7954	Advanced Studies in Exercise Physiology Part II	6
8208	Research Methodology in Physiology	6
7276	Research Project Practical in Exercise Physiology	6

Syllabuses

Note: this course will not be offered in 2000

For other syllabus details please refer to the Master of Science (Exercise Physiology).

8208 Research Methodology in Physiology

6 points semester 1

2 hours per week

A series of seminars, colloquia and journal clubs directed at exploring all aspects of the scientific method of research. Some of the topics considered include preparation of a literature review, research project development, experimental design, techniques in statistical analysis, data acquisition and processing methodologies, oral and written research communication techniques, preparation of scientific manuscripts, etc.

assessment: students are assigned to a topic for the research project practical in semester 2 and use this as their model in research methodology in physiology. Assessment includes oral communication on background and proposed experimentation in their chosen project (midway through semester 1); 5000 word background literature review and research proposal (end of semester 1); scientific manuscript critique

7276 Research Project Practical in Exercise Physiology

6 points semester 2

4 hours per week

prerequisites: 1148 Advanced Studies in Exercise Physiology Part 1; 8208 Research Methodology in Physiology

The Department of Physiology has an innovative research program in exercise physiology with full infrastructure support. Given that the experiments will be on human subjects, candidates will work as part of a research team but will be assessed independently. The candidates in a research group will choose their own area of research during semester 1 and the execution of the project will provide excellent training in problem-solving strategies. This experience will provide an excellent basis for whichever career field they intend to enter after graduation.

assessment: completion of detailed research-style application and ethics clearance forms; presentation of results as both a poster and oral communication; presentation of final report as a scientific manuscript (it is hoped that some of these may be submitted for publication). Precise written assessment criteria will be provided to candidates

Graduate Diploma in Physics

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the course of study for the Graduate Diploma shall:

- (a) have qualified for a degree of the University or for a degree of another institution accepted for the purpose by the University.
- (b) have obtained the approval of the Department of Physics and Mathematical Physics.

1.2 Subject to the approval of the Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the Graduate Diploma a person who does not qualify for admission to the course under 1.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2 Duration of course

2.1 To qualify for the Graduate Diploma a candidate shall satisfactorily complete a course of full-time study extending over at least one year or part-time study extending over at least two years.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 (a) A candidate who fails to pass in a subject and desires to take the subject again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe, unless specifically exempted therefrom after written application to the Registrar for such exemption.

- (b) A candidate who has twice failed the examination in any subject or division of a subject may not enrol for that subject again except by special permission to be obtained in writing from the Registrar and

then only under such conditions as may be prescribed.

- (c) For the purpose of this Rule a candidate who is refused permission to sit for examination, or who, without a reason accepted by the Head of the Department of Physics and Mathematical Physics as adequate, fails to attend all or part of a final examination (or supplementary examination if granted) after remaining enrolled for at least nine teaching weeks of that semester, shall be deemed to have failed the examination.

4 Course of study

4.1 A candidate for the Graduate Diploma shall regularly attend lectures and tutorials, do such written work and practical work as may be prescribed, and pass examinations in a selection of Level III subjects and Honours options* offered by the Department of Physics and Mathematical Physics, or another Department of the University where appropriate, to an aggregate value of at least 16 points.

4.2 In addition to the coursework each student will be expected to be associated with one of the research groups of the Department and to complete a project chosen in consultation with and supervised by a member of the group. The project has a value of 8 points:

6089 Diploma Project (Physics)

4.3 The Faculty of Science may require a candidate to undertake additional work needed as background to the course.

notes (not forming part of the Specific Course Rules)

The Honours options may be chosen from the following subjects:

2695	Advanced Astrophysics	2.5
9766	Advanced Atmospheric Physics	2.5
6080	Advanced Electromagnetism	2.5
5019	Atomic and Molecular Physics	2.5
4928	Cosmology	2.5
2255	Experimental Methods	2.5
4578	Gauge Theory	2.5

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3927	General Relativity	2.5
4476	Laser Physics and Non-linear Optics	2.5
9036	Nuclear and Radiation Physics	2.5
3907	Nuclear Theory and Particle Physics	2.5
5161	Quantum Field Theory	2.5
3681	Relativistic Quantum Mechanics and Particle Physics	2.5
5938	Statistical Mechanics and Many Body Theory	2.5

and any other subjects that may be approved by the Dean (or nominee).

The number to be offered in any year will be dependent on staff availability and student demand.

Syllabuses

The Department of Physics and Mathematical Physics offers a Graduate Diploma in Physics, the aim of which is to assist graduates of physics, or graduates in related disciplines, to further their knowledge of physics and to gain familiarity with experimental and computational techniques in areas of current research.

Coursework options will normally be selected from Level III subjects and Honours subjects offered by the Department, but may also be taken from courses given in other departments, where appropriate. No subject or option counted toward another course may be counted towards the diploma. The course will have a coherent theme. The initial selection of options is made at enrolment time by the student in consultation with the Department, according to the students background, interests, and choice of diploma project.

The diploma project will normally be in the field of one of the research groups in the Department and will involve the student in the work of the group. Emphasis will be placed on gaining practical experience with modern research tools, using the Department's experimental and computing facilities.

Graduates wishing to enrol should consult the Department of Physics and Mathematical Physics for advice and details of the options available. They are requested to commence their enquiries approximately two months before the semester in which they wish to begin their studies. At enrolment, options are selected in consultation with the Department, and the course must be approved formally by the Head of Department or nominee.

See Master of Science (Physics) for syllabus details

Master of Science in the Faculty of Science

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 The following persons may become candidates for the degree of Master of Science in the Faculty of Science (a) persons qualified for the degree of Bachelor of Science, (b) Bachelor of Agricultural Science, and (c) others having qualified for a degree, whose academic qualifications are accepted by the Faculty of Science as sufficient:
- 1.2 Provided that, subject to the approval of the Council, the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not hold a degree of a university, but has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.
- 1.3 Unless an Honours degree of Bachelor of Science or Agricultural Science or a qualification accepted by the Faculty as being equivalent has been obtained, the applicant shall before being admitted as a candidate complete a course of study as prescribed by the Faculty and pass a qualifying examination of an Honours standard. This shall be completed within one year if the study is undertaken on a full-time basis or two years if it is undertaken on a part-time or external basis except where the Faculty grants an extension of time.
- 1.4 A candidate who holds the Honours degree of Bachelor of Science or Bachelor of Agricultural Science or its equivalent in a university recognised by the University of Adelaide may proceed to the degree of Master of Science in the Faculty of Science at the expiration of one year from the date of his or her admission to the Honours degree of Bachelor; no other candidate shall proceed to the degree before the expiration of two years from the date of the beginning of his or her candidature.

2 Qualification requirements

- 2.1 To qualify for the degree a candidate shall submit a thesis upon an approved subject and shall adduce sufficient evidence that the thesis is

his or her own work. The thesis shall give the results of original research or of an investigation on which the candidate has been engaged. A candidate may also submit other contributions to science in support of his or her candidature.

- 2.2 A person seeking enrolment as a candidate for the degree shall apply to the Registrar and shall submit as part of his or her application, a statement of his or her academic standing, accompanied, in the case of a person who is not a graduate of the University of Adelaide, by acceptable proof of such standing and an outline of the research work or investigation on which he or she intends to submit a thesis. The Faculty of Science, if it approves the subject of a candidate's research, may appoint a supervisor to guide the candidates in their work.

3 Duration of course

- 3.1 A candidate may proceed to the degree by full-time or part-time study, or as an external student. Except by special permission of the Faculty, the work for the degree shall be completed and the thesis submitted:
 - (a) in the case of a full-time candidate, not less than one year nor more than three years from the date of candidature accepted by the Faculty;
 - (b) in the case of a part-time or external candidate, not less than two years nor more than six years from the date of candidature accepted by the Faculty.

4 Assessment and examinations

- 4.1 The content and method of assessment of any course of advanced study shall be approved by the department or departments concerned and by the Faculty. Assessment shall in every case be by not less than two examiners of whom at least one shall be external to the University.
- 4.2 (a) The Faculty shall appoint at least two examiners of the thesis of whom at least one shall be external. The examiners may recommend to the Faculty that the thesis:

- (i) be accepted *or*
 - (ii) be accepted but that minor corrections be made to the thesis *or*
 - (iii) be accepted subject to the specified corrections being made to the satisfaction of the University *or*
 - (iv) be returned to the candidate for revision and re-submission to the examiner (within such period as the Faculty may allow) *or*
 - (v) be rejected
- (b) The examiners of a thesis resubmitted following recommendation (iii) may recommend only (i), (ii) or (iv).
- 4.3** A candidate for the degree of Doctor of Philosophy or Doctor of Science whose work is considered by the Faculty, after report by the examiners appointed to adjudicate upon it, not to be of sufficient merit to qualify for the degree of Doctor but of sufficient merit for the degree of Master may be admitted to the degree of Master provided that he or she is qualified to become a candidate for the degree.

5 Review of academic progress

- 5.1** If, in the opinion of the Faculty a candidate is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature and the candidate shall thereupon cease to be enrolled for the degree.

6 General

- 6.1** A candidate who complies with the foregoing conditions and satisfies the Board of Examiners shall on the recommendation of the Faculty of Science in the Faculty of Science.

Master of Science (Applied Physics)

Master of Science (Astrophysics)

Master of Science (Atmospheric Physics)

Master of Science (Optics and Lasers)

Master of Science (Theoretical Physics)

The above awards have been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 (a) The Faculty may accept as a candidate for the degree any person who has qualified for an Honours degree of Bachelor of Science in Physics of the University of Adelaide or of another institution accepted for the purpose by the University *or*

(b) The Faculty may accept as a candidate a person who has qualified for an Ordinary degree of Bachelor of Science of the University of Adelaide, or another institution accepted by the University for the purpose, with a major sequence in Physics and appropriate professional experience *or*

(c) Subject to the approval of Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not hold the qualifications specified in 1.1(a) above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

1.2 A candidate admitted under 1.1(b) or 1.1(c) above may be required to undertake such preliminary work as the Faculty may determine.

2 Qualification requirements

2.1 To qualify for the degree a candidate shall:

(a) satisfy examiners in subjects of study as prescribed in the Specific Course Rules *and*

(b) present a satisfactory research report on a subject approved by the Head of Department.

