



ADELAIDE
UNIVERSITY
AUSTRALIA

ADELAIDE UNIVERSITY

2002
CALENDAR

PART 2

POSTGRADUATE ACADEMIC PROGRAMS

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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'





The University is currently in the process of implementing a new information systems infrastructure. This includes a new Student Administration system. A consequence of this initiative is that the University has adopted a new nomenclature to describe its academic awards and curriculum offerings.

The changes in terminology that will be noticed in the Handbook of Academic Programs are as follows:

Academic Program is used to describe academic awards previously referred to as Courses.

Course is used to describe syllabus offerings previously referred to as Subjects.

Unit is used to describe the value the course contributes to program completion, previously referred to as Points.

New course codes are also part of this systems update. The new code includes both a subject area and numeric identifier. For historical and reference purposes the old code has been included in brackets at the end of the course title (if no code is bracketed this indicates a new course in 2002).

To facilitate easy usage in these early stages of change, courses will be alphabetically indexed by name, rather than by the new identifier.

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General Academic Program Rules

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General Academic Program Rules

Preamble

The aim of the General Academic Program Rules is to bring together in one place all general policies regarding program matters. If, for reasons of space, the full policy statement on any area is not included in the General Academic Program 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.

All academic programs offered by the University have been developed within the framework of the General Academic Program 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 program matters.

A glossary of terms is being developed for approval.

1 Coverage of rules

The following rules apply to postgraduate academic programs for which there are Specific Academic Program Rules, and apply together with the Specific Academic Program Rules.

2 Duration of Programs

What follows are general statements about program duration. Please refer to the Specific Academic Program Rules for each program for any precise statements about program duration.

1 Professional Certificates

The program of study will normally be completed in half a semester of full-time study or not more than one year of part-time study

2 Graduate Certificates

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

3 Graduate Diplomas

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

4 Postgraduate Diplomas

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

5 Master degrees

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

3 Academic year

- (a) Subject to the following sub-sections 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.
- (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 programs 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 programs and all single course 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.

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.

4 Admission

4.1 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 Academic Program Rules.

4.1.1 Professional certificates

1 Standard admission

An applicant for admission to the course of study for the Professional 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 Academic Program Rules for the Professional Certificate.

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 Professional 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 Professional Certificate.

4.1.2 Graduate certificates

The Bachelor of Laws (LL.B.), Bachelor of Architecture (B. Arch.), Bachelor of Landscape Architecture (B. L.Arch.) and the Bachelor of Educational Studies (B.Ed.St.) are Graduate Bachelor degrees requiring prior tertiary study on point of entry. The specific admission requirements for these programs are contained in the appropriate Specific Academic Program Rules.

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 Academic Program Rules for the Graduate Certificate.

Programs within the Elder School of Music 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.

4.1.3 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.

Programs within the Elder School of Music 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 Executive Deans of Faculties

4.1.4 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.

4.1.5 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.

Programs within the Elder School of Music normally require a satisfactory audition as well

2 Discretionary admission

With the approval of the Board of Research, Education and Development, acting with authority wittingly devolved to it by Council*, the Dean 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 Executive Dean of the Faculty concerned 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 Research, Education and Development*, 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.

4.1.6 Degrees of Doctor of Philosophy (Ph.Ds)

The degree of Doctor of Philosophy has its own set of Rules contained in the University Calendar, Part II: Postgraduate Programs.

Rule 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 Adelaide University or the equivalent thereof. Applications from students with other qualifications will require the approval of the Board of Research, education and Development.

4.1.7 Higher doctorates

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

4.2 Status/credit transfer

A candidate who has passed courses in other faculties or tertiary institutions or who has other qualifications may, on written application to the Faculty, be granted such status in those courses or exemption from the relevant program or course 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.

4.3 Cross-institutional studies

Students enrolled in a program of study at one higher education institution who want to count courses or topics offered at one (or more) of the other institutions as part of their award may be admitted to such courses 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 courses is sought is referred to as the 'other institution'.

Quotas

Normal quotas on admission to award programs do not apply. However, the other institution may not admit Cross-Institutional students in courses 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 program at the other institution at which they are allowed to enrol. If a Cross-Institutional Student is subsequently admitted to a program leading to an award at the other institution at which they have been allowed cross-institutional enrolment, courses 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 courses towards an award to the Executive Dean of the Faculty concerned.

4.4 Tuberculosis screening of overseas and Australian students

All overseas students studying at Adelaide University shall attend the University Health Service to have the standard screening tests for 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.

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.

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.

Those persons screened who do not show evidence of infection will be offered vaccination (BCG) by *Wirringa*, the University Health Service.

5 Enrolment and re-enrolment

5.1 Approval of program of study at enrolment

Each student's program of study shall be approved by the Executive Dean of Faculty (or nominee) at enrolment each year, unless otherwise stated in the Specific Academic Program Rules pertaining to the student's program/s.

5.2 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 course after the date prescribed by Council for such changes shall be counted as failure.

5.3 Availability of courses

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

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

5.4 Compliance with rules

On each enrolment a student shall complete the following declaration: 'I undertake to obey the statutes and regulations of Adelaide University 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.'

5.5 Program overloads

5.5.1 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 program work study which constitutes more than a normal year's workload:

- 1 The problem of program 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 Program Adviser. Program 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 Program Adviser persists with the overload enrolment, it should not be prevented.
- 4 In the case of all overloads by students the Dean/Program 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 course prior to the scheduled last date of withdrawal.
- 5 In the case of a student wishing to take an overload, the Program Adviser should put his or her advice to the student in writing.
- 6 A student may decline the advice of a program adviser in which event the student risks the possibility in some Faculties of exclusion provisions being applied in the event of failure.

5.6 Enrolment by prescribed date & payment of fees

Further to Chapter 9 of the Statutes,

- 1 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 program of study or course in accordance with the selection criteria and procedures approved by Council and
 - (c) has lodged a completed enrolment form and has paid or made satisfactory arrangements for payment of prescribed fees and charges.

The following are clauses 2 and 3 of the Academic Year Rules:

- 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.

- 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) An extension of time for payment of fees may be allowed. 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 shall incur such additional fee as may be prescribed by the Council.

5.7 Repeal or alterations of program of study

In all cases where rules affecting the program 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 rules repealed or altered to complete their program thereunder, but may impose such conditions or modifications as may seem good to the Council in each individual case.

In all cases where the 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 rules repealed or altered to proceed to that degree, to complete his [or her] qualification under the rules so repealed or altered, provided that [the candidate] complete his [or her] qualification for admission to the degree under those rules within three years of the date of such repeal or alteration.

5.8 Leave of absence

Please refer to the Specific Academic Program Rules for individual programs for any precise policy statements about leave of absence.

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

*The Faculty in the case of Master degrees by coursework and the Board of Research, Education and Development in the case of Master degrees by research

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

5.9 Prerequisite and corequisite studies

Except by permission of the relevant Faculty, a student shall not enrol in any course for which the pre-requisite or corequisite requirements prescribed in the syllabus have not been met. Pre-requisites must be passed at the minimum level prescribed by the Faculty.

5.10 Prior knowledge

A course 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 course if, after receiving advice from the Head of the Department which teaches the course, it considers that the student's background and qualifications are fully adequate for another course which is taught in that Department and which is available as an alternative.

5.11 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 programs and courses.

5.12 Repeating a course

Exemptions

Repeating a course for the second time - enrolment restriction

No student shall repeat a course already passed except where:

- a higher classification of pass is necessary to enable the student to satisfy prerequisite course requirements for a higher level course
- a student needs to convert a conceded pass to a higher level pass in order to qualify for an award
- Specific Academic Program Rules for an award provide for the repeating of a course, 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
- 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 Academic Program Rules.

5.13 Withdrawal dates

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

semester 1 courses: the end of the ninth teaching week of the semester (excluding mid-semester break)

- semester 2 courses: the end of the ninth teaching week of the semester (excluding mid-semester break)
- full year courses: the end of the fourth teaching week of second semester

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

5.14 Non-award enrolment

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.

5.15 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) An extension of time for payment of fees may be allowed. 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 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 notwithstanding 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.

Note: the Adelaide University Student Guide contains some general information about Student Service Fees (commonly called Union fees), tuition fees and other charges. See also the Specific Academic Program Rules for any additional program-specific fees or special items which may need to be purchased.

6 Assessment and examinations*

The following applies to students undertaking coursework postgraduate studies:

1. In this Rule, unless the contrary intention appears:
 - assessment work includes all essays, tests, papers, theses, demonstrations, performances and any other work whatsoever whether written or otherwise other than examination papers within the meaning of any degree or diploma or certificate Regulation, Schedule or Syllabus or counting towards the award of any degree or diploma or certificate.
 - candidate* includes any person enrolled as a candidate for a degree or diploma or certificate or for any course of study offered by the University for a degree or diploma or certificate.
 - Departmental Assessment Committee* means the committee of staff and students established by a Department (or, in the case of a single-department Faculty and if it so chooses, a Faculty) to implement the University's policies on assessment procedures, complaints and offences.
 - examination* includes any formally supervised examination in a course held at a fixed time and place;
 - examination room* means a designated place where an examination is held;
 - examiner* means the person or persons with responsibility for the assessment of examination papers or assessment work in any course;
 - Senior Examination Supervisor means a person authorised by the Director, Finance & Infrastructure, with responsibility for the supervision of a particular examination held by the University;

course includes a course within the meaning of any degree or diploma or certificate Regulation, Schedule or Syllabus;

the University means Adelaide University.

- 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.
- 3 No candidate shall submit as if they were genuine any data or results of laboratory, field or other work that are fabricated or falsified.
- 4 No student shall assist any candidate in an examination or other piece of assessed individual work, and no candidate shall accept assistance in such an examination or other piece of assessed individual work, except in accordance with approved study and assessment schemes.
- 5 No candidate shall submit the same piece of work for assessment in two different courses, except in accordance with approved study and assessment schemes.
- 6 No candidates shall have in his or her possession during an examination any material other than that which the examiner has specified as permissible.
- 7 No candidate shall cause any disturbance or engage in conduct likely to disturb any other candidate in an examination.
- 8 No candidate shall contravene any Rules approved by the Council for the conduct of candidates at examinations and in other assessment, or any examiner's written instructions concerning the submission of assessment work.

Procedure in Examinations

- 9 (a) If a Senior Examination Supervisor has reason to believe that a candidate has committed or is attempting to commit a breach of the provisions of clause 4, 6, 7 or 8, the Senior Examination Supervisor shall immediately warn the candidate and shall report the matter to the Executive Director, Student and Staff Services, as soon as possible.
 - (b) A Senior Examination Supervisor may require a candidate who is causing any disturbance to leave the examination room.
 - (c) A Senior Examination Supervisor may take possession of any material brought into an examination room in contravention of the provisions of clause 6, and shall forward the

material to the Executive Director, Student and Staff Services, with a report on the matter.

- 10 The Executive Director, Student and Staff Services, shall refer a report made pursuant to clause 9 to the Head of the relevant Department, who shall deal with the matter according to the procedure set out in clause 12(b).

Plagiarism

- 11 All Departments shall, as part of their informing students of assessment requirements and procedures, inform them in writing of the University's Statement of Principles and Definition of Plagiarism and Related Forms of Cheating.
- 12 (a) If an assessor believes that a student has contravened clause 2 concerning plagiarism, the assessor shall notify the Head of Department, in either of the following ways:
 - (i) If there are grounds for believing that the offence has resulted from a misunderstanding of academic conventions rather than deliberate deception, the assessor shall counsel the student and advise the Head of Department that no further action is required apart from the resubmission of the piece of work.
 - (ii) If the assessor finds what appears to be a case of deliberate plagiarism, the assessor shall supply the Head of Department with the piece of work and a written statement of reasons for the belief that it is plagiarised.
- (b) (i) The Head of Department shall inform the student in writing of the allegation, and shall interview the student with the assessor. The student may bring another person to be present at the interview.
 - (ii) If the offence is admitted, and if in the opinion of the Head of Department there are no significant extenuating circumstances, the work shall be given zero marks and the student shall fail the course without the option of taking a supplementary examination.
 - (iii) If the offence is admitted, and if in the opinion of the Head of Department there are significant extenuating circumstances, the work shall be given zero marks, but the student may be permitted to resubmit the piece of work. The fact that a student is in his or her first year at university may be regarded as an extenuating circumstance.
 - (iv) If the offence is not admitted, or if the Head rejects a plea of extenuating circumstances, the matter shall be referred to the Departmental Assessment Committee.

(v) The Departmental Assessment Committee shall be a lower tribunal under the terms of Statute Chapter 12 and associated and shall hear the case following the procedures required under that statute and rules. If the offence is admitted the Committee shall consider the plea of extenuating circumstances and confirm or alter the penalty. If the offence is not admitted the Committee shall make a finding and, if appropriate, impose a penalty, in accordance with clause 12(b)(ii) or 12(b)(iii).

- (c) All cases of plagiarism, except marginal ones as provided for in clause 12(a)(i), shall be recorded in a confidential register of the Board of Conduct.

Other breaches

- 13 (a) If an assessor or a supervisor of practical work has reason to believe that a student has falsified or fabricated results or data in contravention of clause 3, the matter shall be reported to the Head of Department, who shall deal with it according to the procedure set out in clause 12(b).
- (b) All cases where a student is found to have contravened clause 3 shall be recorded in a confidential register of the Board of Conduct. This record, and any kept under the terms of clause 12(c), shall be destroyed three years after graduation or five years after the student was last enrolled in the University.
- 14 If an assessor believes that a student has contravened clause 4, 5 or 8, the assessor shall notify the Head of Department, who shall deal with the matter according to the provisions of clause 12(b).

Appeals

- 15 A student may appeal to the Board of Conduct against a finding or penalty of a Departmental Assessment Committee. Where a student denies that a piece of work has been plagiarised, the Board may seek the advice of a person or persons with expertise in the subject matter.

Second and subsequent offences

- 16 If a student is found to have committed a breach of any of the foregoing clauses a second or subsequent time (other than a marginal case of plagiarism as provided for in clause 12(a)(i)), the offence shall be reported to the Board of Conduct which, subject to the provisions concerning mediation in the rules under Statute Chapter 12, shall hear the matter and may impose further penalty as provided for in that Statute and rules.

Prejudicial conduct

- 17 If a student admits, or is found to have committed, conduct in breach of any of these clauses which prejudices the interests of other candidates in an examination or the integrity of an assessment scheme itself, the Head of Department shall refer the matter to the Board of Conduct, which may impose any penalty authorised under this Rule or in Statute Chapter 12 and associated rules.

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

6.1 Assessment Policy and Appeals

The Assessment Policy establishes recognised principles and procedures under which Departments conduct assessment of students' work, and under which students may claim a review of an assessment mark or seek resolution of a grievance to do with assessment or academic status for work done elsewhere. The general principles are largely a statement of existing practices in the University: they are not all completely applicable to every program or discipline, and some Faculties and Departments follow additional assessment principles which are appropriate to them but not necessarily relevant to the whole University.

Departmental Assessment Committees will provide an appropriate forum within which staff and students may periodically review assessment processes and make recommendations to the Head of Department, and where disputes may be resolved. The Student Academic Appeals Committee is required to deal with assessment and other grievances that have not been resolved at Departmental level. Its role is primarily to ensure due process and fairness: in assessment appeals it would not override the academic judgment of academic staff expert in a course, but it may on occasions need to moderate the judgement of one expert with that of others. If the basic principles and procedures in assessment are followed at the Departmental level, there should seldom be grounds on which a student could justifiably appeal.

It is assumed that students will exercise their right to appeal in assessment matters responsibly. That is, appeals will be confined to cases where students genuinely believe they have reasonable grounds for expecting a higher mark. If the procedures are exploited merely in the hope of improving marks, the extra assessment load could become so burdensome that the right of appeal would have to be reviewed.

General Assessment Policy Principles

- 1 Types of assessed work should be appropriate to the learning objectives of the course.
- 2 As much assessed work as possible should be discussed with the students who produced it, and where appropriate returned with written comments, to provide feedback about their strengths and weaknesses.
- 3 The total burden of assessed work should not be such as to affect students' approaches to learning in ways that are inconsistent with the learning objectives of the course.
- 4 In many disciplines, there are a variety of ways in which students may demonstrate their understanding and mastery of course matter and techniques. Where this is compatible with the need to assess various objectives, students should be given some choice in the types of work they submit, or the relative weight of different components. In some disciplines it will be appropriate for students to have some choice in the particular course matter they focus on.
- 5 Departments should, with the active participation of students, periodically review the methods of assessment, the relative importance and validity of different types of assessment, the range of choice and the quantity of work required.
- 6 Students may have the opportunity to undertake supplementary* assessment if they fail a course. Where a substantial piece of work submitted during the teaching of a course is judged below pass standard, students should have the opportunity of submitting another piece of work for assessment.
- 7 Departments are required to inform all students in writing, either before or within the first two weeks of the teaching of each course, precisely what its assessment requirements are, including any choices, deadlines, opportunity for re-submission or supplementary assessment etc. Opportunity should be given for students to ask questions and discuss the modes of assessment.
- 8 Where practicable, assessment procedures should be designed to allow for the participation of more than one assessor for each student. (It is recognised that many specialist courses in the later years of programs are taught and assessed by one person. Departmental moderation of standards is advisable to ensure maintenance of comparability.)
- 9 Departments should take steps to ensure accuracy and to guard against bias. Checking of additions, and of the assessment of students with marks at the borderline between assessment grades, should be standard procedure. Anonymity of work submitted may be desirable as a protection against bias.

Grading Schemes

There shall normally be four classifications of pass in courses for Ordinary and Master degrees, Graduate Certificates and Graduate Diplomas:

Pass with High Distinction

Pass with Distinction

Pass with Credit

Pass

If the list of candidates who pass is published in two divisions, a pass in the higher division may be prescribed in the syllabus as a prerequisite for admission to another course.

There is also a classification of Conceded Pass. In some Faculties a candidate may present for an Ordinary degree only a limited number of courses for which a Conceded Pass has been awarded - see the Specific Academic Program Rules for details.

If marks are to be recorded on the academic transcript, then the range of marks for each classification of Pass is as follows:

High Distinction 85-100

Distinction 75-84

Credit 65-74

Pass 50-64

Conceded Pass 45-49

For certain courses the grade of Pass is unclassified as either Non-Graded Pass or Satisfactory.

There are also grades used within the University mainly for administrative purposes such as 'Withdraw (Not Fail)' and 'Continuing'. Please refer to the Administrative Services Branch for details.

Assessment Procedures and Appeals

Introduction

- 1 This document contains a statement of the rules and procedures under which:
 - i Departments conduct assessment of students' work
 - ii students may claim a review of assessment
 - iii students may seek resolution of a grievance to do with those aspects of the operation of the University which may affect adversely their work within the University, including policies and procedures governing academic programs and the recognition of prior learning (status or transfer of credit).
 - iv students may take unresolved grievances to a higher authority.

- 2 These rules apply generally to all students of the University, and in particular to all undergraduate students, including Honours students .
However, Honours and higher degree students who have grievances with respect to the research component of their degrees are provided for specifically by the University's Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees (hereafter referred to as the "Code of Practice"). Such students must follow the policy and procedures set out in Attachment D of the Code of Practice, which apply also to the minor dissertations or course-work projects which comprise the research component of Masters degrees by coursework and Honours degrees.

- 3 The University draws a distinction between two categories of grievance. The policies and procedures described in this statement belong to the category of grievances pursued by students against the institution, for which the Student Appeals Committee is the ultimate decision-making body under the authority of the Council.

The other category involves disciplinary action by the University against a student, for which other bodies such as the Board of Conduct carry the ultimate decision-making responsibility under the Council. Policies and procedures belonging to this category of grievance are described in other statements of rules, including Plagiarism and Related Forms of Cheating, Review of Academic Progress, General Misconduct, Equal Opportunity Issues and Sexual Harassment.

Definition of key terms

- 4 The term *undergraduate students* is used throughout this statement to describe students who are enrolled in one or other of the University's courses leading to the award of a Bachelor degree or a qualification at a lower level such as an Associate Diploma. The term therefore includes students who are enrolled in a program of study leading to the awards of an Honours Bachelor degree or a Bachelor degree with Honours.
- 5 The term *postgraduate students* is used throughout this statement to describe students who are enrolled in one or other of the University's courses leading to an award at a level for which a Bachelor degree, an Honours Bachelor degree, or a Bachelor degree with Honours is a prerequisite. The term therefore includes students who are enrolled in courses leading to the award of a Graduate Certificate, a Graduate Diploma, a Masters degree, or the degrees of Doctor of Philosophy or Doctor of Medicine.
- 6 The term *higher degree students* is used throughout this statement to describe students who are enrolled in either a Masters degree by research or a Doctoral degree, as defined in the Code of Practice.

- 7 The term *grievance* is used throughout this statement to describe any serious concern that a student may wish to raise at least at an informal and oral level about some aspect of the operation of the University as defined according to the types of grievance described in clause 10 below.

- 8 The term *complaint* is used throughout this statement to describe the stage in a student's pursuit of a grievance against the University where the student, having raised a concern at an informal and oral level without achieving resolution of the grievance to his or her satisfaction, wishes to take the matter to a formal and written level.

- 9 The term *appeal* is used throughout this statement to describe the stage in a student's pursuit of a grievance the University where the student, after his or her complaint has been heard without achieving resolution of the grievance to his or her satisfaction, wishes to take the matter to:

- 9.1 the Student Appeals Committee in the case of undergraduate students and postgraduate students other than higher degree students *or*
9.2 the Review Panel of the Board of Graduate Studies in the case of higher degree students.

Types of Grievance

- 10 Grievances which students may pursue against the University are of distinct kinds, which are dealt with separately:

Grievances regarding assessment policy and procedure

Policy and procedure for grievances relating to advice about assessment, the grading of assessed work, final grades in courses, supplementary examinations and/or resubmissions are described under clauses 27 to 38 below.

Grievances regarding academic programs and recognition of prior learning (status or transfer of credit

Policy and procedure for grievances about the structure of programs and courses, and the means of assessing them, recognition of prior learning including status or transfer of credit and exemption from prerequisites, and other aspects of the organisation and operation of academic programs, are described under clauses 39 to 43 below.

General policy and procedures applying to all forms of student grievance against the University

- 11.1 Students are expected to raise grievances responsibly, and not frivolously. The University will treat grievances seriously and with due regard to the rights of all parties.
- 11.2 In its response to grievances raised by students, the University will at all times act expeditiously, with due regard to the need for confidentiality and use its best

endeavours to obtain a resolution which is fair to all parties.

11.3 Wherever possible and consistent with clause 11.2 above, grievances will be resolved by informal means.

Assistance, Mediation and Advocacy

12 These procedures recognise that students who have grievances against the University may desire the assistance of others in their dealings with the matter. The three main types and locations of such personal support available are as follows:

12.1 assistance with information and with understanding and following the appropriate rules:

- i A more concise statement of these procedures will be found in the Student Guide
- ii At any time students may consult the Students Association, a Union Education and Welfare Officer, the Student Interests Office, the Course Coordinator or the Head of the relevant Department, their Faculty Program or Student Adviser, the appropriate Faculty Registrar, or a Student Counsellor from the University Health and Counselling Service for assistance and advice
- iii Postgraduate students may also consult the Postgraduate Students Association, or the Departmental Postgraduate Coordinator
- iv Higher degree students and students whose grievances are related to the research components of coursework Masters and Honours degrees should refer to the Code of Practice.

12.2 Mediation by a disinterested third party during informal and oral consideration of a grievance:

- i Both the student or students and the staff member involved in a grievance may enlist the aid of a disinterested third party to assist with consultation or negotiation, with a view to resolving the grievance at the informal, oral stage and in confidence.

12.3 advocacy on behalf of the student during the processing of a formal and written complaint, or the hearing of an appeal:

- i All persons named in clause 12.1 above may also be supporters or advocates for students or staff members, as appropriate
- ii Notwithstanding the general practice of the Student Appeals Committee to consider and determine appeals on the basis of written submissions, a student may seek the help of another person in presenting his or her case for appeal to this Committee, including advocacy on behalf of the student subject to the Committee's agreement.

- iii The Code of Practice makes explicit provision in Attachment D for higher degree students appealing to the Review Panel of the Board of Research, Education and Development to be interviewed by the Panel, and to have the right to be accompanied by another person, who may be accorded speaking rights, at the interview or any other stage.

12.4 Persons responsible for dealing with grievances shall advise students concerned that they may seek assistance from persons listed in clause 12.1 above.

Victimisation

13 Victimisation of students who lodge complaints is prohibited.

13.1 If students fear they may be victimised, they may request the person to whom their complaint is addressed to make arrangements to protect their interests, including allocating them to other classes, moderating their assessment, or assigning administrative dealings to another officer.

13.2 Students who fear victimisation are encouraged to contact the Student Interests Office, who is available to advise students and staff on appropriate arrangements.

Initial Informal, Oral Consideration

14 Students who wish to raise a grievance against the University are encouraged to do so informally and orally in the first instance by consultation with the appropriate member of the academic or general staff of the University. Staff approached in this spirit are expected to give their best endeavours to resolving the grievances in a timely manner and without recourse to formal procedures. Most grievances can be resolved quickly by direct discussion between the individual student or students and the staff member concerned.

For academic grievances the course coordinator or Head of Department will often be the most able to resolve or clarify the issues involved.

Formal, Written Complaints

- 15 If a student's grievance is not resolved to his or her satisfaction by informal and oral consultation or negotiation, and the student decides that it is appropriate to raise the issue as a formal complaint, he/she shall submit the complaint in writing in the first instance to the appropriate person as designated later for each type of grievance in this statement of rules.
- 16 Students lodging complaints are expected to prepare clear and appropriately detailed submissions, and in particular to specify the type of grievance to which the complaint belongs, the grounds on which the complaint is lodged (with reference to the relevant

clauses of this statement of rules), and the steps which have been taken previously but unsuccessfully to resolve the grievance.

Efficient Processing

- 17 Grievances shall be dealt with diligently and expeditiously by the persons to whom they are addressed. The person receiving a formal complaint in writing from the student should normally acknowledge within 7 calendar days such receipt in writing and indicate who will process the application. Generally, the student shall be informed in writing within 30 days of the outcome of the complaint. Where this cannot be achieved for whatever reason the student shall be informed in writing of the reasons for the delay and given a time-line for processing the application.

Informing Students and Staff about Progress and Outcome

- 18 Students who lodge complaints shall be kept informed about the progress and outcome of their complaint. The final decision shall be notified in writing.
- 19 Where a complaint has particular implications for an individual staff member(s) in a Department or Faculty, such staff member(s) shall be kept informed about the lodging, progress and outcome of the complaint.

Right of Appeal

- 20 If the complaint is not resolved by the due process to the satisfaction of the student making the complaint, the student may appeal:
 - 20.1 to the Student Appeals Committee, in the case of undergraduate students and postgraduate students other than higher degree students or
 - 20.2 to the Review Panel of the Board of Research, Development and Education, in the case of higher degree students.

Confidentiality

- 21 Whether the grievance be raised informally and orally by, or on behalf of, the student, or formally and in writing by the student as a complaint, the person responsible for dealing with the grievance must ask whether the student wishes his or her identity to remain confidential from any individual staff member involved. It must be understood that both resolution of a complaint, and fair practice with respect to the staff member, often require that the staff member who is the subject of the complaint be informed of the name of the complainant.
 - 21.1 If the student wishes confidentiality to be maintained from the staff member concerned, all activities and proceedings of the person involved in resolving the grievance shall maintain the confidentiality.

- 21.2 Where the matter cannot be resolved while maintaining confidentiality from the staff member concerned, the matter should be clarified with the Director of Equal Opportunity, or appropriate officer.

Consequential Changes in the Operation of the University

- 22 Where other students' interests are likely to be affected by the problem or issue raised by the complaining student, the person receiving the complaint shall take whatever steps are practicable to ensure equitable treatment for all students who may be concerned. Any recommendations for changes to University procedures should be transmitted through the Faculty or Administration Branch concerned.

Keeping of Records

- 23 Where grievances are resolved satisfactorily through informal discussion, and without recourse to writing, no records shall be kept.
- 24 Where formal, written complaints are proceeding but not yet resolved, the person responsible for dealing with the complaint will keep written records. These may be required if the case proceeds to Appeal.
- 25 For formal, written complaints where the final outcome reflects adversely on the performance of any individual staff member and the staff member has been involved in the resolution process, a record of the complaint and outcome will be placed on the staff member's personal file, and the staff member shall be given a copy of the record in full and shall be entitled to attach his or her own comments about them to the personal file.
- 26 Apart from the records defined in clauses 24 and 25 above, no other records shall be kept which may tend to identify either the student or any individual staff member concerned.

Section A: Grievances regarding assessment Policy and Procedure

General Advice

- 27 Students who are dissatisfied with the assessment of their work, or with the final grade awarded for a course, shall in the first instance attempt to resolve their concerns by discussing them, as soon as possible after being notified of the result in question, with the assessor or with the lecturer in charge of the course.

Assessment Policy

Advice to be Given to Students

- 28 Heads of Department shall be responsible for ensuring that all students are informed in writing, either before or within the first two weeks of the teaching of each course, precisely what its assessment requirements are, and what arrangements will be provided for students access to their marked scripts.

- 29 Students shall be given opportunity within the first two weeks of the teaching of each course in which they are enrolled to clarify and discuss changes to the assessment requirements for the course.
- 30 Students shall be responsible for becoming aware of the assessment requirements in each of the courses in which they are enrolled.
- 31 Honours students shall be provided by their supervisors with guidelines on the requirements governing the preparation and submission of their theses or dissertations, which may be based upon the guidelines for higher degree students contained in the Code of Practice.
- 31.1 Chapter XVII, clause 11 of the Statutes requires, further, that 'All Departments shall, as part of their informing students of assessment requirements and procedures, inform them in writing of the University's Statement of Principles and Definition of Plagiarism and Related Forms of Cheating'.
- 31.2 Staff shall inform each student who indicates dissatisfaction with the assessment of his or her particular work about the time lines and procedures for dealing with grievances, or where to find such information.
- 32 Postgraduate Coordinators in each Department shall ensure that higher degree students in the Department are provided with a copy of the Code of Practice at the commencement of their candidature.