2.2 On the completion of the research report the candidate shall lodge with the Head of Department two copies of the research report prepared in accordance with directions given to candidates from time to time. No research report or material presented for any other degree within this or any other institution shall be submitted.

3 Duration of course

3.1 Except with the permission of the Faculty, the subjects of study and research report shall normally be completed in three semesters of full-time study or the equivalent of part-time study.

4 Review of academic progress

4.1 If in the opinion of the Faculty a candidate for the degree is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature and the candidate shall cease to be enrolled for the degree.

5 Course of study

5.1 Unless exempted therefrom by the Faculty of Science every candidate for the degree shall satisfactorily complete units to the value of at least 36 points from the following components:

(a) Coursework comprising options with an aggregate value of at least 16 points. These options may be chosen from:

(i) Level III subjects offered by the Department of Physics and Mathematical Physics

(ii) Level III subjects and Honours options offered by another Department of the University where appropriate

(iii) and the following subjects

2695	Advanced Astrophysics	2.5
9766	Advanced Atmospheric Physics	2.5
6080	Advanced Electromagnetism	2.5
5019	Atomic and Molecular Physics	2.5
4928	Cosmology	2.5
3927	General Relativity	2.5
2255	Experimental Methods	2.5
4578	Gauge Theory	2.5
4476	Laser Physics and Non-linear Optics	2.5
9036	Nuclear and Radiation Physics	2.5
3907	Nuclear Theory and Particle Physics	2.5
5161	Quantum Field Theory	2.5
3681	Relativistic Quantum Mechanics and Particle Physics	2.5
5938	Statistical Mechanics and Many Body Theory	2.5

(b) An advanced topic in Applied Physics, Astrophysics, Atmospheric Physics, Optics and Lasers or Theoretical Physics with a value of 8 points

(c) An approved research project with a value of 12 points.

5.2 There shall be four classifications of pass in any subject for the degree: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass. A pass in a research project shall be classified as satisfactory.

5.3 The Faculty of Science may grant status in subjects for Honours or postgraduate study undertaken in another course in the University or in another university or tertiary institution.

5.4 A candidate's enrolment in subjects of study and choice of supervisor or supervisors must be approved by the Head of the Department of Physics and Mathematical Physics, or the course coordinator, at enrolment each year.

5.5 The Faculty of Science may require a candidate to undertake additional work needed as background to the course, where a student has not completed an Honours degree.

Syllabuses

The Department of Physics and Mathematical Physics offers a course leading to the degree of Master of Science in a special physics topic. The special topics offered are Applied Physics, Atmospheric Physics, Astrophysics, Optics and Lasers, and Theoretical Physics. The aim of the course is to enable graduates of physics, or graduates of a related discipline, to further their knowledge of physics and prepare for entry into the research program offered by the Department or obtain skills for career advancement. Graduates wishing to enrol should consult the Department of Physics and Mathematical Physics for advice and details of the options available. They are requested to commence their enquiries approximately two months before the semester in which they wish to begin their studies. The initial selection of options will be made at the time of enrolment by the student in consultation with the Department, according to the student's background, interests and choice of special topic. The course options and project topic must be formally approved by the Head of Department or nominee.

Syllabuses for the subjects listed in the Specific Course Rules above and in the Specific Course Rules for the Graduate Certificate in Physics and Graduate Diploma in Physics are as follows (Syllabuses for Level III subjects may be found under the B.Sc. in the Calendar, Volume II: Part I - Undergraduate Courses):

2695 Advanced Astrophysics

2.5 points semester 1 or 2

A survey of the Universe at all scales and wave lengths/energies. Stellar astrophysics, and studies of the interstellar medium and magnetic fields. Cosmic ray acceleration and propagation; pulsars, gamma-ray astrophysics; radio and x-ray astronomy. Space experiments including HST and COBE.

assessment: written exam, marked assignments, short presentation on topic of interest.

9766 Advanced Atmospheric Physics

2.5 points semester 1 or 2

A review of radiation and fluid dynamics and their role in planetary atmospheres and ionospheres.

assessment: written exam, marked assignments

6080 Advanced Electromagnetism

2.5 points semester 1 or 2

Boundary value problems, with applications to electrostatics and magnetostatics, time varying fields, and radiating systems.

assessment: written exam, marked assignments

9517 Advanced Topic in Physics

8 points semester 1 or 2

Supervised reading: a review of contemporary developments and research in applied physics, astrophysics, atmospheric physics, optical lasers or theoretical physics.

assessment: marked report, seminar presentation

5019 Atomic and Molecular Physics

2.5 points semester 1 or 2

A review of atomic structure theory. The dynamics and spectra of small molecules.

assessment: written exam, marked assignments

4928 Cosmology

2.5 points semester 1 or 2

Theoretical and observational foundations of cosmology; relativistic theories, black body radiations, and inflation and galaxy formation.

assessment: written exam, marked assignments

2255 Experimental Methods

2.5 points semester 1 or 2

An introduction to statistical and Fourier techniques, with applications to experimental design and data analysis.

assessment: written exam, marked assignments

4578 Gauge Theory

2.5 points semester 1 or 2

An introduction to quantised non-Abelian gauge theories, including Feynman diagrams, weak models, and quantum chromodynamics.

assessment: written exam, marked assignments

3927 General Relativity

2.5 points semester 1 or 2

An outline of differential geometry with applications to General Relativity, including the Schwarzschild solutions, weak fields and gravitational waves.

assessment: written exam, marked assignments

4476 Laser Physics and Non-Linear Optics

2.5 points semester 1 or 2

assumed knowledge: 6459 Electromagnetism and Optics

A review of laser physics and an introduction to non-linear optical phenomena with applications.

assessment: written exam, marked assignments

9036 Nuclear and Radiation Physics

2.5 points semester 1 or 2

assumed knowledge: Level III Physics.

Production, transmission and measurement of ionising radiation, with medical and environmental, taught from experimental viewpoint applications.

assessment: written exam, marked assignments

3907 Nuclear Theory and Particle Physics

2.5 points semester 1 or 2

A discussion of local gauge theories and particularly quantum chromodynamics, with applications.

assessment: written exam, marked assignments

5156 Quantum Field Theory

2.5 points semester 1

content: photons and the electromagnetic field, Lagrangian field theory and Klein-Gordon field, the Dirac field and photons: co-variant theory, the S-matrix expansion, Feynman diagrams and rules in QED; QED processes in lowest order, radiative corrections.

assessment: written exam, marked assignments

3681 Relativistic Quantum Mechanics and Particle Physics

2.5 points semester 1 or 2

Relativistic wave equations, including Dirac equations, spinors, and introduction to field quantisation.

assessment: written exam, marked assignments

8156 Research Project (M.Sc.Physics)

12 points semester 1 or 2

Supervised research project, usually in the same area as the advanced topic selected for subject 9517 Advanced Topic in Physics.

assessment: research project, report and seminar

5938 Statistical Mechanics and Many Body Theory

2.5 points semester 1 or 2

A review of the aims and methods of classical and quantum statistical mechanics, with emphasis on the application of lattice models to phase transitions, and the simulation of quantum field theories.

assessment: written exam, marked assignments

Master of Science (Exercise Physiology)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

- 1.1 (a) The Faculty of Science may accept as a candidate for of the degree a person who has qualified for the Honours degree of Bachelor of Science in Physiology, the degrees of Bachelor of Medicine and Bachelor of Surgery or the degree of Bachelor of Dental Surgery of the University, or who holds a qualification of another institution accepted by the University for the purpose.
- (b) The Faculty of Science may accept as a candidate for of the g degree a person who has qualified for an Ordinary degree of Bachelor of Science of the University with a major in Physiology, or who holds a qualification of another institution accepted by the University for the purpose and provides satisfactory evidence of suitable experience.
- 1.2 Subject to the approval of the Council the Faculty may in special cases and subject to such conditions (if any) as it may see fit to impose in each case accept as a candidate for either of the degrees an applicant who does not qualify for admission to the course under 1.1 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.
- 1.3 A candidate admitted under 1.2 above may be required to complete satisfactorily such preliminary work as the Faculty may determine.
- 1.4 A person whose qualifications have been accepted under 1 above and whose native language is not English may be admitted to the course subject to satisfactory performance in an English Language test.

2 Qualification requirements

- 2.1 To qualify for the degree a candidate shall:
- (a) satisfy examiners in subjects of study as prescribed in the Specific Course Rules
- (b) present a satisfactory research report on a subject approved by the Head of the Department of Physiology.

3 Duration of course

- 3.1 Except with the permission of Faculty, the subjects of study and the Research Project shall normally be completed in three semesters of full-time study or the equivalent in part-time study.

4 Assessment and examinations

- 4.1 There shall be four classifications of Pass in all subjects: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass
- 4.2 On completion of the Research Project the candidate shall lodge with the Head of Department two copies of the research report prepared in accordance with directions given to candidates from time to time. No material presented for any other degree within this or any other institution shall be submitted.

5 Review of academic progress

- 5.1 If in the opinion of the Faculty a candidate for the degree is not making satisfactory progress the Faculty may, with the consent of the Council, terminate the candidature and the candidate shall cease to be enrolled for the degree.

6 Course of study

- 6.1 Unless exempted therefrom by the Faculty of Science, every candidate for the Master of Science (Exercise Physiology) shall complete satisfactorily units to the value of at least 36 points as follows:
- | | |
|--|---|
| 9953 Cellular Mechanisms in Human Movement Part I | 6 |
| 7519 Cellular Mechanisms in Human Movement Part II | 6 |
| 1148 Advanced Studies in Exercise Physiology Part I | 6 |
| 7954 Advanced Studies in Exercise Physiology Part II | 6 |
| 5375 Research Project in Exercise Physiology | 1 |

Syllabuses

Note: this course will not be offered in 2000.