Departmental Assessment Committee

- 33.1 All Departments shall have a Departmental Assessment Committee, or an equivalent body, consisting of both staff and student members, together with the Head of Department, which shall give advice to the Head of Department with respect to assessment procedures within the Department.
- 33.2 The Departmental Assessment Committee shall discuss relevant matters with the student, staff who have participated in assessing the course, and the Head of Department, and the Committee may seek advice from other persons as it sees fit.
- 34 Departmental assessment committees will keep under review, and publicise annually, the assessment procedures used for each course offered by the Department, and the name and location of the convener, to whom complaints shall be addressed.

General Assessment Complaints

- 35 Departmental assessment committees will consider oral or written complaints arising from any aspect of assessments by staff or students and advise the Head of Department.
- 36.1 Any student who is dissatisfied with the final grade awarded for a course may lodge, after discussion of the result with the lecturer in charge wherever

possible, and within 14 calendar days from the date of notification of the final grade, a request for a review of the grade or an independent second assessment with the Convener of the Assessment Committee.

- 36.2 The Head of Department, after seeking the advice of the Departmental Assessment Committee, shall make a determination on review or second assessment, and inform the student of his or her decision in writing within 14 calendar days of receiving the request. In the case of a review or second assessment, this shall be completed, where possible, within a further 14 days and the result notified to the student in writing.
- 36.3 The mark awarded to a piece of work following review or second assessment as provided for in these rules or as a consequence of appeal to the Student Appeals Committee shall stand as the final mark for the work, regardless of whether this mark is higher or lower than the mark originally awarded.
- 37 A student who believes his or her request for a review of a final grade has not been justly dealt with by the Head of Department may appeal to the Student Appeals Committee. Such appeal shall be lodged within not more than 7 calendar days from the date on which the student received notification of the decision.

Assessment of Higher Degrees

- 38 The responsibilities of the University, of Departments, of supervisors and of students with regard to assessment and all other aspects of the research component of higher degrees and Honours degrees are as defined in the Code of Practice.

Section B: Grievances regarding academic programs and recognition of prior learning (status or transfer of credit)

- 39 Students may raise a grievance relating to any aspect of the academic program, policies or procedures for which Departments or Faculties are responsible in the University, including the means of assessment used in a course, clarity of the stated prerequisites for a course or program, the quality of a postgraduate induction program, and recognition of prior learning including status or transfer of credit and exemption from prerequisites or from parts of a course or program on the basis of work completed elsewhere.

Procedures Specific to Grievances under Section B

Contact Persons for Informal Discussion

- 40 Students are encouraged to resolve grievances with the staff directly concerned, or those who have direct responsibility.
- 41 Where students wish to raise the grievance at the Departmental or Faculty level, this should be done by a direct approach to the Head of Department or Dean, as appropriate. Assistance may be sought from a

student representative on the appropriate committee of the relevant Department or Faculty.

- 42 Should informal discussion fail to resolve the issue, then a written complaint can be submitted.

Whom to Approach with Formal, Written Complaints

- 43 If a student decides that it is appropriate to raise the grievance as a formal complaint, he/she shall submit the complaint in writing in the first instance to:
- 43.1 the relevant course or program coordinator, where the complaint relates to a particular course or program
 - 43.2 the student's supervisor, where the complaint relates to a postgraduate research project
 - 43.3 the Head of Department, where the complaint relates generally to a Department's courses or its academic policies and procedures
 - 43.4 the Faculty Registrar, where the complaint relates generally to a course for which the Faculty is responsible or to the academic policies and procedures of a Faculty, including curriculum, teaching, assessment, or transfer of credit.

6.2 Plagiarism and related forms of cheating

Plagiarism is expressly prohibited under Rule 6, point 2.

Definition

Plagiarism consists of a person using the words or ideas of another as if they were his or her own. Adelaide University 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.

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 courses.

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 Adelaide University's *Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees* and the University's booklet on *Higher Degree Administration* as well as the Guidelines on Higher Degrees by Research and Specifications for Thesis contained in the University Calendar, Part 2, Postgraduate Programs.

They should also consult the Specific Academic Program Rules for the program they are undertaking.

6.3 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 Academic Program Rules for the program they are undertaking.

6.4 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*.

7 Conduct and Safety

7.1 Computing facilities: rules for student use

7.1.1 General

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

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.

7.1.2 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.

7.1.3 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.

7.2 Intellectual property

The University's policy on intellectual property is contained in section 10.13 of the Handbook of Administrative Policies and Practices. The policy is also reproduced in Adelaide University's *Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees*.

7.3 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 Academic Program 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

7.4 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'.

Adelaide University 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.

Adelaide University 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.

7.4.1 General safety rules

7.4.1.1 Eating, drinking and the application of cosmetics in laboratories is prohibited. (Wine tasting, which occurs as part of the Wine Science and Wine Marketing programs at Roseworthy Campus is permitted in designated laboratories only.)

7.4.1.2 Do not store food and/or drink in laboratory refrigerators or laboratory storage units.

7.4.1.3 Do not run or indulge in horseplay.

7.4.2 Fire prevention

7.4.2.1 No smoking in laboratories.

7.4.2.2 No open flames should be left unattended and no open flames should be used near any flammable solvents.

7.4.2.3 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.

7.4.2.4 Keep fire escape routes clear at all times.

- 7.4.2.5 Be familiar with FIRE PROCEDURES within the laboratory.
- 7.4.2.6 Be familiar with the use of fire-fighting equipment.
- 7.4.3 Personal protection**
- 7.4.3.1 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.
- 7.4.3.2 Laboratory coats, or gowns tied at the back, must be worn. Gloves should be worn at the discretion of the supervisor.
- 7.4.3.3 Wear closed-in footwear at all times. Bare feet, thongs and sandals are prohibited.
- 7.4.3.4 Cover all open wounds when handling chemicals and animals.
- 7.4.3.5 Wash hands after work and before leaving the laboratory.
- 7.4.3.6 Use disinfectants after handling suspected infectious materials.
- 7.4.3.7 Do not pipette by mouth, use mechanical pipetting devices.
- 7.4.3.8 Avoid lifting heavy objects - use trolleys where appropriate. Where lifting is unavoidable, seek assistance (share the load).
- 7.4.3.9 Do not use any machines or laboratory apparatus without prior instruction by the supervisor on safe work procedures and practices.
- 7.4.3.10 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.
- 7.4.4 Housekeeping**
- 7.4.4.1 Keep floors tidy and dry.
- 7.4.4.2 Keep benches clean and free from chemicals and apparatus that are not being used.
- 7.4.4.3 Keep aisles free from obstructions.
- 7.4.4.4 Clean working area and equipment thoroughly after use.
- 7.4.4.5 If last to leave the laboratory, make sure equipment is turned off, flames are extinguished etc.
- 7.4.4.6 Keep the interior of fume cupboards and nearby areas clean and clear.
- 7.4.4.7 Observe safety signs at all times.
- 7.4.4.8 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.
- 7.4.4.9 If contractors are working in your area, make known to them any hazards which may exist in your area, ie flammable liquids.
- 7.4.5 Chemicals**
- 7.4.5.1 Clearly label all containers in use within the laboratory.
- 7.4.5.2 Always use safety carriers for transporting glass or plastic containers with a capacity of 2 litres or greater.
- 7.4.5.3 Read the Material Safety Data Sheet before commencing work.
- 7.4.5.4 Regard all substances as hazardous unless there is definite information to the contrary.
- 7.4.5.5 Carry out work in fume cupboards if material is likely to give off toxic or unpleasant odours.
- 7.4.5.6 Keep fume cupboard sashes closed whenever practicable.
- 7.4.5.7 Do not place objects near fume cupboard baffles so that airflow is prevented.
- 7.4.5.8 Do not allow flammable materials to accumulate in the laboratory.
- 7.4.5.9 Use the correct containers provided to dispose of glass, sharps, metal, paper, infectious waste etc.
- 7.4.5.10 Wash hands frequently and upon completion of work.
- 7.4.6 Electrical equipment**
- 7.4.6.1 The use of electric open bar radiators or any fan heaters is prohibited.
- 7.4.6.2 Switch off all electrical appliances when equipment is not in use.
- 7.4.6.3 Display a 'LEAVE ON' sign on any equipment required to be left on for an extended period.
- 7.4.6.4 Use Residual Current Devices (RCDs) for all hand held electrical appliances.
- 7.4.7 Emergency/First Aid**
- 7.4.7.1 It is the responsibility of all supervisors to ensure that persons working in a laboratory know the location of:
- the nearest fire extinguishers
 - first aid box
 - isolation devices for gas, water and power (where fitted)
 - emergency spill containment equipment and procedures
 - emergency personal protective equipment
 - fire/emergency escape exits
- 7.4.7.2 Wash skin immediately with plenty of water if contaminated with acids and alkalis.
- 7.4.7.3 Eyes splashed with any chemical must be washed with water and medical advice obtained immediately.
- 7.4.7.4 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.
- 7.4.8 After hours working in laboratories**
- 7.4.8.1 Work outside of core hours 8:00am to 6:00pm, or at weekends, is regarded as after hours.
- 7.4.8.2 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.

7.4.8.3 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).

7.4.8.4 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 your supervisor and Departmental Safety Officer.

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.

8 **Qualification requirements**

8.1 **Unacceptable combinations of courses**

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

8.2 **Honours Programs**

To be eligible to be admitted to an Honours degree program, a candidate shall complete the requirements for an Ordinary degree or equivalent to a standard which is acceptable to the Faculty for the purpose of admission to the Honours degree.

8.3 **Graduation ceremonies**

- 8.3.1 Subject to Chapter 89 of the Statutes, candidates who have satisfied the requirements for any award of the University shall be admitted to that award at a graduation ceremony for the purpose
- 8.3.2 Graduation ceremonies will be presided over by the Chancellor, Deputy Chancellor or other Council members appointed by the Chancellor for the purpose.
- 8.3.3 Every candidate for admission to an award in the University shall be presented by the Vice-Chancellor or the Executive Dean of the relevant Faculty or nominee, but may be admitted either in person or in absentia.

8.3.4 The forms of presentation to awards shall be determined by the Vice-Chancellor.

Note: holders of Professional Certificates, Graduate Certificates and Graduate Diplomas who wish to present the work they have done for any of these awards as partial completion of the requirements for any higher-level award must surrender their lower-level award before being admitted to the higher-level award.

9 **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 Academic Program Rules for any particular award

Appendix A

General Syllabus Information for Graduate Academic Programs

The following information pertains to graduate academic programs unless otherwise stipulated in the preamble to program 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 textbook 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 course students may obtain from the department concerned details of the assessment in that course 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 course entries for the various courses, they are subject to change. Detailed information will be available to students at the commencement of lectures.

Appendix B

Conduct at Adelaide University

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

Thus Adelaide University expects all students and staff of the University to:

- treat each other with respect
- treat the University environment and property with care
- become familiar with and to follow all University policies and practices that are relevant to their field of study or work
- 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), and Adelaide University 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 5430/5401

Victoria McCoy 8303 5430/5401

Students' Association of Adelaide University

Association office 8303 5406

Student Centre

The Manager 8303 4201

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

HR Manager 8303 4492

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Faculty of Agricultural and Natural Resource Sciences

Website: www.waite.adelaide.edu.au

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Please refer to the Graduate Studies section (see Contents) for Academic Program Rules

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

Horticulture

Natural Resources Management

Oenology

Plant Science

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 Academic Program Rules to the Convenor of the Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific Academic Program 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 Programs by Research:

Master of Agricultural Science

Master of Applied Science

Postgraduate Programs by Coursework:

Graduate Certificate

Graduate Diploma

Postgraduate Diploma

Master

The above awards have been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 General

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

2 Admission requirements

2.1 An applicant for admission to the program 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.

2.2 An applicant for admission to the program 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.

2.3 An applicant for admission to the program 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.

2.4 An applicant for admission to the program 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) courses to the value of 12 units from the Graduate course pool in the same field of study *or*
 - (ii) have other relevant practical experience approved by the Faculty.

- 2.5** An applicant for admission to the Master of Agricultural Science or the Master of Applied Science shall:
- have qualified for an Honours degree offered by the Faculty or its equivalent in an institution accepted for the purpose by the Faculty *or*
 - 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*
 - 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.

2.6 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.

2.7 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 2.1, 2.2 or 2.3 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.

2.8 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 2.4 or 2.5 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the Master's degree.

2.9 Status, exemption and credit transfer

2.9.1 No candidate will be permitted to count for an award any course, project work, dissertation or research thesis which, in the opinion of the Faculty, contains substantially the same material as any other course, project work, dissertation or research thesis which the candidate has already presented for another qualification.

2.9.2 A candidate who desires that work completed should be counted towards the requirements of these Specific Academic Program Rules may, on written application to the Faculty Registrar (in the case of the Graduate Certificate, the Graduate Diploma or the Postgraduate Diploma) or Graduate Studies (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.

3 Enrolment

3.1 Program approval

3.1.1 Every candidate for the Graduate Certificate or the Graduate Diploma in consultation with the Postgraduate Coursework Adviser shall prepare a program of courses and activities to be submitted for the approval of the Postgraduate Coursework Adviser.

3.1.2 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.

3.1.3 Every candidate for the Master of Agricultural Science or the Master of Applied Science shall

- prior to enrolment indicate in general terms the course of the research work on which the candidate proposes to submit a thesis
- provide certification from the Head of Department of the intended supervisor that:
 - the applicant has shown evidence of ability to undertake work for the Master's degree
 - the proposed research project is appropriate
 - there are available members of staff qualified and able to provide supervision of the proposed candidacy throughout its likely duration *and*
 - 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.
- 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.

- 3.1.4**
- Except by permission of the Faculty, the whole of the work for the Master's degree must be completed within the University.
 - 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.

- (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.

4 Assessment and examinations

Coursework Awards

- 4.1 There shall be four classifications of pass in each course in the Graduate Course Pool: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass.
- 4.2 A candidate who fails in a course and desires to take the course 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.
- 4.3 A candidate who has twice failed in any course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.
- 4.4 A candidate shall not be eligible for examination in a course 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.
- 4.5 For the purpose of this Specific Academic Program 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.
- 4.6 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.
- 4.7 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*

Research Awards

- 4.8 On completion of the work for a research Master's degree the candidate shall inform the Head of Department concerned and lodge with Graduate Studies, three copies of the thesis prepared in accordance with directions given to candidates from time to time.
- 4.9 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.

4.10 Review of academic progress

- 4.10.1 The progress of each candidate in the Certificate, Diploma and coursework Master's program shall be reviewed by the Faculty each academic year.
- 4.10.2 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.

5 Qualification requirements

- 5.1** To qualify for the Graduate Certificate a candidate shall present courses to the value of 12 units (which may not include 6043 Research Proposal or a Research Project) from the Graduate Course 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.

- 5.2** To qualify for the Graduate Diploma a candidate shall present courses to the value of 24 units, no fewer than half of which are from the Graduate Course 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 courses 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.

- 5.3** To qualify for the Postgraduate Diploma a candidate shall present courses to the value of 24 units, including, if required, 6043 Research Proposal, 6495 Research Methodology or 7046 Research Methodology and Experimentation; a minimum of six and a maximum of nine units deriving from research; and the balance from the Graduate Course Pool.

A candidate holding a Graduate Certificate of the University who has counted or presented the courses 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.

- 5.4** To qualify for the Master's degree by coursework a candidate shall present courses to the value of 36 units, 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 units deriving from research; and the balance from the Graduate Course 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 courses 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.

- 5.5** To qualify for the Master's degree by research a candidate must submit a satisfactory thesis on a course 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 Adelaide University approved for this purpose or its equivalent in a university recognised by Adelaide University 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.