9953 Cellular Mechanisms in Human Movement Part I

6 points semester 1

3 hours per week

Part I of the course is directed at exploring the cellular bases of neuromuscular function as they relate to human movements and performance

assessment: acquisition of factual knowledge base from didactic components of program - written exam; candidates ability to use knowledge and practical skills in a problem solving context; written assignments

7519 Cellular Mechanisms in Human Movement Part II

6 points semester 2

3 hours per week

Part II of the course is directed at exploring the cellular basis of human movements and performance.

assessment: as for 9953 above

1148 Advanced Studies in Exercise Physiology Part I

6 points semester 1

4 hours per week

Part I of the advanced program will be concerned with a detailed analysis of the fundamental principles of the human physiological response to exercise, concentrating on energy delivery and the intricacies of integrative control and homeostasis and exploring the latest concepts and research initiatives in these areas. Environmental and comparative aspects of human performance will also be considered.

assessment: acquisition of factual knowledge base from didactic components of the Advanced Studies program by written exam; candidates ability to use knowledge and practical skills in a problem-solving context; written assignments

7954 Advanced Studies in Exercise Physiology Part II

6 points semester 2

4 hours per week

Part II of the advanced studies program will be concerned with the more applied aspects of human physical performance in general population across the

broad age, gender and health spectra. The scientific basis to the physiological response to physical activity, its consequences and particular features will be considered in individuals with cardio-respiratory, neuromuscular and other diseases, in the several recognised age groupings of the population and in elite athletes involving a spectrum of physical demands. In all of the above the consequences peculiar to each gender will be highlighted, discussed and compared.

assessment: as for 1148 above

5375 Research Project in Exercise Physiology

12 points semester 1

8 hours per week

The Department of Physiology has an innovative research program in exercise physiology with full infrastructure support. Given that the experiments will be on human subjects, candidates will work usually as part of a research team but will be assessed independently. Students will be given advice on potential research topics but may choose their own area of research. The execution of the project will provide excellent training in problem-solving strategies and provide an excellent basis for whichever career field students enter after graduation.

assessment: preparation of background literature review for proposed project, completion of detailed research-style application and ethics clearance forms; presentation of results as a poster and oral communication; presentation of final report as scientific manuscript. It is hoped that some of these may be submitted for publication. Precise written assessment criteria will be provided to the candidates for every form of assessment

Master of Science (Medical Physics)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

An applicant for admission to the Master of Science (Medical Physics) shall

- 1.1 (a) have qualified for an Honours degree of Bachelor of Science in Physics of the University of Adelaide or of another institution accepted for the purpose by the University
- (b) have qualified for an Ordinary degree of Bachelor of Science of the University of Adelaide, or another institution accepted by the University for the purpose, with a major sequence in Physics and have appropriate practical experience.
- 1.2 Applicants deemed to have a deficiency in some part of their preparation for candidature may be required to complete prescribed preliminary work and thereafter, or alternatively to complete a prescribed course of study and pass a qualifying examination of honours standard.
- 1.3 The Board of Graduate Studies acting with authority devolved to it by Council may in special cases and subject to such conditions (if any) as it sees fit to impose in each case, accept as a candidate for the degree a person who does not hold the qualifications specified in 1.1 above, but who has given satisfactory evidence of their fitness to undertake work for the degree.

2 Qualification requirements

- 2.1 To qualify for the degree a candidate shall:
 - (a) satisfy examiners in subjects of study as prescribed in the Specific Course Rules *and*
 - (b) present a satisfactory thesis on a subject approved by the Board. The thesis shall give the results of original research or of an investigation on which the candidate has been engaged.

3 Duration of course

- 3.1 Except with the permission of the Faculty, the subjects of study and the thesis shall be completed:

- (a) in not less than one year nor more than two years of full-time study or
- (b) in not less than two years nor more than four years of part-time study.

3.2 A candidate who withdraws from all of the subjects in which he or she is enrolled in any one year or who fails to re-enrol after being enrolled in the previous year may only re-enrol in a subsequent year with the approval of the Board and under such conditions as the Board may impose in each case.

3.3 A candidate proceeding with the thesis whose work is interrupted for a period of time may be granted an intermission of candidature by the Board. If such an application is approved the maximum period specified in 3.1 will be adjusted accordingly by adding the length of the intermission.

4 Review of academic progress

4.1 The progress of each candidate shall be reviewed annually and satisfactory progress shall be a condition of re-enrolment. Should the candidate's work be unsatisfactory further review and action shall be taken in accordance with University policies and procedures.

5 Course of study and thesis requirements

5.1 Unless exempted therefrom by the Board every candidate for the degree shall complete work to the value of 36 points comprising the following components:

- (a) Coursework, comprising the following compulsory subjects to the value of 8 points:
 - 3327 Radiation Biology, Protection and Epidemiology *and*
 - Anatomy and Physiology M (taught by University of South Australia)
- (b) Coursework comprising one of the following optional units to the value of 4 points:

1451 Radiology Physics

2013 Radiotherapy Physics

2203 Environmental and Mining Health
Physics

- (c) A thesis on an approved research project with clinical or field application, undertaken at an approved research institution, to the value of 24 points.

6 Assessment and examinations

- 6.1 On completion of the thesis the candidate shall lodge with the Registrar of Graduate Studies three copies of the thesis prepared in accordance with directions given to candidates from time to time. Refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume. No thesis or material presented for any other degree within this or any other institution shall be submitted.
- 6.2 The Board shall appoint two examiners for the thesis, not less than one of whom shall be external to the University.
- 6.3 There shall be four classifications of pass in any subject for the degree: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass.
- 6.4 The Board may grant status in subjects for Honours or postgraduate study undertaken in another course in the University or in another university or tertiary institution.
- 6.5 A candidate's enrolment in subjects of study and choice of supervisor or supervisors must be approved by the Head of the Department of Physics and Mathematical at enrolment each year.
- 6.6 The examiners appointed under 6.2 above after interviewing the student, may recommend that:
- (a) the thesis be accepted *or*
 - (b) the thesis be not accepted but the candidate be permitted to resubmit it in a revised form *or*
 - (c) the thesis be rejected.

Note: For information on regulation, rules, and syllabus details for the M.Sc. (Med. & Health Physics) please refer to *The University Calendar Volume II: Handbook of Courses, 1997*

Syllabuses

This professional research degree aims to provide a bridge between the training of a professional physicist and the specialised knowledge and experience required in a clinical or field situation where the physicist is required to interact effectively with medical, technical and health professionals. It will enable the graduate to become productive more quickly, and will provide research training in an appropriate area of specialised interest. As such, it is a useful preliminary to Ph.D. study.

The degree involves close cooperation with the Royal Adelaide Hospital. Some coursework subjects may not be offered every year. The specialised units may be offered with the assistance of visiting lecturers.

The following lecture subjects, eg, 3327 Radiation Biology, Protection and Epidemiology are offered on the World Wide Web: <<http://www.physics.adelaide.edu.au/medical/RBPE.html>>; 2013 Radiotherapy Physics: <<http://www.physics.adelaide.edu.au/medical/RT.html>> A password is required.

It is envisaged that the degree can be completed in three semesters of full time study including a summer semester for the research project. A total of 36 points is required to complete the degree. Three coursework subjects to a total of 12 points are required, including Anatomy and Physiology M, 3327 Radiation Biology, Protection and Epidemiology, and one of 2013 Radiotherapy Physics, 1451 Radiology Physics or 2203 Environmental and Mining Health Physics. A knowledge of the honours unit Nuclear and Radiation Physics is assumed. Separate units normally count 4 points, except for the Research Project, 24 points. Status may be given in subjects taken previously up to 4 points.

It is permissible for students to enrol for individual units for credit without intending to complete the masters degree. Such entry is open to graduates in science, medicine or engineering.

timetable

Detailed timetables are issued at the beginning of each academic semester.

textbooks

Reading lists are provided by the Department throughout the course.

assessment

Each subject may be examined immediately after formal instruction has been completed, or continuous assessment may be used. On submission of the

research project thesis, the student is invited to give a group seminar on the work. In addition, candidates are expected to become conversant with the literature in the project area and to attend seminars and conferences if possible.

compulsory subjects

Anatomy and Physiology M

semester 2

Taught by University of South Australia, School of Pharmacy and Medical Laboratory Science. Students should enrol at the University of South Australia by cross-institution enrolment.)

Lectures, tutorials and practicals

Chordate anatomy and physiology: circulatory system, respiratory system, alimentary system, excretory system, skeletal and muscular system, reproductive system, defence system, nervous system, endocrine systems. Developmental biology: basic processes, control mechanisms, human ecology.

assessment: written exam

3327 Radiation Biology, Protection and Epidemiology

Semester 1 or 2

assumed knowledge: Nuclear and Radiation Physics

Molecular biology and genetics, effect of radiation and ultraviolet light on tissues and organs, clinical symptoms, late effects, absorbed dose, LET, RBE, radiation chemistry, genetic doubling doses in animals and man, expectations at low doses (adults vs. embryos), DNA, chromosomal and cellular effects, repair mechanisms and repair-deficient disorders, implications for protection, accidents and emergencies, epidemiological studies, measures of association, and causation, radon exposures, atomic bomb survivors, cancer and background radiation levels, risk factors and risk assessment, preparedness and planning, decontamination, waste-disposal, handling of radioactive sources and X-ray apparatus, statistics, compartmental analysis, acute and chronic exposure, recommendations of ICRP, legislation and codes of practice. Infrared, microwaves and electromagnetic fields.

assessment: assignments, essay 50%; exam 50%

optional subjects

2203 Environmental and Mining Health Physics

Semester 1 or 2

Exposure pathways, radon, mining and milling, naturally occurring radioactivity and series, mineral sands, wastes and waste management, environmental impacts. The general mechanisms of physical control, eg, time/distance/shielding, delay and decay, dilute and disperse, concentrate and contain. The general mechanisms of institutional control, regulatory regimes in Australia, ICRP, NHMRC, State regulations, licensing and registration. The ICRP scheme of things, control of quantitative risk, ALARA principle. Modelling, pathways, monitoring, the concept of critical group, UNSCEAR. Radiation in the workplace, sealed sources, unsealed sources, natural sources in mining and milling, monitoring and control, accidents and emergencies.