6 Program of Study -Graduate Course Pool

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

- 6.2** The selection of courses 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.		
6.3	The following courses shall comprise the Graduate Course Pool:		
	AGRIBUS 7009WT Issues in Australian Agribusiness	3	
	AGRIBUS 7012WT International Agribusiness Environment	3	
	AGRIBUS 7031WT Topics in Agricultural Business B	3	
	AGRIBUS 7033WT Research Methodology & Methods	3	
	AGRIBUS 7041WT Topics in Agricultural Business A	3	
	AGRIBUS 7044WT Agricultural Business Management	3	
	AGRIBUS 7046WT Problems in Agricultural Business A	3	
	AGRIBUS 7047WT Problems in Agricultural Business B	3	
	AGRIC 7003RW/WT Seminars: Agricultural and Natural Resource Sciences	1	
	AGRIC 7007RW/WT Research Proposal	3	
	AGRONOMY 7000ARW/BRW Rural Sociology	4	
	AGRONOMY 7001RW Agroforestry	3	
	AGRONOMY 7003RW Managing Agricultural Development	3	
	AGRONOMY 7004ARW/BRW Advanced Agronomy	6	
	AGRONOMY 7006RW Social Psychology	4	
	AGRONOMY 7008RW Agroforestry Research Principles	3	
	AGRONOMY 7009RW Measurement of Plant and Soil Water	3	
	AGRONOMY 7012RW Development of New Crops and Markets	6	
	AGRONOMY 7013RW Crops and Pastures G	4	
	AGRONOMY 7016RW Communications and Agricultural Extension	4	
	AGRONOMY 7017WT Viticultural Engineering and Operations	3	
	AGRONOMY 7018RW Agricultural Engineering	4	
	AGRONOMY 7019RW Theories of Social Change for Developing Countries	3	
	AGRONOMY 7020RW Research Methodology	4	
	AGRONOMY 7021RW Irrigation Science	3	
	ANIML SC 7001RW Intensive Livestock A	3	
	ANIML SC 7002RW Animal Biotechnologies	3	
	ANIML SC 7003RW Breeding & Genetics of Animals	1.5	
	ANIML SC 7004RW Topics in Animal Science	3	
	ANIML SC 7007RW Current Topics in Animal Diseases	3	
	ANIML SC 7010RW Extensive Livestock A	3	
	ANIML SC 7011RW Physiology of Farm Animals	3	
	ANIML SC 7015RW Animal Breeding Biotechnologies	3	
	ANIML SC7016RW Diseases & Nutrition of Livestock	3	
	ANIML SC 7019RW Animal Welfare	3	
	APP ECOL 7001RW Ecology and Management of Rangelands	3	
	APP ECOL 7002WT Insect Behaviour	3	
	APP ECOL 7003WT Plant Disease & the Environment	3	
	APP ECOL 7004WT Biology and Diversity of Insects	3	
	APP ECOL 7005WT Biological Control	3	
	APP ECOL 7006WT Integrated Pest Management	3	
	APP ECOL 7008WT Pathogen - Plant Interactions	3	
	APP ECOL 7009WT Molecular Tools for Diagnosis of Plant Pathogens	1.5	
	APP ECOL 7010WT Topics in Crop Protection	3	
	APP ECOL 7012RW Fauna Management	3	
	APP ECOL 7013WT Fungal Biology	3	
	APP ECOL 7014AWT/BWT Integrated Weed Management	3	
	APP ECOL 7015RW Conservation Biology	3	
	APP ECOL 7016RW Indigenous Australians and Environmental Management	3	
	APP ECOL 7017WT Insect Pathology	1.5	
	BIOMET 7000WT Research Methodology and Experimentation	3	
	BIOMET 7001WT Advanced Biometry	3	
	CHEM ENG 7010WT Winery Engineering III	3	
	GISC 5001 Advanced Raster Analysis	3	
	GISC 5013 Spatial Data Modelling and Analysis	3	
	HORTICUL 7000WT Horticultural Production	3	
	HORTICUL 7027WT Horticultural Science	3	
	HORTICUL 7029WT Vegetable Crops	3	
	HORTICUL 7032WT Fruit and Nut Crops	3	
	HORTICUL 7043WT Postharvest Horticulture	3	
	HORTICUL 7050WT Ornamental Horticulture	3	
	HORTICUL 7052WT Olive Production and Marketing	3	
	OENOLOGY 7002WT Vineyard and Winery Operations I	3	
	OENOLOGY 7003WT Vineyard and Winery Operations II	3	
	OENOLOGY 7004WT Wine Packaging and Quality Management	3	
	OENOLOGY 7010WT Stabilisation and Clarification	3	
	OENOLOGY 7013WT Winemaking	3	
	OENOLOGY 7019WT Sensory Studies	3	
	OENOLOGY 7022WT Cellar Management	1.5	
	OENOLOGY 7028WT Introductory Winemaking	3	

OENOLOGY 7038WT Distillation & Fortified Winemaking	1.5	WINEMKTG7039WT Applied Marketing Research	3
OENOLOGY 7040WT Sensory Evaluation of Foods	3	WINEMKTG 7049WT Global Market for Wine	3
OENOLOGY 7045WT Industry Experience (Oenology)	3	WINEMKTG 7052WT Applied Management Science	3
OENOLOGY 7048WT Advances in Oenology	3	WINEMKTG 7053WT Introduction to Managerial and Financial accounting	3
PLANT SC 7000WT Advanced Recombinant DNA Techniques	1.5	WINEMKTG 7054WT Legal Issues in Wine Marketing	3
PLANT SC 7002WT Plant Nutrition for Productive Systems	1.5	WINEMKTG 7055WT Principles of Food and Wine Marketing	3
PLANT SC 7003WT Plant Tissue Culture and Transformation	1.5	WINEMKTG7056WT Internet Marketing and E-Commerce	3
PLANT SC 7004WT Mineral Nutrition of Plants	3	WINEMKTG 7057WT Food Marketing	3
PLANT SC 7005WT Principles of Breeding	3	WINEMKTG 7058WT International Marketing of Wine and Agricultural Products	3
PLANT SC 7006WT Agricultural Biotechnology	3	WINEMKTG 7059WT Strategic Marketing Management	3
PLANT SC 7007WT Genetic Technologies f or Plant Improvement S	3	WINEMKTG 7060WT Consumer Behavioural Analysis	3
PLANT SC 7009WT Molecular Markers in Plant Breeding	1.5	WINEMKTG 7061WT Strategic Business Management	3
PLANT SC 7010WT Crop Physiology III	3	WINEMKTG 7062W Microeconomic Principles	3
PLANT SC 7011WT Plant Breeding	3		
SOIL&WAT 7000WT Environmental Chemistry II NR	3	Research projects	
SOIL&WAT 7002WT Soil Management & Conservation	3	AGRIC 7000ARW/BRW Project D (ANR)	8
SOIL&WAT 7003WT Topics in Soil and Water	3	AGRIC 7000AWT/BWT Project D (ANR)	8
SOIL&WAT 7005WT Environmental Toxicology	3	AGRIC 7001ARW/BRW Project C (ANR)	6
SOIL&WAT 7006WT Soil Ecology	3	AGRIC 7001AWT/BWT Project C (ANR)	6
SOIL&WAT 7007WT GIS for Environmental Management	3	AGRIC 7002ARW/BRW Project E (ANR)	9
SOIL&WAT 7011WT Ecology and Management of Freshwater Systems	3	AGRIC 7002AWT/BWT Project E (ANR)	9
SOIL&WAT 7013WT Soil Fertility	3	AGRIC 7004ARW/BRW Project F (ANR)	12
SOIL&WAT 7019WT Spatial Information Systems	1.5	AGRIC 7004AWT/BWT Project F (ANR)	12
SOIL&WAT 7020WT Soil Water Management	3	AGRIC 7005ARWT/BRW Project A (ANR)	3
SOIL&WAT 7022WT Topics in Soil and Water B	3	AGRIC 7005AWT/BWT Project A (ANR)	3
SOIL&WAT 7023WT Topics in Soil and Water A	3	AGRIC 7008ARW/BRW Project G (ANR)	21
VITICULT 7002WT Viticultural Science	3	AGRIC 7008AWT/BWT Project G (ANR)	21
VITICULT 7007WT Viticultural Production A	3	AGRIC 7009ARW/BRW Project B (ANR)	4
VITICULT 7008WT Grape Industry Practice, Policy and Communication S	1.5	AGRIC 7009AWT/BWT Project B (ANR)	4
VITICULT 7023WT Viticultural Production B	3	AGRIC 7010RW/WT Project C (ANR) (One Semester)	6
VITICULT 7024WT Table & Drying Grape Production	1.5	AGRIC 7011RW/WT Project E (ANR)(One Semester)	9
WINEMKTG 7003WT Advertising and Promotion	3	AGRIC 7012RW/WT Project D (ANR) (One Semester)	6
WINEMKTG 7005WT Wine & Food Tourism & Festivals	3	AGRIC 7013RW/WT Project A (ANR) (One Semester)	3
WINEMKTG 7006WT Retail Management	3	AGRIC 7014RW/WT Project F (ANR)(One Semester)	12
WINEMKTG 7015WT Issues in Wine Business	3	AGRIC 7015RW/WT Project B (ANR) (One Semester)	4
WINEMKTG 7030WT Wine and Society	3		
WINEMKTG 7034WT Winery Business Management	3		

6.4 Candidates may include, within those courses presented to qualify for a coursework award, graduate level courses from outside the Graduate Course Pool subject to the approval of the Postgraduate Coursework Adviser and the Postgraduate Studies Committee.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

AGRIBUS 7009WT

Issues in Australian Agribusiness (9515)

3 units semester 2

2 lectures, 2 hours tutorials per week

prerequisite: 4932 Principles of Food and Wine Marketing

This course focuses on current issues relating to the food and fibre business in Australia. Of particular importance are interrelationships between the farm firm and the macro environment. Topics will include the role and functions

of agricultural producers, production and consumption decisions, institutions affecting decision-making in agriculture and the relevance of the political economy for changes in business environment facing Australian agricultural producers.

assessment: examinations 50%, assignments 50%

AGRIBUS 7012WT

International Agribusiness Environment (7912)

3 units 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 course 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; exchange rate policies.

assessment: exam 50%, assignments 50%

AGRIBUS 7031WT

Topics in Agricultural Business B (6492)

3 units semester 2

3 hours per week

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

The course will offer the opportunity to the student to cover a range of topics in Agricultural Business as it relates to the students

study program and the teaching and research interests of staff and visiting academics.

assessment: written assignments and oral presentations

AGRIBUS 7033WT

Research Methodology and Methods (6946)

3 units semester 1 or 2

3 hours seminars per week

This course 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 course 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

AGRIBUS 7041WT

Topics in Agricultural Business A (8409)

3 units semester 1

3 hours per week

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

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

assessment: written assignments and oral presentations

AGRIBUS 7044WT

Agricultural Business Management (9002)

3 units semester 1, multi-modal

3 hour seminar each week

The aim of this course 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

AGRIBUS 7046WT

Problems in Agricultural Business A (9105)

3 units semester 1

multi-modal

contact arranged with Head of Department

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

assessment: written assignments and oral presentations

AGRIBUS 7047WT

Problems in Agricultural Business B (9281)

3 units semester 2

multi-modal

contact arranged with Head of Department

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

assessment: written assignments and oral presentations

AGRIC 7003RW/WT

Seminars: Agricultural and Natural Resource Sciences (2665)

1 unit semester 1 or 2

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

prerequisite: 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 courses 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, discussion 30%

AGRIC 7007 RW/WT

Research Proposal (6043)

3 units 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

AGRONOMY 7000ARW/BRW

Rural Sociology (1058)

4 units full year

internal each year external even years only

3 hours per week

This course 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

AGRONOMY 7001RW

Agroforestry S (1341)

3 units semester 1

The focus of this course is the practical application of agroforestry in low and high rainfall environments in Australia. It also exposes students to agroforestry as it is practised elsewhere in the world.

Topics include: the management of trees/shrubs for timber, fodder and other products; agroforestry for the control of salinity and ground water, soil erosion, and habitat management; practical tree establishment, maintenance and harvest; ecological interactions in agroforestry systems; the effect of shelter on crop, pasture and animal productivity, planning agroforestry on the farm; modelling agroforestry systems; agroforestry research and development in Australia; agroforestry in developing countries.

assessment: to be advised

AGRONOMY 7003RW

Managing Agricultural Development (1788)

3 units semester 1

3 hour seminar per week

assumed knowledge: degree in Agriculture or equivalent

The course 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 nongovernment organisations, and participation at the community level.

assessment: as arranged by supervisor/lecturer

AGRONOMY 7004ARW/BRW

Advanced Agronomy (1822)

6 units 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 course concentrates on the understanding and development of complex interactions which occur in agronomic systems. Further, the course 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 course is undertaken with consideration of management decision making and information technology in agronomy.

assessment: literature reviews and associated assignments

AGRONOMY 7006RW

Social Psychology (2793)

4 units full year

3 hours per week

Introductory social psychology on 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

AGRONOMY 7008RW

Agroforestry Research Principles (4783)

3 units 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 course 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, assignments

AGRONOMY 7009RW

Measurement of Plant and Soil Water (4811)

3 units semester 1

Agronomic research uses a wide range of techniques to measure the water status in plants and soil. This course 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

AGRONOMY 7012ARW/BRW

Development of New Crops and Markets (6207)

6 units 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 industry and market structures along the process. This course begins with a market perspective of crop diversification. The influences of international influence, gene sources and potential new crops are covered. Seed development technology and developing new production systems, industry infrastructure, seeking processing and quality control are introduced in the second semester. Finally, new technology issues are studied. Students will also engage in focused projects on specific stages on the market development or production process, eg. 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

AGRONOMY 7013RW

Crops and Pastures G (6363)

4 units full year

external - odd years only

3 hours per week

assumed knowledge: degree in Agriculture

An advanced course 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

AGRONOMY 7016RW

Communications and Agricultural Extension (7518)

4 units 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, video tape programs and micro-teaching presentations are included in practical exercises.

assessment: assignments

AGRONOMY 7017WT

Viticultural Engineering and Operations (9630)

3 units semester 2

6 hours per week

prerequisite: 1242 Viticultural Science

Tractor performance and safety, engine characteristics, power transmission, traction, hydraulics. Trellis design and performance. Water storage performance. Principles and practices of vineyard operations including tractor and machinery operation, spray equipment calibration and spray application. Pruning, training, trellis erection and repair, propagation and other activities. Students are required to work in the campus vineyards. This course includes visits to commercial vineyards.

assessment: assignments, tutorials, practicals, written exams

AGRONOMY 7018RW

Agricultural Engineering (8597)

4 units full year

3 hours per week

The course 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

AGRONOMY 7019RW

Theories of Social Change for Developing Countries (9558)

3 units 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.