Case studies, eg, uranium mines, rehabilitated and abandoned sites, rare earth plants, radwaste disposal sites, nuclear fuel cycle.

assessment: assignments 50%; written exam 50%

1451 Radiology Physics

semester 1 or 2

General overview of image process and perception. Conventional radiology including diagnostic X-ray machines, image formation and enhancement (basic radiation interaction processes, attenuation, filtration, beam restriction, filters, grids, geometric effects, intensifiers). Photographic properties of X-ray film, X-ray image formation. Special techniques (cinefluorography, mammography, axial tomography, TV techniques, stereoscopy and subtraction techniques). Xeroradiography, computerised tomography and digital techniques. Theory of image processing, 3-D reconstruction and rendering, cost/benefit and risk analysis. Quality assurance and ethics.

assessment: assignments, essay 50%; written exam 50%

2013 Radiotherapy Physics

Semester 1 or 2

Superficial and deep X-ray units, ^{137}Cs and ^{60}Co units, electron accelerators. Electron and photon interactions in biological tissues. Bragg-Gray theory and electronic equilibrium. Depth-dose curves and dose profiles. Primary and scattered radiation. Tissue-air ratios, tissue maximum ratios. Effects of source geometry, collimation and scattering media. Modelling of radiotherapy beam (equivalent path length, effective tissue air ratios, Batho power law, superposition theory and Monte Carlo modelling). Introduction to treatment planning. Radiotherapy dose meters and instrumentation. Calibration (dosimetry protocols) and quality assurance, beam data acquisition. Clinical radiobiology including tumour control probability, tissue tolerance, modelling and effects of oxygen tension, tumour volume, fractionation and particle LET. Brachytherapy. Neutron, neutron capture and pion and proton therapy. Dosimetry of internally deposited radionuclides and therapeutic techniques using unsealed sources (^{32}P , ^{131}I and ^{153}Sm).

assessment: assignments, essay 50%; exam 50%

Master of Science in Petroleum Geology and Geophysics

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 The Faculty of Science may accept as a candidate for the degree any person who has qualified for:

- (a) an Honours degree of Bachelor of Science with honours in Geology or Geophysics of the University of Adelaide or of another university *or*
- (b) an Ordinary degree of Bachelor of Science of the University of Adelaide or another university with a major sequence of study in Geology or Geophysics, and appropriate practical experience.

1.2 Subject to the approval of the Council and subject to such conditions as it may see fit to impose in each case, the Faculty of Science may accept as a candidate for the degree a person who does not meet the requirements specified in 1.1 above if it is satisfied that he or she is likely to be able satisfactorily to undertake work for the degree.

1.3 The Faculty of Science may require a candidate to complete satisfactorily such additional work as it may prescribe.

2 Qualification requirements

2.1 To qualify for the degree a candidate shall:

- (a) satisfy examiners in subjects of study as prescribed in the Specific Course Rules;
- (b) comply with conditions as prescribed in the Specific Course Rules; and
- (c) present a satisfactory thesis on a subject approved by the Faculty of Science. The thesis shall give the results of original research or of an investigation on which the candidate has been engaged.

3 Duration of course

3.1 Except with the permission of the Faculty, the subjects of study and the thesis shall be completed:

- (a) in not less than one year nor more than two years of full-time study *or*

- (b) in not less than two years nor more than four years of part-time study.

3.2 A candidate who withdraws from all of the subjects in which he or she is enrolled in any one year or who fails to re-enrol after being enrolled in the previous year may only re-enrol in a subsequent year with the approval of the Faculty, and under such conditions as the Faculty may impose in each case.

3.3 A candidate proceeding with the thesis whose work is interrupted for a period of time may be granted an intermission of candidature by the Dean on behalf of the Faculty. If such an application is approved the maximum period specified in 3.1 will be adjusted accordingly by adding the length of the intermission.

4 Review of academic progress

4.1 If in the opinion of the Faculty of Science a candidate for the degree is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature and the candidate shall cease to be enrolled for the degree.

5 General

5.1 A candidate who holds the Honours degree of Bachelor of Science in Honours Petroleum Geology and Geophysics or the Graduate Certificate in Petroleum Geology and Geophysics shall surrender the Honours degree or the Graduate Certificate before being admitted to the degree of Master of Science in Petroleum Geology and Geophysics.

6 Subjects of study and thesis requirements

6.1 Unless exempted therefrom by the Faculty of Science, every candidate for the degree shall complete the following components

- (a) Coursework, comprising the following compulsory subjects:
5189 Petroleum Geology and Geophysics (A)

4746 Petroleum Geology and
Geophysics (B)

- (b) Thesis on approved research project
- (c) Period of placement in industry.

7 Assessment and examinations

- 7.1** On completion of the thesis the candidate shall lodge with the Registrar of Graduate Studies three copies of the thesis prepared in accordance with directions given to candidates from time to time. Refer to the Guidelines on Higher Degrees by Research and Specifications for Thesis in this volume. No thesis or material presented for any other degree within this or any other institution shall be submitted.
- 7.2** The Faculty shall appoint two examiners who are external to the University for each thesis.
- 7.3** There shall be four classifications of pass in any subject for the degree: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass.
- 7.4** The Faculty of Science may grant status in either one or two subjects for Honours or postgraduate study undertaken in another course in the University or in another university or tertiary institution.
- 7.5** A candidate's enrolment in subjects of study must be approved by the Director of the National Centre for Petroleum Geology and Geophysics at enrolment each year.
- 7.6** The Faculty of Science may require a candidate to undertake additional work needed as background to the compulsory subjects.
- 7.7** A candidate shall pursue an approved research project of relevance to the interests of the Department of Geology and Geophysics in Petroleum Geology or Geophysics under the control of the Department and under the guidance of one or more supervisors appointed by the Faculty of Science. At least one supervisor shall be a member of the academic staff of the Department of Geology and Geophysics. The thesis required under 2.1(c) and 6.1(b) above shall embody the results of this research project.
- 7.8** In connection with his or her research project a candidate will be required to undertake a six to twelve week placement or an equivalent period of previous work experience with a company or other organisation, of relevance, involved in petroleum exploration, extraction processing and/or research approved by the Director of the National Centre.

- 7.9** The examiners appointed under 7.2 above may recommend that:

- (a) the thesis be accepted *or*
 - (b) the thesis be accepted but that minor amendments be made to it *or*
 - (c) the thesis be accepted subject to:
 - (i) specified amendments being made to it *or*
 - (ii) the candidate satisfactorily undertaking an oral or written examination *or*
 - (d) the thesis be not accepted but the candidate be permitted to re-submit it in a revised form *or*
 - (e) the thesis be rejected.
- 7.10** In order to satisfy the requirements of the degree a candidate must satisfactorily complete any additional work required under 7.6 above, pass in each of the two compulsory subjects, complete a period of placement as in 7.8 above, and submit a thesis which is accepted by the Faculty of Science as satisfactory for the purposes of the degree.

Syllabuses

The degree is primarily a research degree, with a significant coursework component. It involves close interaction with the petroleum industry via the research projects chosen and may involve a period of placement with a company or organisation associated with the industry. The Centre will, in most cases, arrange for student placement with a relevant company or organisation for a six week period during July – August when required. Full-time students undertake all their coursework during the first six months in association with 5844 Honours Petroleum Geology and Geophysics. The remainder of the two year period is devoted to the research project and thesis.

On the basis of the nature of their previous studies and experience, some students may be required or permitted to substitute alternative studies for parts of the coursework component or to take additional studies. Specialised programs for this purpose may be arranged in consultation with the Director of the Centre. This may apply to students from institutions outside Australia. It may be necessary to substitute additional coursework and background study for the period of industrial placement.

timetable

Detailed timetables are issued at the beginning of each academic year.

prerequisites

The prerequisites for these subjects are the same as for entry as a candidate.

textbooks

Reading lists are provided by the Centre throughout the course.

assessment

Assessment of the subjects is spread across a variety of formats and throughout the year. Formal written and oral assessments are conducted at the end of 5 to 6 week periods. Assessment is also conducted via marked practical exercises, assignments and seminars.

5189 Petroleum Geology and Geophysics (A)

4746 Petroleum Geology and Geophysics (B)

The subjects include general geological topics such as basin analysis, sedimentology, diagenesis, and structure. Most of these subjects are revised during the field trip to the Flinders Ranges. Geophysical topics include seismic interpretation, seismic acquisition and processing, and sequence stratigraphy. Topics specifically related to the petroleum industry include wireline logs, petrophysics and wellsite geology.

There is some scope for specialisation between geology and geophysics although both streams are required to do the majority of the course. Geologists may do petroleum geochemistry, applied palaeontology and isotope studies while the geophysicists concentrate on seismic acquisition, signal analysis and seismic processing. Topics related to the development of personal skills include economics, management and communication skills. Many of the topics covered above are drawn together in case studies and all are made relevant to the petroleum industry.

5189 Petroleum Geology and Geophysics (A) includes the mainly geological component of the coursework and 4746 Petroleum Geology and Geophysics (B) includes the mainly geophysical component. As the amount of time devoted to each component will vary between geology and geophysics students, the total for each component is added and the average mark assigned to each subject.

Master of Science (Reservoir Geoscience)

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Specific Course Rules

1 Admission requirements

1.1 An applicant for admission to the Master of Science (Reservoir Geoscience) shall:

- (a) have qualified for an Honours degree of Bachelor of Science with honours in Geology or Geophysics of the University of Adelaide or of another institution accepted for the purpose by the University or
- (b) have qualified for an Ordinary degree of Bachelor of Science of the University of Adelaide, or another institution accepted by the University for the purpose, with a major sequence of study in Geology or Geophysics, and appropriate practical experience.

1.2 Applicants deemed to have a deficiency in some part of their preparation for candidature may be required to complete prescribed qualifying work and thereafter, or alternatively, to complete a prescribed course of study and pass a qualifying examination of honours standard before enrolling for the degree.

1.3 The Board of Graduate Studies acting with authority devolved to it by Council may in special cases and subject to such conditions (if any) as it sees fit to impose in each case, accept as a candidate for the degree a person who does not hold the qualifications specified in 1.1 above, but who has given satisfactory evidence of their fitness to undertake work for the degree.

2 Qualification requirements

2.1 To qualify for the degree a candidate shall:

- (a) unless exempted therefrom by the Director of the National Centre for Petroleum Geology and Geophysics, satisfy examiners in the subjects of study as prescribed in these Specific Course Rules
- (b) present a satisfactory thesis on a subject approved by the Board of Graduate Studies. The thesis shall give the results of original research or of an investigation on which the candidate has been engaged.

3 Duration of course

3.1 Except with the permission of the Board of Graduate Studies, the subjects of study and the thesis shall be completed in not less than one year nor more than two years of full time study.

3.2 A candidate who withdraws from all of the subjects enrolled in any one year or who fails to re-enrol after being enrolled in the previous year may only re-enrol in a subsequent year with the approval of the Board and under such conditions as the Board may impose in each case.