AGRONOMY 7020RW

Research Methodology (6495)

4 units semester 1

2 hours per week

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

This course 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: exam 45%, assignments 30%, tutorial exercises 15%, seminar 10%

AGRONOMY 7021RW

Irrigation Science (8013)

3 units semester 1

6 hours per week

prerequisite: 9100 Engineering Science, 2033 Engineering in Agriculture, 3810 Engineering Physics

Irrigation principles: evapotranspiration and soil moisture budget, crop requirements (peak rate and crop factor), adjustments for salinity (leaching fraction), sprinkler and dripper characteristics, sprinkler and dripper layout, hydraulics of pressure irrigation systems, irrigation scheduling, leveling, automatic controllers.

assessment: practicals, assignments, written exams

ANIML SC 7001RW

Intensive Livestock A (2729)

3 units semester 1 or 2

external mode only

This course develops or extends the students 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%

ANIML SC 7002RW

Animal Biotechnologies (9477)

3 units semester 2

2 lectures; four hour practical per week

assumed knowledge: 7583 Agricultural Biotechnology

This course aims to describe advanced concepts in biotechnology, including cell biology, molecular biology, protein engineering, microbiology and genetics, and to show how these technologies can be applied to the animal production industries. Topics include gene expression and control in animal cells, cell signalling and regulations, growth promotants and their function, genetic engineering in animals, synthetic vaccine development, DNA diagnostic technologies.

assessment: to be advised

ANIML SC 7003RW

Breeding and Genetics of Animals (3362)

1.5 units semester 1 or 2

See Department of Animal Science for details

ANIML SC 7004RW

Topics in Animal Science (4945)

3 units semester 1 or 2

26 lectures or equivalent; associated practical work

assumed knowledge: degree in Agricultural Science or Science

The course 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

ANIML SC 7007RW

Current Topics in Animal Diseases (5264)

3 units semester 1

2 lectures, 4 hours tutorials/practicals per week

prerequisite: degree in Biological Science

restriction: 8225 Animal Diseases and Control

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%, exam 50%

ANIML SC 7010RW

Extensive Livestock A (6632)

3 units semester 1 or 2

external mode only

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

This course 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.

ANIML SC 7011RW

Physiology of Farm Animals (8114)

3 units semester 2

6 hours per week

assumed knowledge: B.Ag. students - 9520 Biology A; 8420 Chemistry and Introductory Biochemistry A; B.Ag.Sc. students - 2448 Agricultural Zoology

This course deals with animal physiology: the tissues; physiology of the major systems including skeletal and muscular, circulatory, respiratory, digestive, excretory, nervous, endocrine, reproductive, environmental physiology.

assessment: to be advised

ANIML SC 7015RW

Animal Breeding Biotechnologies (7824)

3 units semester 2

6 hours per week or equivalent

assumed knowledge: 2448 Agricultural Zoology II and 6739 Physiology of Farm Animals or 5636 Nutrition, Breeding and Health

restriction: 4522 Reproductive Biology and Technology

Anatomy, physiology and endocrinology of the male and female reproductive systems. Gamete production, sexual behaviour, seasonal breeding, pregnancy, growth and development of the foetus, and lactation are discussed with an emphasis on agriculturally important species. The technologies of artificial insemination, in-vitro fertilisation and embryo transfer are introduced with hands-on practical experience. The use of reproductive and genetic technologies to maximise response to selection are examined for a range of livestock industries. This will include estimation of breeding values and the use of DNA markers to assist selection. There will also be a large emphasis on the design of breeding programs which includes definition of breeding objectives.

assessment: to be advised

ANIML SC 7016RW

Diseases and Nutrition of Livestock (8225)

3 units semester 2

6 hours per week

prerequisite: 5636 Nutrition Breeding and Health of Farm Animals

Diseases of farm animals caused by viral, bacterial, fungal and parasitic infections, and metabolic disturbances. Disease symptoms, the scientific basis of diagnosis and treatment. Interactions between nutrition and immune responses. Detection and treatment for deficiencies and toxicities. The metabolic roles of vitamins, minerals, amino acids, carbohydrates and fatty acids. Regulation of feed intake, diet selection and feed preference/palatability. Practical classes include a poultry nutrition trial, computer-based diet formulation, disease diagnosis techniques, case studies, and post-mortems of animals.

assessment: internal assessment - practicals, assignments, seminars 50%, theory exam 50%

ANIML SC 7019RW

Animal Welfare (9259)

3 units semester 1

external Mode only

The aim of this course 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 peoples minds, but to ensure that they have, or can find, the relevant information and have the required skills of analysis and integration. The course 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 course will comprise two major components, science and ethics are intermingled. In general, the course develops progressively from simple to complex ethical questions relating to animal welfare.

APP ECOL 7001RW

Ecology and Management of Rangelands (6139)

3 units part semester 2, part winter vacation

2 weeks in July or September, including a 10-day field camp (Middleback Field Centre)

assumed knowledge: 6254 Population Ecology, 2184 Community Ecology, or equivalent

A course in ecology emphasising the study of interactions between grazing animals and the vegetation in arid areas, the principles involved and their application to management practices. Particular attention is paid to the impact of domestic, feral and native herbivores on the population dynamics of the dominant woody perennials, and the maintenance of their stabilising influence on the landscape. The bulk of the teaching is done at Middleback, a working sheep station set in the western myall woodlands on the southern margins of the north-west pastoral district of South Australia. The main focus on ecology of these arid woodlands and their highly productive saltbush-bluebush understorey, is taught in the context of the history of land use, subsequent research, the ensuing legislation, and its administration, with input from pastoralists and government officers where appropriate.

assessment: project reports 40%, theory exam 60%

APP ECOL 7002WT

Insect Behaviour (8962)

3 units semester 2

odd years only

2 lectures, 4 hours of project work a week

prerequisite: 4078 Biology and Diversity of Insects (Biology of Insects) or equivalent approved by Head of Department

This course will take an evolutionary perspective on animal behaviour using insects as examples. Topics will include nervous coordinating mechanisms, genetics and development of behaviour, orientation and movement, behavioural ecology, mating and reproduction, communication, and social systems of insects.

assessment: written exam 60%, practicals, project, tutorials 40%

APP ECOL 7003WT

Plant Disease and the Environment (9028)

3 units semester 2

2 lectures, four hour practical per week

prerequisite: 3689 General Microbiology II (pre 1992: 5677 Agricultural Microbiology and Zoology) or equivalent approved by the Head of Department prior to enrolment.

An environmentally responsible approach to the control of plant disease, based on knowledge of the factors which influence disease development and the survival and dispersal of pathogens. Emphasis will be placed on the pathogen - host plant - vector - environment interaction, the nature of disease epidemics, biological control including cultural practices, genetic and induced host plant resistance and the use of antagonistic microorganisms.

assessment: final exam, practical books and assignments examined

APP ECOL 7004WT

Biology and Diversity of Insects (5088)

3 units semester 1

2 lectures, 4 hours practicals a week

prerequisite: 2448 Agricultural Zoology (pre 1992: 5677 Agricultural Microbiology and Zoology; pre 1989: 5114 Agricultural Zoology). Students without such qualification must obtain permission of the Head of Department before enrolling.

After a brief review covering the internal anatomy of insects and the processes involved in metamorphosis, excretion and reproduction, a number of specific topics will be explored in more detail, including: morphological and biological characteristics of the major insect orders; life histories of selected pest and beneficial species; sociality, caste formation and nest building in termites; sound production methods and functions; feeding mechanisms; adaptations and biology of vertebrate ectoparasites; insects as disease vectors of plants and animals; production and function of silk in insects and arachnids; mimicry and defensive adaptations; sociality and parasitism in the Hymenoptera.

The practical component will examine collecting techniques, identification of adult insects to family level, identification of immature stages and feeding damage. A requirement of the course is the presentation of a well-curated insect collection.

APP ECOL 7005WT

Biological Control (3285)

3 units semester 2

even years only

6 hours per week

prerequisite: 2448 Agricultural Zoology II or 8712 Agricultural Zoology (Invertebrates), and 3689 General Microbiology II, or 3472 Zoology II, or 1151 Microorganisms and Invertebrates; or equivalent courses approved by Head of Department of Applied and Molecular Ecology.

Theory and practice of biological control of insects and the use of insects as agents of biological control. Includes: theory of population dynamics; classical biological control of insects, weeds and dung; augmentation of natural enemies; use of pathogens and parasites to control insects.

assessment: reports, assignments 50%, exam 50%

APP ECOL 7006RW

Integrated Pest Management (9444)

3 units semester 1

2 lectures; four/five hour of practical per week

This course provides an introduction to the theory and practice of pest management. Topics considered are: the development, regulation and use of pesticides; strategies and tactics for managing pests (biological, cultural, genetic and chemical control); integrated pest management; economics of pest management; the diagnosis of disease; strategies and tactics for managing disease outbreaks; integrated weed management.

assessment: exam 50%, practical exercises and assignments 50%

APP ECOL 7008WT

Pathogen-Plant Interactions (3569)

3 units semester 1

2 lectures, four hour practical per week

prerequisite: 3689 General Microbiology II (pre 1992: 5677 Agricultural Microbiology and Zoology) or equivalent

This course focuses on the biology of plant pathogenic fungi, nematodes, bacteria and viruses with emphasis on interactions with hosts, the nature of disease and diagnosis. It provides biological information required for devising disease control strategies and complements 9028 Plant Disease and the Environment S. Physiological, biochemical, genetic and molecular properties of pathogens will be discussed. Aspects of plant pathogen systems will include host physiology, disease development, resistance and molecular plant-microbe interactions.

assessment: practical reports 25% and written exam 75%

APP ECOL 7009WT
Molecular Tools for Diagnosis of Plant Pathogens (6627)

1.5 units beginning of semester 1

35 hours comprising lectures and practicals over 5 days quota of 20

prerequisite: 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

APP ECOL 7010WT
Topics in Crop Protection (6826)

3 units semester 2

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

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

The course 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

APP ECOL 7012RW
Fauna Management (5325)

3 units semester 2

3 lectures, 1 tutorial per week

assumed knowledge: 6254 Population Ecology, 4217 Plant and Animal Adaptations or equivalents

The course deals with the management of captive and wild populations. Topics covered include: the reasons for management; conflicts between man and wildlife; the philosophical rationale for maintaining captive collections; management of diseases; development of ecologically based management strategies for the purpose of conservation, commercial harvesting and pest control; management of captive collections; legal and administrative framework

assessment: theory 60%, practicals/assignments 40%

APP ECOL 7013WT
Fungal Biology (5715)

3 units semester 1

Even years only

2 lectures, 4 hours of practical/tutorial per week

prerequisite: 3689 General Microbiology II (pre 1992: 5677 Agricultural Microbiology and Zoology) or equivalent approved by the Head of Department prior to enrolment.

Aspects of the biology of fungi, including classification, biodiversity, ecology, physiology, genetics and molecular biology, will be covered. Emphasis will be placed on fungi that are pathogens of economically important crops. Fungi of importance in natural ecosystems, industry, biotechnology and medicine will also be considered.

assessment: exam, fungal collection and practical books examined

APP ECOL 7014AWT/BWT
Integrated Weed Management (4257)

3 units full year

Modules at students pace, with two day residency for practicals in first mid-semester break

The impact of weeds on agricultural and natural ecosystems. Important characteristics of weed biology. Ecology of weeds. Methods of sampling and monitoring weed infestations. Biological, cultural and chemical methods for weed management. Integrating management techniques for weeds in a range of ecosystems, including: cropping enterprises, perennial pastures, national parks and recreation areas and horticultural systems.

assessment: five assignments during the year

APP ECOL 7015RW
Conservation Biology (3741)

3 units semester 2

2 weeks in mid-semester break including a field camp

assumed knowledge: 6254 Population Ecology, 2184 Community Ecology; 6976 Biomathematics and Statistics or equivalent

This course 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 and animal interactions, habitat management, endangered species management, population viability analysis, reserve design in theory and practice, fragmentation. The politics, legislation and economics of conservation issues like endangered species and regional biodiversity management planning.

assessment: theory 60%, practicals/assignments 40%

APP ECOL 7016RW
Indigenous Australians and Environmental Management (8632)

3 units semester 1

5 hours per week (includes vacation field camp)

quota will apply

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 organisations in environmental management.

assessment: practicals/assignments

APP ECOL 7017WT
Insect Pathology (9351)

1.5 units semester break (July)

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

This course is designed to introduce participants to the basic principles and techniques of insect pathology. Each day of the course will be devoted to background information and practical training of an entomopathogenic group. The topics to be covered in the lectures are: consideration of the principles of general insect pathology, biology of major entomopathogenic viruses, bacteria, nematodes, fungi and protozoans including pathology, diagnosis and epizootiology, application of insect pathogens in microbial control (including formulation and field application) and insect pathogens and biotechnology. The techniques taught are laboratory procedures of the diagnosis of major insect pathogens using morphological and biochemical approaches, bioassay and analysis of data using computer programs, and maintenance of insect cell cultures and their use in insect virology.

assessment: to be advised

BIOMET 7000WT
Research Methodology and Experimentation (7046)

3 units semester 1 or midyear break

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

prerequisite: degree in Agricultural Science or Science

assumed knowledge: first program in Biometry or Introductory Statistics

The Statistical Package GENSTAT 5 for Windows is introduced and utilised extensively throughout the course. 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 course 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, final written exam

BIOMET 7001WT
Advanced Biometry (4091)

3 units semester 2

even years only

3 lectures, two hour tutorial per week

prerequisite: 5286 Agricultural Experimentation.

A selection of topics from the following: fractional replication; confounding; incomplete block designs; spatial analysis of large field trials; components of variance models; genotype x environment analysis (joint regression analysis and cluster analysis); multivariate analysis (principal components, factor analysis, Hotellings T2 and the linear discriminant function); harmonic regression and transformations; design and analysis of repeat measures data; non-linear regression; epidemiological methods (logistic regression). As well as GENSTAT 5 for Windows, the statistical packages SAS, REML and S-PLUS may be utilised.

assessment: individual assignment 30%, class exercises 10%, final exam 60%

CHEM ENG 7010WT
Winery Engineering III (5059)

3 units semester 1

2 lectures, 1 tutorial, 3 hours practical/project exercises per week

prerequisite: 9100 Engineering Science or 3810 Engineering Physics

Process calculations (mass and energy balances), process utilities (refrigeration, process heating and cooling), steam systems, electrical power systems, heat transfer and heat exchangers, must, juice and wine transfer methods, centrifugation and filtration, process control and instrumentation.

assessment: final exam, tutorials, project work, laboratory reports.

GISC 5001

Advanced Raster Analysis (2445)

3 units semester 2

10 hours lectures, 30 hours practicals, 20 hours to be advised

prerequisite: Spatial Data Modelling and Analysis or equivalent

The course assumes a basic knowledge of remote sensing principles and image processing, and covers more specialised and advanced forms of earth imaging data and advanced image analysis. These include hyperspectral imagery: current systems, nature of the imagery, methods of analysis and interpretation; radar, theory and operation of radar systems, interpretation and processing of radar imagery, thermal imagery: black body radiation, emissivity, relationship to temperature, acquiring and interpreting thermal imagery. Practicals include radiometric correction of imagery, examination and interpretation of spectral libraries, mapping sub-pixel components - theory and application to multispectral and hyperspectral imagery: spectral mixture analysis, spectral angle mapping and spectral feature fitting, characteristics, analysis and interpretation of radar imagery, fusion of optical and radar imagery.

assessment: practical reports

GISC 5013

Spatial Data Modelling and Analysis (5107)

3 units semester 1

10 hours lectures, 30 hours practicals, 20 hours to be advised

prerequisite: Introduction to Spatial Information Systems or equivalent

The course provides an introduction to remotely sensed data as a source of information for environmental analysis and monitoring. Topics include overview of key concepts and models in remote sensing, principles of electromagnetic radiation in relation to remote sensing systems, spectral characteristics of common earth surface materials, spatial, spectral and temporal resolution of different image sources in relation to surface features, radiometric correction and enhancement of digital image data, classification of raster image data: supervised and unsupervised techniques, geometric rectification of image data, case studies in the application of remote sensing. Practical exercises covering aspects of image display, enhancement and analysis will be conducted using current image processing software.

assessment: essay 20%, minor practical assignments 20%, practical project 30%, examination 30%

HORTICUL 7000WT

Horticultural Production (4600)

3 units semester 2

even years only

2 lectures, 4 hours practicals a week (practicals may be replaced by tour)

prerequisite: 7312 Chemistry 1ANR or 8637 Biochemistry and Plant Science A

The application of scientific principles to the production of horticultural crops. The basis of decisions regarding the choice of the type of enterprise, including both open and protected cropping. Establishment of orchards, and the concept of alternative horticulture. Training and trellising methods, pruning and shaping, and control of pests and diseases. Root growth of crops, in relation to soil management, irrigation and drainage. Floral initiation and development, pollination requirements of crops, fruit set and growth, fruit thinning and biennial bearing. The course normally includes visits to horticultural enterprises.

assessment: exam 70%, assignments 30%

HORTICUL 7027WT

Horticultural Science (4539)

3 units semester 1

2 lectures; 4 hours practicals or equivalent per week

prerequisite: 7312 Chemistry 1ANR or 8420 Chemistry and Introductory Biochemistry A or equivalent

The scientific principles underlying horticultural production including classification of horticultural crops, aspects of plant growth in relation to environmental and management factors. The basis of horticultural plant growth cycles, organic nutrition, growth regulation and the accumulation of reserves. Methods of vegetative and sexual propagation, and the use of rootstocks, plant improvement and cultivar development. The course covers fruit, flower and vegetable crops of both temperate and tropical climates, and normally includes visits to horticultural enterprises.

assessment: exam 60%, assignments 40%

HORTICUL 7029WT

Vegetable Crops (5225)

3 units semester 1

odd years only

2 lectures, 4 hour practical per week

prerequisite: 9339 Agricultural Botany or 3673 Botany II

Vegetable crops are categorised according to commercially important families. Topics include primary and secondary centres of diversification, history of domestication, important genes for quality and breeding, Australian production, properties of new varieties. Practicals and visits to horticultural enterprises are included., species identification, propagation, growing conditions, genetic improvement, properties of new varieties and storage. Practicals and visits to horticultural enterprises are included.

assessment: exam 75%, assignments 25%

HORTICUL 7032WT**Fruit and Nut Crops (7194)**

3 units semester 2

odd years only

2 lectures, 4 hour practical per week

prerequisite: 6553 Biological Chemistry, 3673 Botany II or 8420 Chemistry and Introductory Biochemistry A

This course examines production aspects of common fruit and nut crops including limits to production and characteristic requirements for cultivars, management, irrigation, integrated pest and disease management, harvesting and marketing. Crops normally considered include citrus, vines, pome, berry, stone fruits, nut crops and the main tropical fruits. Students are normally required to participate in field visits to horticultural crop enterprises.

assessment: exam 60%, assignments 40%**HORTICUL 7043WT****Postharvest Horticulture (1986)**

3 units semester 2

odd years only

2 lectures, 4 hours practicals or equivalent per week

prerequisite: 9339 Agricultural Botany or 3673 Botany II or 7020 Horticultural Systems

Interaction of the production and postharvest phases of horticulture. The physiological and morphological basis for successful postharvest handling of fruit and vegetables including fruit maturity, ripening and metabolism. Response of horticultural crops to temperature, water, gas and injury stress in the postharvest phase. Postharvest handling technology based on these responses. Processing and marketing of harvested fruit and vegetables. The course normally includes visits to horticultural enterprises.

assessment: exam 60%, assignments 40%**HORTICUL 7050WT****Ornamental Horticulture (5867)**

3 units semester 2

Even years only

2 lectures, 4 hour practical per week

prerequisite: 9339 Agricultural Botany or 3673 Botany II or 7020 Horticultural Systems

The nursery industry, cut flower and pot plant production and amenity use of plants. Principles of production and management of ornamental crops including characteristic requirements for propagation, breeding, management, irrigation, hydroponics, pest and disease control, harvesting and marketing will be considered for major crops including rose, carnation and Australian native plants. The course will normally include visits to appropriate horticultural enterprises.

assessment: exam 50%, assignments 50%**HORTICUL 7052WT****Olive Production and Marketing (9302)**

3 units mid-year break

This course examines production aspects of olive oil and pickling fruit. Characteristic requirements regarding cultivar selection, climate, soils and location; growing practices plus management of irrigation, pest and diseases; development budget financial planning; harvesting and oil quality assessment; marketing of olives including market evaluation, market plan development in product, pricing, distribution and marketplace decisions. Students are required to participate in field visits to growing/marketing enterprises as arranged.

assessment: exams 70%, practical reports 30%**OENOLOGY 7002WT****Vineyard and Winery Operations I (5180)**

3 units semester 2

External only. 5-day residential school

prerequisite: 8901 Introductory Grape and Wine Knowledge

Climatic requirements for viticulture, vineyard design, establishment and operations including pruning, irrigation, canopy management, soil management and pest and disease management. Characteristics of major white wine grape varieties. Principles and practices of white and sparkling wine production. Major white wine styles of the world. Oak in winemaking, oak production and cooperage.

Practical sessions relate to lecture topics and will include tasting sessions.

assessment: mid-semester and end-of-semester written exams, practical tests**OENOLOGY 7003WT****Vineyard and Winery Operations II (9607)**

3 units semester 1

external mode

5-day residential school

prerequisite: 8901 Introductory Grape and Wine Knowledge

Characteristics of major red wine grape varieties; principles and practices of red wine production; major red wine styles of the world; techniques for grapevine improvement and biotechnology, as applied to the wine industry, wine packaging, bottling operations and quality standards; sensory science. Practical sessions relate to lecture topics and will include tasting sessions.

assessment: mid-semester and end-of-semester written exams, practical tests and reports

OENOLOGY 7004WT

Wine Packaging and Quality Management (9701)

3 units semester 2

2 lectures, 4 hours practicals/field trips per week

prerequisite: 2580 Stabilisation and Clarification.

Science and technology of bottling and packaging systems including chemical and physical properties of packaging materials, principles of filling machinery, design and process control of wine filling/packaging systems.

Wine and food laws and commercial forces as quality standards. Taints and residues in grapes and wine as quality issues.

Approaches and systems of quality management using the wine industry as a focus, including the development of corporate quality cultures, standards and specifications, measurement for quality assurance, process and performance analysis methods, quality accreditation. Visits will be made to commercial plants.

assessment: practicals, reports, written assignments, written exams

OENOLOGY 7010WT

Stabilisation and Clarification (4477)

3 units semester 1

2 lectures, 4 hours practicals a week

prerequisite: 5896 Introductory Winemaking

Principles and practices of wine clarification and stabilisation. Protein, tartrate, metal, colour oxidative, and microbiological stability and stability testing of wine. Wine clarification by means of settling, centrifugation, filtration and fining.

assessment: practicals, reports, written assignments, exam

OENOLOGY 7013WT

Winemaking (1005)

3 units semester 1

6 hours per week (or equiv..) commencing second week of February

prerequisite: 5896 Introductory Winemaking.

corequisite: 4880 Cellar Management, 2580 Stabilisation and Clarification

Major table winemaking projects will be utilised to integrate wine technology with practical strategies to achieve wine quality targets.

assessment: written exam, wine reports

OENOLOGY 7019WT

Sensory Studies (6694)

3 units semester 2

contact hours to be advised

Sensory evaluation and its relationship to the winemaking process, physiology of olfaction, taste and the oral mucosa, salivary

composition, perception of sweetness, acidity, bitterness and astringency, sensory measurement theory, psychophysics, aroma and taste interactions, threshold measurement, psychological and physiological factors affecting perception, adaptation, elements of good sensory practice including data collection and statistical analysis. The practical program will be used to illustrate concepts presented in lectures and to develop basic skills in sensory assessment of wines leading to the interpretation of wine characteristics in terms of wine style and quality.

assessment: practical reports, tasting exam written exam

OENOLOGY 7022WT

Cellar Management (5370)

1.5 units semester 1

2 lectures; 4 hours practicals per week for 6 weeks

prerequisite: 5896 Introductory Winemaking

Cellar hygiene, wine spoilage by micro-organisms, microbial control, basic quality control, vintage planning, winery record keeping and practical winery management.

assessment: exams, written assignments

OENOLOGY 7028WT

Introductory Winemaking (7968)

3 units semester 2

2 lectures, 4 hours practicals a week

Introduction to the Australian wine industry. Chemistry and unit processes of winemaking. Production of table wines, including dry floral fruity white, full bodied white, sweet white, rose, medium and full bodied red and sparkling wines.

assessment: practical reports, written assignments, written exam

OENOLOGY 7038WT

Distillation and Fortified Winemaking (6864)

1.5 units second half of semester 1

2 lectures, 4 hours practicals per week for 7 weeks

prerequisite: 5896 Introductory Winemaking

Distillation principles and wine distillation practices. Production and maturation of Australian and overseas grape spirits for fortification and brandy production. Legal requirements. Sensory evaluation of fortifying and brandy spirits. Composition and production of Australian and overseas fortified and liqueur wine styles.

assessment: practical reports, assignments, written exam

OENOLOGY 7040WT

Sensory Evaluation of Foods (2491)

3 units semester 2

2 lectures, 1 practical per week

The role of sensory evaluation in marketing of food and beverages, physiological and psychological factors affecting sensory perception, relationships between sensory properties and product acceptability, measurement of sensory perception, design and conduct of sensory evaluation experiments, difference testing, preference testing, panel selection procedures, taste and aroma profiling, texture profiling, shelf life determination, sensory quality control, product development and optimisation, strategies for developing sensory evaluation programs. A range of food and beverage products will be assessed using the techniques and principles present in the lecture program.

assessment: to be advised

OENOLOGY 7045WT

Industry Experience (Oenology) (7032)

4.5 units summer vacation, semester 1

10 weeks work experience

prerequisite: 3113 Winemaking

This course is largely practically orientated, based on work experience at a commercial winery during vintage. A specified level of proficiency in the following operations is expected: grape receive and weighbridge; crushing; draining and pressing; fermentation and postfermentation operations and quality control procedures. Furthermore, an understanding of the contribution of each of the specified unit operations to the overall winemaking process is required.

assessment: written diary and written report

OENOLOGY 7048WT

Advances in Oenology (9086)

3 units semester 2

2 lectures per week; practical sessions, industry visits equivalent of 4 hours per week

prerequisite: 5896 Introductory Winemaking

Current research and practices in oenology. Particular emphasis will be placed on grape and wine phenolics and flavour compounds; methods of analysis in wine science; yeast biochemistry including nutrition, sugar transport, nitrogen and organic acid metabolism, ethanol toxicity, sulphur dioxide production and tolerance, yeast aroma compounds; the malolactic fermentation - biochemical and molecular approaches. Wine industry visits will focus on modern practices and recent developments to increase production efficiencies and wine quality.

assessment: two written exams, reports on practical exercises and industry visits

PLANT SC 7000WT

Advanced Recombinant DNA Techniques (1086)

1.5 units one week in semester 2

40 hours

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

This course 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

PLANT SC 7002WT

Plant Nutrition for Productive Systems (2724)

1.5 units semester 2 break

10 lectures, 5 tutorials, 5 hour field trip, 20 hours laboratory, glasshouse, library work - over one week

restriction: 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

PLANT SC 7003WT

Plant Tissue Culture and Transformation (3010)

1.5 units semester break (July)

8 hours a day for 5 days

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

This course 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%

PLANT SC 7004WT

Mineral Nutrition of Plants (9110)

3 units semester 1

2 lectures, 4 hours practicals a week

prerequisite: one of 1692 Botany IIA or 9339 Agricultural Botany or 9529 Biology A, and one of 7312 Chemistry 1ANR or 6878 Chemistry I or 8420 Chemistry and Introductory Biochemistry A

An advanced course which takes its brief from the acute deficiency in minerals of most South Australian soils, and the pre-eminent role of nutrition in successful agricultural production in this State.

Topics are discussed in a context of both agricultural and horticultural industries, and include factors affecting nutrient acquisition by roots, diagnosis and correction of macro and micronutrient problems, fertiliser strategies, nutritional effects on produce quality, including nutritional quality, nutrition and disease resistance, genetic control of adaptation to nutrient limitations in soils, the role of symbiotic dinitrogen fixation, nutritional aspects of nitrogen fixation. A practical component supplements the lectures by providing hands on experience of the important issues.

assessment: exam 60%, practical reports 30%, reviews, essays 10%

PLANT SC 7005WT

Principles of Breeding (8497)

3 units semester 1

2 lectures, 4 hours of practicals a week

prerequisite: 5178 Basic Genetics or 4863 Genetics II

restriction: 5501 Principles of Plant Breeding

The process of deliberate selection and improvement of animals and plants is integral to the development of civilisation. This course introduces the fundamental concepts of breeding: genetic diversity and modes of inheritance; strategies for setting objectives and maximising selection and improvement of key traits; breeding methodologies for self or cross pollinated plants and animals, and perennials.

assessment: practicals 25%, essay 25%, exam 50%

PLANT SC 7006WT

Agricultural Biotechnology (1042)

3 units Not offered in 2002

prerequisite: 6553 Biological Chemistry

2 lectures, 4 hours of practicals a week

Biotechnology offers methods for producing exciting new products for agriculture, new ways of controlling pests and diseases and sophisticated diagnostic tools for selection and breeding. This

course is designed to provide students with an opportunity to understand the basic principles, practices and applications of new biotechnological approaches being used to improve agriculture. You will learn some of the modern techniques in plant and animal cell culture, monoclonal antibody production, role of microbes in toxin degradation, use of recombinant DNA methods to express foreign proteins in micro-organisms and obtain an introduction to advanced procedures used in genetic manipulations of plants and animals. You will also gain an appreciation of the benefits, scientific limitations and ethical issues associated with these modern bio-techniques.

assessment: to be advised at first lecture

PLANT SC 7007WT

Genetic Technologies for Plant Improvement (5698)

3 units semester 2

See Department of Plant Science for Syllabus entry

PLANT SC 7009WT

Molecular Markers in Plant Breeding (9503)

1.5 units one week in semester 1

40 hours

assumed knowledge: degree in Agricultural Science or Science

The aim of this course 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

PLANT SC 7010WT

Crop Physiology III (4726)

3 units semester 2

even years only

2 lectures, 4 hours practicals a week

prerequisite: 9339 Agricultural Botany or 1028 Principles of Sustainable Agriculture

The development of appropriate management techniques and adapted cultivars of crop and pasture plants requires knowledge of the environmental constraints to growth and yield and of how plants respond to environmental stresses. Crop physiology is a course that examines the interaction between crops in the field and their environment. Discussions will concentrate on the crop and pasture canopy as the unit of organisation and the course will

analyse how productivity is affected by the field environment and the genetic and managerial means by which the adverse effects of environmental stress can be reduced and yield improved. The physiological basis for these practices will be stressed. Topics include solar radiation and crop production, water use by crops and water use efficiency, dry matter production and partitioning, cereal and legume physiology, nitrogen fixation, the use of physiological characteristics in plant breeding, and case studies of important grain crops.