3.3 A candidate proceeding with the thesis and whose work is interrupted for a period of time may be granted an intermission of candidature by the Board. If such an application is approved the maximum period specified in 3.1 will be adjusted accordingly by adding the length of the intermission.

4 Review of academic progress

4.1 The progress of each candidate shall be reviewed annually and satisfactory progress shall be a condition of re-enrolment. Should a candidate's work be unsatisfactory further review and action shall be taken in accordance with University policies and procedures applicable at the time.

5 Subjects of study and thesis requirements

5.1 Every candidate for the degree shall complete work to the value of 48 points comprising the following components:

- (a) Coursework comprising the following compulsory subjects:

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4746 Petroleum Geology and Geophysics (B)	6
- (b) A research placement at the Centre for Petroleum Engineering, University of New South Wales
- (c) A thesis on an approved research project with relevance to reservoir geology.

5.2 The Board of Graduate Studies may exempt candidates from the specified coursework if they have qualified for the Honours Degree of Bachelor of Science (Petroleum Geology and Geophysics) of the University, or an alternative Honours program containing equivalent coursework. In such cases, candidates shall undertake an extended research thesis.

6 Assessment and examinations

6.1 On completion of the thesis the candidate shall lodge with the Registrar, Graduate Studies three copies of the thesis prepared in accordance with directions given to candidates from time to time. Refer to the Guidelines on Higher Degrees by Research and Specifications for thesis in this volume. No thesis or material presented for any other degree within this or any other institution shall be submitted.

6.2 The Board shall appoint two examiners for the thesis, at least one of whom shall be external to the University.

6.3 There shall be four classifications of pass for any subject for the degree: Pass with Higher Distinction, Pass with Distinction, Pass with Credit, Pass.

6.4 The Board may grant status in the coursework component of the degree for Honours or postgraduate study undertaken in another course in the University or in another university or tertiary institution.

6.5 A candidate shall pursue an approved research project under the guidance of two supervisors nominated by the National Centre of Petroleum Geology & Geophysics. One of these supervisors will be a member of staff of the Faculty of Science, the other will be a member of staff of the Centre for Petroleum Engineering at the University of New South Wales.

6.6 In connection with the research project a candidate will be required to undertake a five month research placement in the Centre for Petroleum Engineering at the University of New South Wales.

6.7 The examiners appointed under 6.2 above may recommend that

- (a) the thesis be accepted *or*
- (b) the thesis be accepted but that minor amendments be made *or*

- (c) the thesis be accepted subject to:
 - (i) specified amendments being made to it *or*
 - (ii) the candidate satisfactorily undertaking an oral or written examination *or*
- (d) the thesis be not accepted but the candidate be permitted to resubmit it in a revised form *or*
- (e) the thesis be rejected.

Syllabuses

The degree is primarily a research degree but with a significant coursework component. It takes a multi disciplinary approach to understanding hydrocarbon reservoirs by integrating geoscience and reservoir engineering to meet the needs of the petroleum industry. Students will be based at the National Centre for Petroleum Geology and Geophysics at the University of Adelaide but will undertake a five month placement in the Centre for Petroleum Engineering at the University of New South Wales as part of their research program and will be jointly supervised by staff from both Centres.

Full time students undertake all their coursework during the first six months in association with 5844 Honours Petroleum Geology and Geophysics. The remainder of the two year period is devoted to the research project and thesis. Course work to begin 31 January. University of New South Wales placement by arrangement with Director of Centre.

Depending on the nature of their previous studies and experience, some students may be required or permitted to substitute alternative studies for parts of the coursework component or to take additional studies. Specialised programs for this purpose may be arranged with the Director of the Centre..

timetable

Detailed timetables are issued at the beginning of each academic year.

prerequisites

The prerequisites for these subjects are the same as for entry as a candidate.

textbooks

Reading lists are provided by the Centre throughout the course.

assessment

Assessment of the subjects is spread across a variety of formats and throughout the year. Formal written and oral assessments are conducted at the end of 5 to 6 week periods. Assessment is also conducted via marked practical exercises, assignments and seminars.

5189 Petroleum Geology and Geophysics (A)

4746 Petroleum Geology and Geophysics (B)

The subjects include general geological topics such as basin analysis, sedimentology, diagenesis, and structure. Most of these subjects are revised during the field trip to the Flinders Ranges. Geophysical topics include seismic interpretation, seismic acquisition and processing, and sequence stratigraphy. Topics specifically related to the petroleum industry include wireline logs, petrophysics and wellsite geology.

There is some scope for specialisation between geology and geophysics although both streams are required to do the majority of the course. Geologists may do petroleum geochemistry, applied palaeontology and isotope studies while the geophysicists concentrate on seismic acquisition, signal analysis and seismic processing. Topics related to the development of personal skills include economics, management and communication skills. Many of the topics covered above are drawn together in case studies and all are made relevant to the petroleum industry.

5189 Petroleum Geology and Geophysics (A) includes the mainly geological component of the coursework and 4746 Petroleum Geology and Geophysics (B) includes the mainly geophysical component. As the amount of time devoted to each component will vary between geology and geophysics students, the total for each component is added and the average mark assigned to each subject.

Professional and Continuing Education

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Postgraduate award coordinated by Professional and Continuing Education

Master of Science and Technology Commercialisation

Professional Certificate in Arbitration and Mediation

The Professional Certificate in Arbitration and Mediation is a first in Australia. It is a cooperative effort between the University of Adelaide and the Institute of Arbitrators and Mediators Australia.

This course will appeal to those who are interested in the subject matter and wish to achieve a thorough grounding in the key principles of alternative dispute resolution, namely arbitration and mediation.

Specific Course Rules

1 Admission requirements

The qualifications which would allow automatic admission to the Professional Certificate Course are recommended as one of the following:

- an ordinary university degree from a University recognised by the University of Adelaide in a field or discipline leading to the holder's practising in the relevant field, plus two years continuous practice in the field
- a diploma or other tertiary qualification from a University or institution (including a TAFE college) recognised by the University of Adelaide, plus not less than three years experience in the practice of the calling for which the qualification is held *or*
- a recognised industry-based qualification (such as training in business management through the Institute of Management), the holding of a senior and responsible position within business or industry with not less than four years total experience *or*
- the holding of a senior position in a field of practice or discipline, plus not less than five years total experience in that field
- such other qualification or experience as the Faculty of Law, on the advice of the Advisory Board, sees fit
- being a person of good repute with no criminal record and holding a senior and respected position in the field of practice in which the person works;

Relevance of the professional certificate as contributing towards a masters degree:

Graduates possessing a Professional Certificate ought to be allowed to continue to study for the qualification of a Masters law degree specialising in Arbitration and Mediation provided that

- they possess the necessary other qualifications required (e.g. the holding of an appropriate ordinary degree)
- they are acceptable to the relevant faculty of law admitting them as students.

2 Duration of course

Taught over two semesters, the Professional Certificate in Arbitration and Mediation comprises a General and Advanced course. The General Course comprises 13 weeks of Tuesday evening two hour tutorials, and a full one day workshop. General course assessment comprises three components: participation at the compulsory Saturday workshop (25%) an assignment of 3,000 words (40%) and a general course exam of 2 hours duration (35%).

The Advanced course comprises 13 weeks of Tuesday evening two hour tutorials, and two compulsory one day workshops. The assessment consists of three components: participation at the two Saturday workshops (25%), assignment of 4 - 5,000 words (40%) and a final exam of three hours duration.

Each course provides 13 subjects, several law based, relevant to arbitration and mediation proceedings.

3 Course Requirements

To qualify for the Professional Certificate, a candidate shall satisfactorily complete all components of the Advanced course.

4 Status

Candidates possessing a law degree may be granted exemption from the General Course, dependent on their years of experience in the field and the number of ADR cases dealt with in their professional career.

5 Teaching materials

Candidates are serviced with all course materials, including notes, audio tapes and an Arbitration and Mediation video.

Further information on this course is available from:

The Centre for Professional and Continuing Education

Phone: 61 8 8303 5236

Fax: 61 8 8303 4411

susan.boehm@adelaide.edu.au

Professional Certificate in Science and Technology Commercialisation

The Professional Certificate was introduced in 1999 and consists of 3 of the subjects offered for the Master of Science and Technology Commercialisation at the University of Adelaide which will be launched in 2000.

The Professional Certificate is currently under review for 2000

Note: This is a full fee paying course

Specific Course Rules

1 Admission requirements

An applicant for admission to the course of study for the Professional Certificate in Science and Technology Commercialisation shall have:

- at least 5 years approved professional work experience *and*
- qualified for an Ordinary degree of the University of Adelaide or another institution accepted by the University for the purpose as equivalent or equivalent demonstrable experience and knowledge.

Candidates will also have to demonstrate that

- they have the capacity to do exceptional academic work at the graduate level
- their experience will be of benefit to the program
- the program will enhance their professional career *and*
- they will be an effective champion and implementor of the program concepts.

Students must also have a sound knowledge of the use of computers.

2 Duration of course

The requirements of this course of study will be completed in 3 semesters over a 12-month period. One subject will be undertaken each semester.

3 Course Requirements

To qualify for the award, a candidate shall satisfactorily complete the following 3 subjects:

3.1 Subjects

Converting Technology to Wealth
Technology Enterprise Design and
Implementation

The Art and Science of Market-Driven
Entrepreneurship

4 Status/exemption/credit transfer

No candidates will be granted status for any of the subjects

5 Assessment and examination

There shall be four classifications of pass in any subject of the Professional Certificate: Pass with High Distinction; Pass with Distinction; Pass with Credit; and Pass

A candidate shall not be eligible to be assessed, by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination

Further information about this program can be obtained from:

<http://www.adelaide.edu.au/conted/stc>

or by contacting the Centre for Professional and Continuing Education:

Phone: 61 8 8303 4777

Fax: 61 8 8303 4411

Email: sonya.perkins@adelaide.edu.au

Syllabuses

Converting Technology to Wealth

Examines the process through which knowledge (ideas, innovations, science, technology, talent and know-how) is converted to wealth through the commercialisation process. Addresses the importance of technology innovation and commercialisation to the economy of a country. Students perform a technology commercialisation assessment.