assessment: to be advised

PLANT SC 7011WT **Plant Breeding (1578)**

3 units semester 2

2 lectures, 4 hours of practicals a week

prerequisite: 4507 Principles of Breeding

restriction: 8593 Advanced Plant Breeding

This course explores core methodologies for plant breeding, drawing on the latest scientific and biometric advances. Theory of and experience with the primary plant breeding objectives of quality and resistance to diseases and pests will be emphasised, as will understanding of the use of genetic maps and establishment of a database. Site visits will provide additional dimension to the understanding of a breeding program.

assessment: practicals 25%, mid-semester exam 10%, essay 15%, final exam 50%

SOIL&WAT 7000WT **Environmental Chemistry IINR (7816)**

4 units semester 1

3 lectures, 1 tutorial, 6 hours of practical work per week

prerequisite: 6878 Chemistry 1 or 7312 Chemistry IANR

restriction: 1699 Environmental Chemistry III (NR)

The course aims to establish a sound understanding of the chemical nature of the biosphere and the natural and human induced chemical variations in local and global environments. The atmospheric, terrestrial, riverine and oceanic chemical compositions and their interactions to produce climate and other environmental variations are examined. The natural chemical cycles of major environmental importance, such as those of carbon, nitrogen, oxygen-ozone phosphorus and sulfur, are examined. The chemical environmental impact of human activities such as farming, mining and other industries, will be examined in both general terms and through case studies. Analytical chemistry, spectroscopy and statistical analysis will be included as integral parts of the course. Teaching will be through lectures and laboratory classes which may include some field study.

assessment: to be advised

SOIL&WAT 7002WT

Soil Management and Conservation (4366)

3 units semester 1 Waite

2 lectures, 4 hours practical work or equivalent per week

prerequisite: 5681 Soil Resources or 3283 Soils or an acceptable equivalent

This course covers topics important to students of agriculture, horticulture, environmental science and natural resource management. Degradative processes which pose the greatest threats to the soil resources of Australia are examined and their avoidance, management and amelioration are discussed. These processes include: erosion of soil by water and wind, water repellence, irrigation and dryland salinity, induced soil acidity, soil structure decline and sodicity. Other issues addressed are soil conservation legislation and land capability. Practical work will consist of laboratory exercises, field excursions and other exercises related to the above topics.

assessment: exam, practical reports, other assignments

SOIL&WAT 7003WT

Topics in Soil and Water (2379)

3 units semester 1 or 2

24 lectures or equivalent; associated practical work

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

This course 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

SOIL&WAT 7005WT

Environmental Toxicology (1984)

3 units summer semester

10 days during the summer vacation

prerequisite: 7151 Chemistry IHA or equivalent

The goals of this course are to provide students with an understanding of the fate, consequences and assessment of toxicants in environmental and biological systems. Classes of environmental toxicants discussed include pesticides, air and water pollutants, food-borne toxicants and heavy metals. The properties of toxic chemicals which influence their distribution and transformations and the action of environmental forces which affect toxicant breakdown and accumulation are discussed. Students are introduced to the principles of toxicology necessary for an understanding of the environmental consequences of toxicants.

assessment: theory, practicals/assignments

SOIL&WAT 7006WT

Soil Ecology (2282)

3 units semester 1

2 lectures, 4 hours practical work or equivalent per week

prerequisite: 3174 Biology I and one of 3689 Agricultural Microbiology II or 5681 Soil Resources II or 3283 Soils or equivalent

The course provides an appreciation of the interactions among plants, microorganisms and animals in the soil. The roles played by organisms in the decomposition of organic materials and availability of nutrients. The biology of the rhizosphere and its relations with the chemical and physical properties of soil mycorrhizas and their effects on plant productivity and plant communities. Soil food webs and transfer of contaminants from soil through food chains.

Practical work will consist of laboratory exercises and other assignments related to the above topics.

assessment: exam, essay, practical work, other assignments

SOIL&WAT 7007WT

GIS for Environmental Management (8583)

3 units summer semester

10 days during the summer vacation

The course deals with concepts and theory of geographic information systems and their use for environmental mapping, spatial modelling and analysis. Topics covered include the relationship of GIS models to real world perception and map representation, vector and raster systems; spatial modelling; translation of problems into GIS procedures; attribute manipulation and recoding, operations including arithmetic and Boolean overlay, reclassification, proximity and neighbourhood analyses; input of data to GIS; database structures; interpolation of surfaces from point and vector data; applications and case studies. Practical work uses PC-based software to teach basic skills in GIS data entry, analysis and output, emphasising a problem-solving approach through environmental and agricultural GIS case studies.

assessment: practical exercises, case study and written exam

SOIL&WAT 7011WT

Ecology and Management of Freshwater Systems (3089)

3 units semester 1

2 lectures, 4 hours laboratory & field practicals per week

assumed knowledge: 4642 Ecology EBII or 6254 Population Ecology

The course provides theoretical understanding and practical implications of the ecology and restoration of freshwater lakes, wetlands and streams. Practicals and a field camp will be conducted in order to provide skills for the monitoring, modelling and management of drinking water reservoirs, urban and floodplain wetlands.

The detailed schedule, lecture program and practical topics can be found at:

http://www.waite.adelaide.edu.au/Soil_Water/Friedrich/FreshWater2000.html

assessment: literature essay and to pass with 60%

SOIL&WAT 7013WT

Soil Fertility (5026)

3 units semester 2

2 lectures, 4 hours practical work (or equiv.) a week

prerequisite: 5681 Soil Resources or a credit in 3283 Soils, or an acceptable equivalent

The course provides an understanding of processes in the soil which influence the availability to plants of nutrients in soil and in added fertilisers. The occurrence and reactions of nutrient elements in the soil. Effects of acidity, alkalinity and redox potential. Ion movement in soils and the relationship between root growth and nutrient availability. Principles of fertiliser application; reactions of fertilisers with the soil and the efficiency of fertiliser use by plants. Chemical contamination of soils, remediation.

Practical work will consist of laboratory exercises related to the above topics.

assessment: exam, essay, practical, other assignments

SOIL&WAT 7019WT

Spatial Information Systems (8588)

1.5 units part semester 2

1 week intensive course

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

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

This course 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

SOIL&WAT 7020WT

Soil Water Management (8898)

3 units semester 2

2 lectures, 4 hours practical work (or equivalent) a week.

prerequisite: 5681 Soil Resources or an acceptable equivalent

This course covers the theory and practice of measuring and managing soil water using commercially available technology. Topics include soil water content and potential, water availability to plants, water movement in unsaturated and saturated soils, soil structure and salt-affected soils. Computers will be used to model infiltration,

storage and movement of soil water, and to solve problems. Practical classes will demonstrate important techniques in soil survey for managing soil water in dryland and irrigated situations.

assessment: exam, tutorial, practical reports, assignments

SOIL&WAT 7022WT

Topics in Soil and Water B (9508)

1.5 units semester 1 or 2

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

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

This course 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.

SOIL&WAT 7023WT

Topics in Soil and Water A (9822)

3 units full year

24 lectures or equivalent; associated practical work

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

This course 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

VITICULT 7002WT

Viticultural Science (7104)

3 units semester 1

2 lectures per week, 4 hour practical sessions; practical classes are held at the Waite Campus for a full week in the week prior to start of semester 1 and during the semester

Growth and development of the grapevine with particular emphasis on flowering and fruiting. Floral initiation in relation to environmental control and vegetative growth. Fruit development and ripening, and chemical composition of the grape berry. The morphological and agronomic characteristics of fruiting varieties and rootstocks and their relationship with end-use. Vineyard sampling and yield estimation.

assessment: written exam, practical exam, practical reports, assignments.

VITICULT 7007WT

Viticultural Production A (7536)

3 units semester 2

even years only

3 lectures, three hour practical per week - some lectures are replaced by tutorials

prerequisite: 1242 Viticultural Science

Principles behind the establishment of a viticultural enterprise comprising site selection, choice of planting material and the design and establishment of the vineyard. Trellising design, pruning principles, practices and mechanisation, and crop harvesting. The relationship between production aspects and the physiology of the vine including phenology and shoot development, effect of node position on fruitfulness, interaction with climate response to pruning, trellising and canopy management. The course includes visits to commercial vineyards.

assessment: exam, assignments, practical reports

VITICULT 7008WT

Grape Industry, Practice, Policy and Communication (2746)

1.5 units second half of semester 1

7 hours lectures/seminars/tastings per week

prerequisite: Oenology students - 3113 Winemaking; Viticultural Science students - 2174 Viticultural Production A or 5153 Viticultural Production B

The aims of the course are the development of a mature understanding of wine in society, the refinement of students abilities in written and spoken communication and the provision of a forum for the exchange of information between students and wine industry professionals. Invited speakers explore important issues including occupational health and safety, alcohol awareness and current practices in Australia and the world. Emphasis is placed on student participation in questions, discussions and sensory sessions.

assessment: written assignments, seminar participation and presentation

VITICULT 7023WT

Viticultural Production B (2195)

3 units semester 2

odd years only

3 lectures, three hour practical per week - some lectures are replaced by tutorials

prerequisite: 1242 Viticultural Science

The management aspects of the vineyard including pests and diseases of grapevines, their recognition and control, and principles of plant protection, particularly spray application technology. Soil management comprising weed control, plant nutrition and tissue

analysis. The response of the grapevine to irrigation and salinity including plant and soil moisture determination and irrigation scheduling. Use of growth regulators and propagation. Application of biotechnology to Viticulture. The course includes visits to commercial vineyards and service companies.

assessment: assignments, exam, practical report

VITICULT 7024WT

Table and Drying Grape Production (5684)

1.5 units orientation week

first half of semester 1

6 hours per week including field trips

prerequisite: 1242 Viticultural Science or 5882 Horticultural Science

Table grape production: varieties; genetic improvement; vineyard design; techniques to improve table grape quality particularly crop load adjustment and growth regulators; harvesting and handling including maturity standards, harvest methods, packing, postharvest handling, marketing. Dried grape production: climatic requirements, principles of grape drying; treatments to enhance drying; dried grape product types; preparation for harvest; harvesting and handling of fresh grapes for drying and trellis dried fruit; finish drying and dehydration; classing, processing and marketing.

assessment: assignments 30%, written exam 70%

WINEMKTG 7003WT

Advertising and Promotion (8424)

3 units semester 1

external or internal - 2 lectures, 1 tutorial per week

prerequisite: 4932 Principles of Food and Wine Marketing

This course will provide the student with an overview of the Integrated Marketing Communications process. Students will learn to manage the formal communications process in the context of wine and agricultural businesses. Attention will be paid to developing communication plans and understanding strategic applications of advertising, sales promotion and public relations tools. Students should expect to gain knowledge of communications theory as well as practical application through study of texts and real world cases.

assessment: exam 50%, assignments 50%

WINEMKTG 7005WT

Wine and Food Tourism and Festivals (2001)

3 units semester 2

external only

prerequisite: 4932 Principles of Food and Wine Marketing

The course explores the basics of tourism and the structure of the industry. It furthermore addresses the basics of wine tourism and hospitality, and wine and food festivals in the broad context of tourism and hospitality, and wine tourism as a means to build a

brand image for the winery and/or wine region. Specific focus areas include wine tourism and related consumer behaviour, winery cellar-door distribution/marketing, wine routes and wine region brand building, and wine and/or food festival event fundamentals and management.

assessment: to be advised

WINEMKTG 7006WT

Retail Management (8422)

3 units semester 2

external or internal - 2 lectures, 1 tutorial per week

prerequisite: 4932 Principles of Food and Wine Marketing

This course focuses on the principles of establishing and managing a retail concern. It will expose the student to the theoretical and practical aspects of selling and retail practices. Some of the areas this course will cover include: distribution and information systems, selling and marketing technology and trends, retail and wholesale operations, negotiation skills. The course can involve some fieldwork, guest lectures and practical case studies.

assessment: to be advised

WINEMKTG 7015WT

Issues in Wine Business (2820)

3 units semester 2

3 hours of seminars per week

prerequisite: 4932 Principles of Food and Wine Marketing and consent of program coordinator

This course will offer the opportunity to the students to cover a range of topics in Wine Business as it relates to the student's study program interests and the teaching and research interests of staff and visiting academics. A combination of industry, academic and student prepared seminars will be used.

WINEMKTG 7030WT

Wine and Society (6319)

3 units semester 1

external or internal - 2 hours lectures, 1 tutorial per week

The student will be exposed to studies that cover the history and future of the Australian Wine Grape growing industry, this is compared with and presented in the wider context of European and other New World wine industries. 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, and examination of wine and other forms of alcohol and health issues. Alcohol and wine consumption habits and attitudes including societal influences on human behaviour; education an awareness programs, communication of wine information, introduction to wine, food, licensing, labelling and product laws and standards and distribution.

assessment: to be advised

WINEMKTG 7034WT

Winery Business Management (7114)

3 units semester 2

external or internal - 2 lectures, 1 tutorial per week

prerequisite: 4932 Principles of Food and Wine Marketing (or equivalent), 4063 Introduction to Managerial and Financial Accounting (or equivalent)

The course integrates all of the interfacing elements between wine and business management, including wine marketing (with emphasis on brand building), strategic business management, cost and management accounting, and organisation development. Key focus areas are brand building and management, understanding costs of production, and financing growth strategies. In this course, analysis and application of decision making to winery operations are the key activity performed that are applied throughout to a realistic winery. The primary course outcome is the development of a realistic business plan for the winery.

assessment: to be advised

WINEMKTG 7039WT

Applied Marketing Research (9321)

3 units semester 2

external or internal - 2 hours lectures, 1 tutorial per week

The aim of this course is to study quantitative and qualitative marketing research for pro-active and reactive marketing intelligence systems as it applies to wine and agricultural marketers. Topics included are problem analysis, types of data collection systems, steps in research projects, controls of a research project, questionnaire design, statistical methodology for data reduction, sampling theory and the industry and operative organisations. Dealing with a market research organisation will be a significant aspect of the course which is not aimed at producing researchers but clients who understand the intricacies of the process - and the limitations. The focus will be the application of the theory for use in new wine/agricultural product evaluation, advertising measurement, corporate/ product/range analysis, attitudinal research, as primary sources. Secondary sources such as trade, governmental or syndicated data will be explored and assessed.

assessment: to be advised

WINEMKTG 7049WT

Global Market for Wine (8381)

3 units semester 1

external or internal - 2 lectures, 1 tutorial per week

prerequisite: 4932 Principles of Food and Wine Marketing

This course provides students with insights into the structure, mechanisms, regulatory agencies, and complexities of the world wine marketing. It uses a typology of open, government-regulated

and emerging wine markets as the frame work within which to present this. In addition, it examines key drivers in the world wine marketing and their impact on wine marketing dynamics and characteristics. Throughout there is an emphasis on wine consumer behavioural aspects and successful marketing strategies employed in the major wine consuming markets.

assessment: to be advised

WINEMKTG 7052WT

Applied Management Science (4837)

3 units semester 1

2 lectures, 2-hour practical/tutorial per week

prerequisite: 9101 Business Data Analysis I or equivalent

The aim of this course is to introduce a collection of management science 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, Monte Carlo simulation, decision analysis under risk, and time series forecasting.

assessment: theory, and practical exams, case studies, other assignments

WINEMKTG 7053WT

Introduction to Managerial and Financial Accounting (4063)