Technology Enterprise Design and Implementation

Develops a multi-disciplinary approach to the preparation and presentation of a detailed, growth-oriented business plan for a technology enterprise or project. Addresses stages of new venture start-ups, general management requirements, and harvesting value from new ventures. Students present their plans to a group of business investment professionals.

The Art and Science of Market-Driven Entrepreneurship

Examines the process of creating new ventures, the dynamics of growth-oriented firms, the roles of entrepreneurs and intrapreneurs in different organisational environments, the factors that drive the entrepreneurial process, and the importance of entrepreneurship to the economy. Students write an opportunity plan in which they assess a real business opportunity and make an oral presentation of their plan.

Master of Science and Technology Commercialisation

The Master in Science and Technology Commercialisation has been developed to provide professionals with the knowledge and skills to enable them to lead the commercialisation process within their organisation. The degree was initially developed by the University of Texas at Austin and is offered in conjunction with Texas and other partnering Institutions. This cross - disciplinary degree is innovative in its design minimising interference with work commitments by providing on-line study materials and monthly contact sessions. Students from participating institutions team to work through the commercialisation process for a specific project and to build global business networks

The above award has been developed within the framework of the General Course Rules printed at the beginning of this volume of the Calendar. As all students must comply with these rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding course matters.

Note: This is a full fee paying course

Specific Course Rules

1 Admission requirements

An applicant for admission to the course of study for the degree of Master of Science and Technology Commercialisation shall have:

- at least 5 years approved professional work experience *and*
- qualified for an Ordinary degree of the University of Adelaide or another institution accepted by the University for the purpose as equivalent or equivalent demonstrable experience and knowledge.

Candidates will also have to demonstrate that

- they have the capacity to do exceptional academic work at the graduate level
- their experience will be of benefit to the program
- the program will enhance their professional career *and*
- they will be an effective champion and implementor of the program concepts.

Students must also have a sound knowledge of the use of computers.

2 Duration of course

To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising three trimesters of full time study (or equivalent).

3 Course requirements

To qualify for the degree, a candidate shall satisfactorily complete all 12 subjects as follows
Converting Technology to Wealth
Creative and Innovative Management

Financing New Ventures

Internationalisation of Technology

Legal Issues of the Commercialisation Process

Managing New Product Development and Production

Managing Risk

Managing the Technology-Based Product Life Cycle

Strategic Analysis for Technology Commercialisation

Technology Enterprise Design and Implementation

Technology Management and Transfer

The Art and Science of Market-Driven Entrepreneurship

4 Status, exemption and credit transfer

No candidates will be granted status for any of the core subjects of the degree except candidates who have qualified for the Professional Certificate in Science and Technology Commercialisation.

5 Assessment and examination

There shall be four classifications of pass in any subject for the Master's degree: Pass with High Distinction; Pass with Distinction; Pass with Credit; and Pass

A candidate shall not be eligible to be assessed, by examination or otherwise, unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.

Syllabuses

Further information on this course is available on the Professional and Continuing Education website:

www.adelaide.edu.au/conted/

Converting Technology to Wealth

3 points

Examines the process through which knowledge (ideas, innovations, science, technology, talent and know-how) is converted to wealth through the commercialisation process. Addresses the importance of technology innovation and commercialisation to the economy of a country. Students perform a technology commercialisation assessment.

Creative and Innovative Management

3 points

Creative management deals with new concepts and ideas, initiatives, and methods that can be used to provide new directions or modes of operation for organisations and activities. Focuses on the ability to implement these ideas and to move successfully in new directions. Students perform management case studies that evaluate creativity and innovation in private enterprise or the public sector.

Financing New Ventures

3 points

Examines financial planning, methods for determining capital requirements, and various ways of financing growth and making investment decisions. Among the forms of financing examined are angels and informal investors, venture capital, debt capital, and inside and outside equity. Students create plans for the financing of a technology venture.

Internationalisation of Technology

3 points

Addresses a broad and special set of issues of commercialising technology on a global scale, including international country policies, supra-country trade policies (including GATT, NAFTA, etc.), import/export processes, financing issues, critical technologies and country profiles. Addresses importing or exporting a new technology or intellectual property to any foreign market through a variety of technology transfer strategies which account for public policies and interrelated competitiveness issues. Students engage in role-playing exercises designed around an international commercialisation project.

Legal Issues of the Commercialisation Process

3 points

Examines the numerous legal challenges organisations face as they commercialise technology in a global environment. In addition to studying the basic regulatory requirements for intellectual property and patent protection, students gain an understanding of the process of technology licensing and methods for valuation of intellectual property. Students develop strategies and plans by which to manage and protect the knowledge assets of a technology venture.

Managing Risk

3 points

Addresses decision and risk analysis, methods for structuring and modelling decision problems, and application of methods to a variety of problems that involve risk and uncertainty related to the commercialisation of new technologies. Students apply risk analysis tools to a commercialisation assessment problem.

Managing New Product Development and Production

3 points

Addresses the many and best practices organisations are using to accelerate the product development and production processes. Students develop case studies of methodologies for managing the technology and product development cycle.

Marketing Technological Innovation

3 points

Develops an understanding of the forces driving competition and demand in markets or technology-intensive products and services. Covers product management decisions (design, channels/logistics, pricing/promotions etc.) across stages of product life-cycles affecting technology products. Enhances skills in analysing competitive trends, identifying threats and opportunities, designing new products, and/or marketing strategies. Students develop a marketing strategy and perform a market analysis to define potential markets for a technology.

Strategic Analysis for Technology Commercialisation

3 points

Addresses technology and commercialisation strategies as part of business strategy. Examines the use of models and other concepts to measure the effectiveness of commercialisation and the analysis and measurement of risk. Students perform strategic analyses of industries and industrial sectors.

Technology Enterprise Design and Implementation

3 points

Develops a multi-disciplinary approach to the preparation and presentation of a detailed, growth-oriented business plan for a technology enterprise or project. Addresses stages of new venture start-ups, general management requirements, and harvesting value from new ventures. Students present their plans to a group of business investment professionals.

Technology Management and Transfer: Theory and Practice

3 points

Addresses the evaluation, formulation and use of technology transfer models. Emphasis is placed on case studies of facilitating factors and barriers to collaborative relationships. Students develop and document a technology transfer model.

The Art and Science of Market-Driven Entrepreneurship

3 points

Examines the process of creating new ventures, the dynamics of growth-oriented firms, the roles of entrepreneurs and intrapreneurs in different organisational environments, the factors that drive the entrepreneurial process, and the importance of entrepreneurship to the economy. Students write an opportunity plan in which they assess a real business opportunity and make an oral presentation of their plan.

Board of Graduate Studies

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Doctor of Philosophy

Course Rules

1 There shall be a degree of Doctor of Philosophy.

2 (a) The Vice-Chancellor, with authority devolved to her/him by Council, and after receipt of advice from the Board of Graduate Studies, shall from time to time prescribe Rules defining the academic standing required for candidature, the course of study and research for the degree, the condition of candidature and the assessment for the degree.

(b) Such Rules shall become effective from the date of prescription by the Vice-Chancellor or such other date as the Vice-Chancellor may determine.

Guidelines

3 The Board of Graduate Studies may from time to time approve Guidelines on any matters included in these Rules and may authorise the Dean of Graduate Studies or the Registrar, Graduate Studies, to act in accordance with such guidelines without reference to the Board in each case.

Academic standing

4 The academic standing required for acceptance as a candidate for the degree shall be an Honours degree of Bachelor of at least a IIA Standard or a degree of Master of The University of Adelaide or the equivalent thereof.# Applications from students with other qualifications will require the approval of the Board of Graduate Studies.

(# Where a Master's degree is presented as a qualification for admission to a PhD course, the Master's degree must contain a research component deemed appropriate by the Board of Graduate Studies. A Master's degree which contains only coursework will not be accepted for this purpose.)

5 A person who holds a degree of another University may be accepted as a candidate provided that the course of study undertaken and the academic standard reached are equivalent to those required of a candidate who is a graduate of The University of Adelaide.

6 The Board may accept as a candidate a graduate who does not qualify under Rules 4 or 5 but

(a) has completed to the satisfaction of the Board at least one year of full-time postgraduate study or research *and*

(b) has passed a qualifying examination of Honours standard prescribed by the appropriate faculty and approved by the Board.

7 The Board may grant credit in the course for the degree of Doctor of Philosophy for research undertaken in another course in the University or in another university or tertiary institution.

8 The Board may accept as a candidate for the degree a person who is seeking enrolment under Rule 7 above provided it is satisfied (a) that the person is of such academic standing as would be required of other candidates for the degree and (b) that the person's progress so far has been satisfactory.

Enrolment

9 A person shall not be enrolled as a candidate for the degree unless:

(a) the applicant's proposed field of study and research is acceptable to the Department(s) responsible for the supervision of the candidate's work.

(b) in the case of a person granted credit under Rule 5, at least one year of full-time study and research, or its equivalent, will still be necessary to complete the work for the degree.

Duration of candidature and mode of study

10 A candidate may proceed to the degree by full-time study or, if the Head of the Department concerned is satisfied that the candidate has adequate time to pursue supervised research under the control of the University, by half-time study. Except in circumstances approved by the Board, the work for the degree shall be completed and the thesis submitted:

(a) in the case of a full-time candidate, not less than two years and not more than four years from the date of commencement of candidature;

(b) in the case of a half-time candidate, not less than four years and not more than

eight years from the date of commencement of candidature.

- (c) The candidature shall normally date from the month in which the candidate begins the course of study and research for the degree. In the case of a candidate granted credit under Rule 5 the candidature shall normally expire, (i) in the case of a full-time candidate, not less than two years and not more than four years from when the candidate commenced work in the other course, or (ii) in the case of a half-time candidate, not less than four years and not more than eight years from the month the candidate commenced work in the other course. The approval of the Board is required for any different expiry date

Work for the degree

- 11 A candidate shall pursue an approved course of study and research under the control of the University and under the general guidance of one or more supervisors appointed by the University. At least one supervisor shall be a member of the academic staff of the Department of the University in which the candidate is registered.

Required program of activities at the commencement of candidature:

- 12 (a) Each candidate (including those on remote candidature) shall complete a structured program of activities within the first twelve months from commencement of candidature.
- (b) Continuation of the candidate's enrolment is conditional upon the completion of the activities to the satisfaction of the Department(s) concerned.
- (c) Such activities will be determined by the Department(s) in which the candidate is enrolled. They will include the completion and the presentation of a research proposal, and other courses or skills training deemed necessary by the Department(s) concerned.
- (d) At the completion of the structured program, each candidate shall submit to the Board a research proposal in such form as the Board may prescribe.
- (e) Candidates who have completed the first year of a Master's course by research and who are qualified and permitted by the Board to transfer to the degree of Doctor

of Philosophy will be deemed to have completed this structured program of activities.

Remote candidature

- 13 (a) Enrolment as a remote candidate may be permitted on the conditions that the Department(s) concerned can ensure, and the Board of Graduate Studies is satisfied, that appropriate external supervision, with appropriate affiliation, and facilities are available.
- (b) A remote candidate may be required to complete a period of residence in The University of Adelaide as determined by the Board of Graduate Studies in consultation with the Department concerned.
- (c) In accordance with Rule 8, a remote candidate may proceed to the degree either by full-time or half-time study.
- (d) On the recommendation of the Department, the Board at any time may permit an enrolled student to enrol as a remote candidate subject to the conditions specified in (a), (b) and (c) above.
- (e) A remote candidate may be permitted to convert to the normal Ph.D. program and be subject to the conditions normally applied.
- (f) Notwithstanding (a) to (d) above, remote candidates are also required to abide by the other Rules and Guidelines for the Degree of Doctor of Philosophy.

Review of Academic Progress

- 14 (a) The Board may review the progress of a candidate at any time during the course of candidature and, if the candidate's progress is unsatisfactory, may terminate the candidature.
- (b) A formal review of a candidate's progress shall be conducted by Departments at least once a year in accordance with guidelines determined by the Board of Graduate Studies and outlined in the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees. A written report of the review (on the prescribed Annual Review of Progress form) must be forwarded to the Registrar, Graduate Studies, by no later than 30 October each year. A candidate's re-

enrolment in the following year is conditional upon him/her having attained satisfactory progress in the year of review.

Absence from the university

- 15 Except for remote candidates, the Board, on the recommendation of the Department concerned, may permit a candidate to pursue away from the University work connected with the research for the degree. Such a permission may only be granted when the candidate has completed or deemed to have completed the Structured Program.

Intermission of candidature

- 16 A candidate whose work is interrupted for a period of time may be granted an intermission of candidature by the Board. If such an application is approved the minimum and maximum periods specified in Rule 10 will be adjusted accordingly by adding the length of the intermission.

Extension of candidature

- 17 A candidate may be granted, by the Board, only one extension of candidature of twelve months beyond the maximum period specified in Rule 10. If the thesis has not been submitted by the end of the extended period the candidature will lapse.

Completion of thesis outside the university

- 18 A candidate who has completed the equivalent of two years of full-time work under the control of the University, who has completed the experimental work (where appropriate) and whose progress is sufficiently well advanced to permit the satisfactory completion of the thesis outside the University, may be granted permission by the Board to complete the writing-up of the thesis outside the University. If such an application is approved the candidate will be allowed either twelve months or until the end of any extension of candidature which has been granted under Rule 16, whichever is the lesser, to submit the thesis. If the thesis has not been submitted by the end of the writing-up period the candidature will lapse.

Lapsed candidature

- 19 A candidature which has lapsed will be resumed if the completed thesis, which has not departed from the field of study which was being pursued before the candidature lapsed, is subsequently submitted within two years from the date when the candidature lapsed to the Registrar, Graduate Studies. The thesis will only be accepted if the

Department certifies that it is satisfactory to that Department. Any extension beyond the two years shall be determined on a case by case basis by the Board of Graduate Studies in consultation with the relevant Faculty/Department. Approval of the Board is required for resumption of a lapsed candidature under any other conditions.

In special circumstances the Board may approve the resumption of a lapsed candidature for one period of up to six months prior to the submission of the completed thesis.

Intention to submit thesis

- 20 A candidate shall notify the Registrar, Graduate Studies, in writing, approximately three months before he or she expects to submit the thesis required under Rule 21. A summary of the thesis, together with the proposed thesis title, should be submitted at the same time.

Assessment and examinations

- 21 On the completion of the approved course of study and research, a candidate shall submit a thesis embodying the results of that study and research, and may submit also, in support of the thesis, other relevant material. No thesis or material presented for any other degree within this or any other institution shall be so submitted. The Board shall prescribe the form in which the thesis shall be submitted and the number of copies to be submitted.
- 22 The thesis and any other material submitted shall be assessed by examiners external to the University.

Appointment of examiners

- 23 Candidates shall have the right to submit objections to the appointment of potential examiners. Any such objections should be submitted to the Registrar, Graduate Studies, at the same time as the notification of intention to submit required under Rule 20.
- 24 The Board shall appoint two examiners who are external to the University, taking account of any objections raised under Rule 23 and the recommendations of the Head of the relevant Department.
- 25 The examiners shall be requested to report in such form as the Board will determine and to recommend one of the alternatives listed in Rule 28.
- 26 After consideration of the reports of the examiners, the Board may appoint a third external examiner and/or an external arbitrator.

The thesis

- 27 The thesis shall:
- (a) display original and critical thought;
 - (b) be a significant contribution to knowledge
 - (c) relate the topic of research to the broader framework of the discipline within which it falls *and*
 - (d) be clearly, accurately and cogently written and be suitably illustrated and documented.

Examination Results

- 28 After consideration of the reports of the examiners and such other information as it thinks fit, the Board shall determine that:
- (a) the candidate be awarded the degree *or*
 - (b) the candidate be awarded the degree but that minor amendments be made to the thesis *or*
 - (c) the candidate be awarded the degree subject to,
 - (i) specified amendments being made to the thesis *or*
 - (ii) satisfactory performance in an oral or written examination *or*
 - (d) the candidate be not awarded the degree but be permitted to re-submit the thesis in a revised form; or
 - (e) the candidate be awarded the appropriate degree of Master; or
 - (f) the candidate be awarded the appropriate degree of Master upon making suitable amendments to the thesis; or
 - (g) the candidate be not awarded the degree of Doctor of Philosophy or the degree of Master.

Deposit of thesis in the library

- 29 Such number of copies of a thesis and any other material on which the degree is awarded shall be deposited in the Barr Smith Library or elsewhere in the University as determined by the Board. Unless otherwise determined by the Board, the copies shall be available for loan and photocopy.

Loan or photocopy of thesis

- 30 A candidate who does not wish to allow the thesis to be lent or photo-copied when it is deposited in the Library under Rule 29 shall make written application to the Registrar,

Graduate Studies, at the same time as he or she notifies his or her intention to submit under Rule 20. The withholding of such permission and the period of time involved shall be determined by the Board.

General

- 31 When, in the opinion of the Board of Graduate Studies, special circumstances exist, the Board, on the recommendation of the relevant Department in each case, may vary any of the provisions in Rules 1-30 above.

Higher degrees by research

Introduction

This document must be read in conjunction with the:

- (a) Course Rules and Specific Course Rules for the relevant degree/s which are published in Volume II of the University Calendar *and*
- (b) *Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees*, published by the Board of Graduate Studies

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters degrees by research offered by The University of Adelaide. These degrees are awarded mainly on the successful examination of a thesis prepared by the student under supervision and embodying the results of a period of research. (Faculties may also apply these guidelines to the research components of those Masters degrees which have an advanced study or coursework component and a research component.)

These documents are intended for use by supervisors and students throughout the period of candidature and will be a useful reference for intending students, Heads of Departments and Postgraduate Coordinators.

1 The enrolment process

1.1 The decision to enrol

Several factors must be taken into account by a potential student and the Head of the relevant Department before a decision is made about enrolling in a higher degree.

(a) *Academic*

In general, it is necessary for the potential student to have qualified for an Australian university honours degree (first or second class) or its equivalent, or higher.

(b) *Finance*

The degree of Doctor of Philosophy and some Masters degrees can be completed on a half-time basis, so that it is possible for students, in some instances, to be self-supporting from sources other than scholarships while enrolled. The University and the Commonwealth Government each offers a limited number of postgraduate scholarships annually almost exclusively to full time students. Details of the scholarships available may be obtained from the Student Centre.

Departments receive funding which is based (in part) on the number of postgraduate students enrolled in the Department, and the Department is generally expected to provide equipment and funds for the research to be carried out. In particular, the development of the research proposal must take account of both the academic acceptability of the project and the resource implications for the Department and Faculty concerned.

(c) *Choice of field of study and supervisor*

A person who is contemplating enrolling for a higher degree should discuss the proposed candidature with the Head or Postgraduate Coordinator and members of the relevant Department(s), and a decision must be made before the commencement of the candidature on the general area of study and the supervisor(s) to be appointed to guide the student in the research. Since it is important that the supervisor is active in the general area of research which is chosen, it is clear that the choice of the field of study and supervisor are inter-related and decisions on both matters will need to be made together.

Guidelines for the supervision of higher degree students are outlined in the Code of Practice. Intending students may find it useful to discuss the general approach to supervision with potential supervisors at the outset. Clear understandings on issues such as how closely the work is to be supervised, the planned frequency of meetings between supervisors and students, the expectation of such meetings and the nature and level of commentary on the various stages of the work should be reached as soon as the supervisor has been appointed.

Where a student is to participate in a team project, the student's specific contribution to the project and the relationship with other participants should be clarified at the outset.

Where a student is to enrol in the Remote PhD Program (Refer Section 3 below), appropriate external supervision must be confirmed by the Head of Department, and approved by the Board of Graduate Studies, prior to enrolment. External supervisors should be affiliated with an appropriate university or research facility.

1.2 Enrolment

Research students are advised to enrol and commence their studies at the beginning of either Semester I or Semester II, as appropriate, so that they can participate in the Structured Program organised by their respective Faculty/Department and the Induction Seminar.

Enrolment and HECS forms are issued only when an application for candidature has been accepted. In the case of an applicant who had previously enrolled in a course in The University of Adelaide, an enrolment form will NOT be issued if the applicant has outstanding financial or other obligation(s) with the University. If you are in such a position, please contact the Student Centre for further details. Completed forms must be returned before the date on which work commences for the degree.

2 Structured program of activities at the commencement of candidature

Each student commencing a Ph.D. must complete a structured program of activities within the first twelve months of candidature, as specified by the Department in which the student is enrolled. The program will include the completion and the presentation of a detailed research proposal at a departmental seminar and the completion of any other courses or training that may be deemed necessary. The resource implications for the Department must be built into the development of the research proposal and departmental and student obligations must be specified at the conclusion of the required program. Departments/faculties may require students commencing Masters by research to also participate in the structured program. Students will be required to complete and submit the Completion of Structured Program and Research Proposal form upon completion of the structured program.

Students are expected to be able to comprehend and read and write conversational and non-technical English when they commence. Although it is the student's responsibility to ensure that such skills are adequate, supervisors

are expected to assess the student's proficiency in English Language within the first semester of candidature and where appropriate, as part of a structured program, to direct students to courses offered by the Advisory Centre for University Education (ACUE).

3 Remote program for the degree of Doctor of Philosophy

Application for enrolment in the Remote Program must be made on the appropriate form. Special conditions will apply and applications are considered by the Board of Graduate Studies on a case by case basis. A period of residence at The University of Adelaide may be required. The Head of Department must ensure that appropriate external supervision and facilities are available before recommending to the Board of Graduate Studies that a student be permitted to enrol in the Remote Program.

If the status of candidature is to be full-time, the Board of Graduate Studies must be satisfied that the student is able to devote full attention to the research project. Accordingly, the student must provide documentation supporting the application in the form of, for example, a supporting letter from the external supervisor and/or the Head of the institution or facility in which the student is to undertake the research and this must be accepted by the Department and the Board of Graduate Studies.

The financial implications of the student's research project must be negotiated and clarified between the Department, and any other external institution that is involved in providing supervision or facilities, in advance of confirmation of the student's candidature. The University cannot accept any retrospective financial claims. Similarly, any claims to be made on the intellectual property generated by the student must be negotiated between and confirmed with all parties concerned in advance of confirmation of the student's candidature.

As with other Ph.D. students, Remote PhD students will also be subject to the normal PhD Rules and policies, including reviews of academic progress and annual re-enrolment. The University of Adelaide will at all times retain the ultimate authority over all matters pertaining to the student's candidature, the process of examination of the thesis and the award of the degree of Doctor of Philosophy.

4 Intellectual property

In instances where a student and supervisor identify a general area of research in a commercially sensitive area, the student must sign a Student Project Participation Agreement (SPPA) with the University at the time of enrolment or as soon as possible thereafter.

If a potential student is an employee of another organisation, a formal agreement must be reached between, the University and the student's employer with respect to the ownership of any intellectual property arising from the research, preferably prior to enrolment.

The SPPA or any agreement between the University and a student's employer must be signed before completion of the structured program and confirmation of the student's candidature

5 Further information

Intending students requiring further information are requested to contact the Student Centre

Specifications for thesis

1 Preparation

The responsibility for the layout of the thesis and selection of the title rests with the student after discussion with the supervisor(s), and the completed thesis should be shown to the supervisor(s) before submission. The student must consult with the Department concerning selection of an appropriate style for the thesis. A list of useful guides and style manuals for theses may be obtained on request from the Barr Smith Library. The Advisory Centre for University Education runs seminars and workshops on thesis writing.

1.1 Thesis Format

The submission of a series of published papers bound together as a thesis is not acceptable for the degree of Doctor of Philosophy or for any degree of Master by research.

The thesis should incorporate in the following order:

- (a) A title page giving the title of the thesis in full, the name of the student, the name of the Department(s) of the University associated with the work and the date (month and year) when submitted for the degree. There is a limitation of 160 spaces and characters in the title of the thesis. You should ensure, therefore, that your thesis title does not exceed that limit
- (b) A table of contents
- (c) An abstract of the thesis in not more than three hundred and fifty words
- (d) A signed statement to the effect that:
 - the thesis contains no material which has been accepted for the award of any other degree or diploma in any university and that, to the best of the student's knowledge and belief, the thesis contains no material previously published or written by another person, except where due reference is made in the text of the thesis *and*
 - the author consents to the thesis being made available for photocopying and loan if accepted for the award of the degree.

This statement should be included on the same page as the statement regarding originality (see sample below). If the student has any objections to including such a statement, the student must

apply to the Board of Graduate Studies, immediately, in writing, for a period of embargo to be placed on the student's thesis.

sample:

This work contains no material which has been accepted for the award of any other degree or diploma in any university or other tertiary institution and, to the best of my knowledge and belief, contains no material previously published or written by another person, except where due reference has been made in the text.

I give consent to this copy of my thesis, when deposited in the University Library, being available for loan and photocopying.

The statement must be signed by the student and dated.

- (e) An acknowledgment of any help given or work carried out by any other person or organisation
- (f) The main text
- (g) Appendices (if any)
- (h) Bibliography.

Additional pages or other material not suitable for binding should be placed last and treated as indicated in 4(d).

2 Typing

A thesis should normally be produced on size A4 paper, in a clear and legible font (eg Times 12 or Geneva 10) using a Laser Writer, or some other printing device which gives a clear, legible result. It is strongly recommended that the top copy of the student's thesis be produced on archival (acid-free) paper to ensure its long-term preservation, with additional copies on bond, or similar high-quality paper. If work is being submitted which has been previously published, it may be presented in the form of copies of the original printed version. Other forms of presentation, such as computer output microform, may be acceptable if approved by the University Librarian (after discussion with the Supervisor).

The submission of recorded music as part of a thesis should be discussed with the Performing Arts Librarian. (See also section on 'Copying' below.)

A thesis may be produced on both sides of the paper provided that all copies are made on paper of high opacity to prevent 'show-through'.

Margins

Margins for both text and figures should not be less than 35 mm on the inside edge and 15 mm on the other three sides to allow for binding and trimming. (See also "Soft-binding of thesis for examination" under "4 Binding" below.)

Copying

- (a) Additional copies of a thesis should be produced using a copying method which produces a good-quality copy. Copies (other than those produced with carbon paper at the time of typing the top copy) should normally be on bond paper. Chemically coated paper is acceptable for the production of a thesis only if it is known to provide a high quality reproduction and proven long-term stability

Audio and audio-visual tapes

- (b) Additional copies of audio and audio-visual tapes should be produced using a copying method which creates a high quality audio and visual reproduction with proven longevity.

Archival (acid free) Copy

- (c) The archival (acid-free) copy should be marked accordingly and will become the University's copy following the award of the degree. the Barr Smith Library may produce a copy on archival (acid-free) paper at the same cost as a plain paper copy.

3 Diagrams and figures

The following are general suggestions for normal practice, but they may be varied in special cases with the approval of the Librarian:

- (a) Diagrams and figures, etc, should be preferably drawn or photographed on size A4 paper and bound in the appropriate place in the text. If it is necessary to mount photographs the mounting should be on paper somewhat heavier than that of the other pages, and great care should be taken to avoid wrinkling the paper or distorting the shape of the volume.
- (b) Figures should either be inserted at an appropriate place in the text, or form a separate page. For normal orientation with the top of the figure upwards, the legend should be at the bottom of the figure. If it is necessary to rotate the figure, it should be placed on a separate page with the top of the figure on the left-hand side of the page and the legend on the right-hand side of the page. This applies regardless of

whether the figure forms a left-hand or a right-hand page, but if the thesis is produced with the text only on right-hand pages, then figures should also appear only on right-hand pages. If there is insufficient space for the legend, it may be placed on the page facing the figure.

- (c) Tables should be inserted in the appropriate place in the text, except that lengthy or bulky tables should appear as an appendix.
- (d) Folded diagrams, maps, tables, etc, should read as right-hand pages when open. Supplementary material, such as folded maps and other large folded sheets and primary data on microfiche may be placed in a pocket inside the back cover of the bound thesis.
- (e) Musical notation and similar forms of written notation should be inserted in the appropriate place in the text, except that lengthy examples should appear as an appendix.

4 Binding

Soft-binding of thesis for examination

A higher degree student may opt to submit his/her thesis in soft bound form initially for examination purposes.

Students who wish to have their theses soft-bound should note that

- It is not possible to rebind a thesis that has been soft-covered using the currently available methods, such as Thermo-Bind or Wire-Spiral, without having first to trim the left hand margin by 10 to 15 mm. This means that the provision for the left hand margin of the thesis must be at least 45 mm. This may result in an increase in the number of pages of the thesis and the consequent increase in cost of production.
- Most soft-binding processes will handle up to around 30 mm in thickness. Many theses are thicker than this and may have to be bound in more than one volume

It is the student's responsibility to bear all costs incurred in the soft-binding of his/her thesis as well as in the subsequent hard-binding.

When the examination process (including the completion of any required amendments) is complete, it is an obligation of the student to submit the required three hard-bound copies of his/her thesis before a degree can be conferred

Hard-binding

- (a) The thesis must be sewn and bound with cloth on stiff covers. (A sprint-type or screw-type binder is unacceptable. Stapling and plastic or 'perfect' binding without sewing are also unacceptable.)
- (b) During binding the edges should be trimmed.
- (c) On the spine of the thesis should be given, in gold lettering of suitable size, normally reading from the top to the bottom, the title of the thesis, shortened if necessary, followed by the student's surname. Where the width of the spine allows, the lettering may be placed horizontally, with the title of the thesis near the top of the spine and student's surname near the middle.
- (d) When published papers are submitted they should normally be bound near the back of the thesis as an appendix. In the case of published papers of unusual size it may be desirable to bind them in a separate volume. If they have been bound by a publisher it is desirable to keep them in a special case made and lettered to simulate a bound volume of a thesis.
- (e) Supplementary material such as folding maps and other large folded sheets and primary data on microfiche may be placed in a pocket inside the back cover of the bound thesis.
- (f) Supplementary material such as microfilm which cannot readily be kept in a pocket should be placed in a special case made and lettered to simulate a bound volume of the thesis.
- (g) In view of problems of long term storage stability, presentation of material in a form other than printed copy or microform should not be contemplated without prior consultation with the University Librarian. When audio or audio-visual tapes are submitted they should normally be inserted into the back cover of the thesis. In some cases, it may be desirable to submit them in a separate volume made to simulate a bound volume of the thesis.
- (h) A supplementary case or additional volume of a thesis should be distinguished by a volume number but should otherwise be uniform with the first part of the thesis in respect to colour, lettering and, as far as possible, size

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