3 units semester 1

external only

This course provides an introduction to the nature and purpose of financial, managerial and cost accounting, with particular emphasis on agricultural businesses. Topics included are designed to demonstrate how the processes of measurement of financial events and the collection, sorting, classification, analysis and reporting of financial information are determined by the objectives of accounting, which is to provide financial information for the purpose of decision-making by interested parties. Coverage of the course includes preparation of financial statements; the use of financial ratio analysis to aid decision making; product costing, budgeting, and CVP Analysis.

assessment: exams 60%, assignments 40%

WINEMKTG 7054WT

Legal Issues in Wine Marketing (6949)

3 units semester 2

external only

The aim of this courses is to acquaint students with the legal issues relating to marketing in general and wine marketing in particular. Over the last two decades there have been very significant legislative changes designed to realign the common law

rules in this area to suit the evolving needs of business and consumers. The wine aspects covered will relate to laws governing grades and standards, health, rights and obligations of buyers and suppliers of goods and services, etc.

assessment: exam, assignments

WINEMKTG 7055WT

Principles of Food and Wine Marketing (4843)

3 units semester 1

2 lectures, 1 tutorial per week

The aim of this course is to give wine marketing students an understanding of the role of the marketing manager through an introduction to the basic concepts and practices in marketing with particular emphasis on wine and food products. The topics covered include the marketing environment and marketing strategy formulation. There will be particular examination of product, price, place and promotion strategies.

assessment: exam 50%, assignments, tutorials 50%

WINEMKTG 7056WT

Internet Marketing and E-Commerce

3 units semester 1

external or internal - 2 hours lectures, 2 hours tutorials/practicals per week

prerequisite: 4932 Principles of Food and Wine Marketing

The course examines issues concerning the process, development and impact of e-commerce, and the use of Internet marketing in wine and food business from a managerial viewpoint, and within the context of creating consumer value. Topics include the underlying technology of e-commerce, conceptual foundations of marketing in an electronic environment; e-commerce business models; consumer attitudes and behaviour on the Internet; Internet marketing research; e-commerce and supply chain management, and advertising and promotional strategies in e-commerce. Coverage also includes issues associated with developing strategy, planning, designing, implementing, out-sourcing, securing and managing e-commerce systems and technologies. Emphasis will be on establishing a framework to keep abreast of the technology in a relatively new but fast moving field.

assessment: to be advised

WINEMKTG 7057WT

Food Marketing

3 units semester 2

external or internal - 3 hours lectures/tutorials per week

prerequisite: 4932 Principles of Food and Wine Marketing

This course examines key issues in the development and marketing of primary and processed food and beverages products. Emphasis is placed on such areas as supply chain management, managing

product development, exporting Australian food and beverage products, market research, packaging and labeling, consumer food consumption trends, food marketing strategies, and value-adding in Australian food and beverage industries.

assessment: to be advised

WINEMKTG 7058WT

International Marketing of Wine and Agricultural Products

3 units semester 2

external or internal - 2 lectures, 1 tutorial per week

prerequisite: 4932 Principles of Food and Wine Marketing

This course aims to provide a comprehensive review of the theory and practice of international marketing mainly in relation to wine and agricultural products. Special emphasis will be given to marketing in the European and Asian regions and under GATT. Topics include the economic analysis of international trade and Australian business involvement, environmental factors affecting international marketing, strategic planning and organising for international marketing, decisions on segmentation, product policy including geographical indicators and product planning, pricing, channels of distribution, international advertising and coordinating and controlling global marketing operations. It also focuses on international market research, multi-country data analysis and international marketing information.

assessment: to be advised.

WINEMKTG 7059WT

Strategic Marketing Management

3 units semester 2

external or internal - 2 hours lectures, 1 hour tutorial per week

prerequisite: 4932 Principles of Food and Wine Marketing

The critical role of strategic marketing in meeting the challenges facing organisations in complex markets will be the primary focus of this course, and will seek to explore how formulating and implementing unique strategic marketing moves serve not only to ensure survival, but also to yield significant and sustainable competitive advantage.

Drawing on current and emerging perspectives on strategic marketing, the material covered will be structured in terms of a basic strategic marketing model, which deals with company, competition, customer, environment, strengths and weaknesses, objectives and goals, strategy formulations and implementation.

In order to contextualise this material students will be encouraged to develop an understanding of the practical necessity for interdependency and synergy between an organisation's corporate, business, and functional levels of strategy.

assessment: to be advised

WINEMKTG 7060WT

Consumer Behavioural Analysis

3 units semester 1

external or internal - 2 lectures , 1 tutorial per week

prerequisite: 4932 Principles of Food and Wine Marketing

The aim of this course is to alert wine and agricultural marketing students to the many variables which impinge upon the purchase of goods and services. Within this most important multi-disciplinary course are the studies of perception, attitudes, human motivation, consumer information processing and decision making, the sociology of people, external and internal variables, group influences and the segmentation of people into manageable communicable target groups for niche markets. The implications for marketing are in providing direction and substance for all marketing efforts such as in advertising, promotion, public relations, packaging, pricing, distribution and the nature of the product.

assessment: to be advised

WINEMKTG 7061WT

Strategic Business Management

3 units semester 2

3 hours of seminars per week

prerequisite: 4932 Principles of Food and Wine Marketing, consent of program coordinator

This course is concerned with establishing the long-term direction of an organisation, setting specific performance objectives, developing strategies to achieve these and executing appropriate plans. The course concentrates on creating organisations which achieve superior performance, and the entrepreneurial skills required to create and maintain a competitive advantage. This requires an integrated approach using simulation analysis, and includes an analysis of markets, customers, competitors and technology, together with an understanding of organisational structure and culture, levels of strategy in a divisionalised firm, the role of the corporate centre with consideration given to financial implications of strategy, including acquisitions.

assessment: to be advised

WINEMKTG 7062WT

Microeconomic Principles

3 units semester 1

external only

The course 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 course 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 costs of production, market structure, pricing policies and methods, market failure, welfare and public policy issues and the markets for factors of production.

assessment: exam 50%, assignments, tutorials 50%

Research Projects

AGRIC 7000ARW/BRW

AGRIC 7000AWT/BWT

Project D (ANR) (1320)

8 units full year

AGRIC 7001ARW/BRW

AGRIC 7001AWT/BWT

Project C (ANR) (1717)

6 units full year

AGRIC 7002ARW/BRW

AGRIC 7002AWT/BWT

Project E (ANR) (2211)

9 units full year

AGRIC 7004ARW/BRW

AGRIC 7004AWT/BWT

Project F (ANR) (2854)

12 units full year

AGRIC 7005ARW/BRW

AGRIC 7005AWT/BWT

Project A (ANR) (4205)

3 units full year

Contact with supervisor by arrangement

assumed knowledge: students may be required to take certain courses 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 courses included in the program.

AGRIC 7008ARW/BRW

AGRIC 7008AWT/BWT

Project G (ANR) (7188)

21 units full year

AGRIC 7009ARW/BRW

AGRIC 7009AWT/BWT

Project B (ANR) (7949)

4 units full year

contact with supervisor by arrangement

assumed knowledge: students may be required to take certain courses 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 courses included in the program.

AGRIC 7010RW/WT

Project C (ANR) (One Semester) (3004)

6 units semester 1 or 2

AGRIC 7011RW/WT

Project E (ANR) (One Semester) (3522)

9 units semester 1 or 2

AGRIC 7012RW/WT

Project D (ANR) (One Semester) (4621)

8 units semester 1 or 2

AGRIC 7013RW/WT

Project A (ANR) (One Semester) (5215)

3 units semester 1 or 2

AGRIC 7014RW/WT

Project F (ANR) (One Semester) (7382)

12 units semester 1 or 2

AGRIC 7015RW/WT

Project B (ANR) (One Semester) (9502)

4 units semester 1 or 2

Contact with supervisor by arrangement

assumed knowledge: students may be required to take certain courses 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 courses included in the program.

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Please refer to the Graduate Studies section (see Contents) for Academic Program Rules

Postgraduate awards in the School of Architecture, Landscape Architecture and Urban Design

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Graduate Certificate in Design Studies

Graduate Certificate in Design Studies (Landscape)

Graduate Certificate in Urban Design

Graduate Diploma in Architecture (Digital Media)

Graduate Diploma in Design Studies

Graduate Diploma in Design Studies (Landscape)

Graduate Diploma in Urban Design

Master of Architecture

Master of Architecture (Coursework)

Master of Architecture (Digital 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)

Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General Academic Rules to the Convenor of Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific General Academic 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.

Graduate Certificate in Architecture (Digital Media)

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Part of this program may be available in the external mode.

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 Duration of program

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

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Certificate in Architecture (Digital 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

2.2 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 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 A candidate will not be granted status for any course which he or she has completed for another award.

2.3.2 A candidate who fails a course and desires to repeat that course 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 course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

A candidate for the Graduate Diploma in Architecture (Digital 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.

3 Assessment and examinations

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

- 3.2**
- (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.

4 Qualification requirements

4.1 To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

ARCHDM 7004 Architectural Design with Digital Media A	6
ARCHDM 7006 Architectural Design with Digital Media B	6

4.2 No candidate may take more than one of the courses of the Graduate Certificate through distance learning.

4.3 No candidate will be permitted to count for the Graduate Certificate any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

ARCHDM 7004

Architectural Design with Digital Media A (4852)

6 units 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 may be developed to suit individual student needs.

assessment: projects

ARCHDM 7006

Architectural Design with Digital Media B (9312)

6 units semester 1 or 2

contact hours vary - periods of intensive group contact and periods of less frequent individual tutorials.

assumed knowledge: 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 may be developed to suit individual student needs.

The projects will be topics not covered in ArchDM 7004 Architectural Design with Digital 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 program shall be made through the South Australian Tertiary Admissions Centre (SATAC) on the appropriate form by the required date. Successful applicants to the program may not defer their studies to the following year.

The above awards have been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 Duration of program

- 1.1 Except with the permission of the School of Architecture, Landscape Architecture and Urban Design, the program 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.
- 1.2 Except with the permission of the School of Architecture, Landscape Architecture and Urban Design, the program 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.

2 Admission requirements

- 2.1 An applicant for admission to the program of study for the Graduate Certificate in Design Studies or the Graduate Certificate in Design Studies (Landscape) must have obtained:
- the Ordinary or Honours degree of Bachelor of Design Studies of Adelaide University *or*
 - an Ordinary or Honours degree of Adelaide University 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.
- 2.2 An applicant for admission to the program of study for the Graduate Diploma in Design Studies must have obtained:
- the Graduate Certificate in Design Studies of Adelaide University or an equivalent award from another educational institution accepted by the University for the purpose *or*
 - the Ordinary or Honours degree of Bachelor of Design Studies of Adelaide University *or*
 - an Ordinary or Honours degree of Adelaide University 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.
- 2.3 An applicant for admission to the program of study for the Graduate Diploma in Design Studies (Landscape) must have obtained:
- the Graduate Certificate in Design Studies (Landscape) of Adelaide University or an equivalent award from another educational institution accepted by the University for the purpose *or*
 - the Ordinary or Honours degree of Bachelor of Design Studies of Adelaide University *or*
 - an Ordinary or Honours degree of Adelaide University 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.

2.4 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 2.1, 2.2 or 2.3 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).

2.5 Status, exemption and credit transfer

2.5.1 A candidate who has passed postgraduate level courses 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 Academic Program Rule 5.1 as the Dean of School may determine.

2.5.2 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.

2.5.3 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.

2.5.4 No candidate may be granted more than 12 units of status towards the Graduate Diploma in Design Studies or the Graduate Diploma in Design Studies (Landscape).

2.6 Articulation with other awards

2.6.1 A candidate who holds a Graduate Certificate in Design Studies of Adelaide University shall surrender it before being admitted to the Graduate Diploma in Design Studies.

2.6.2 A candidate who holds a Graduate Certificate in Design Studies (Landscape) of Adelaide University shall surrender it before being admitted to the Graduate Diploma in Design Studies (Landscape).

3 Assessment and examinations

3.1 There shall normally be four classifications of pass in the final assessment of any course 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 course or to other courses. Results in certain courses as specified in the Specific Academic Program Rules will not be classified.

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 In determining a candidate's final result in a course (or part of a course) 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 course of the way in which work will be taken into account and of its relative importance in the final result.

3.4 A candidate who fails a course or who obtains a lower division pass and who desires to take that course again shall, unless exempted wholly or partially therefrom by the Dean of School, again complete the required work in that course to the satisfaction of the teaching staff concerned.

3.5 Review of academic progress

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.

4 Qualification requirements

4.1 Program of study

4.1.1 To qualify for the Graduate Certificate in Design Studies a candidate shall pass a combination of the courses listed in Rule 4.1.3 to the value of at least 12 units.

4.1.2 To qualify for the Graduate Certificate in Design Studies (Landscape) a candidate shall pass a combination of the courses listed in Rule 4.1.4 to the value of at least 12 units.

4.1.3 To qualify for the Graduate Diploma in Design Studies a candidate shall pass the following courses to the value of at least 24 units:

DESST 6000 Special Topic (Design) IVA*	6
DESST 6002 Building Design Studio IV	6
DESST 6006 Special Topic (Design) IVB*	6
DESST 6009 Design and Environments IV	6
DESST 6013 Issues in Urban and Landscape Sustainability IV	3
DESST 6014 Design Communications IV	3
DESST 6015 Twentieth Century Architecture and Landscapes IV	3
DESST 6016 Technology in the Built Environment IV	3

4.1.4 To qualify for the Graduate Diploma in Design Studies (Landscape) a candidate shall pass the following courses to the value of at least 24 units:

DESST 6009 Design and Environments IV	6
DESST 6010 Special Topic (Landscape) IVB*	6
DESST 6011 Special Topic (Landscape) IVA*	6
DESST 6012 Landscape Design Studio IV	6
DESST 6013 Issues in Urban and Landscape Sustainability IV	3
DESST 6014 Design Communications IV	3
DESST 6015 Twentieth Century Architecture and Landscapes IV	3
DESST 6016 Technology in the Built Environment IV	3

*Students should consult the Dean of the School of Architecture, Landscape Architecture and Urban Design about availability of courses.

4.1.5 Course 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 course substitution the Dean of School shall have regard to the candidate's previous academic and practical experience.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

DESST 6000

Special Topic (Design) IVA (1461)

See DESST 6011 for course details

DESST 6002

Building Design Studio IV (2026)

6 units semester 2

up to 6 hours lectures/seminars/studios per week

assumed knowledge: 8490 Issues in Urban and Landscape Sustainability IV

restriction: 3468 Building Design Studio III

In this course 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

DESST 6006

Special Topic (Design) IVB (5694)

See DESST 6011 for course details

DESST 6009

Design and Environments IV (6284)

6 units semester 2

up to 4 hours tutorials/seminars/studios per week

The intersection of theory and practice in architecture and landscape architecture, developed in the context of student design projects. The course 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

DESST 6010

Special Topic (Landscape) IVB (6567)

DESST 6011

Special Topic (Landscape) IVA (7213)

6 units

check availability with School of Architecture, Landscape Architecture and Urban Design

up to 5 hours lectures/seminars/studios per week, field study trips

Details will be provided by the School when specialist teaching is available.

assessment: assignments and projects

DESST 6012

Landscape Design Studio IV (7819)

6 units semester 2

up to 6 hours lectures/seminars/studios per week

assumed knowledge: 8490 Issues in Urban and Landscape Sustainability IV

restriction: 8650 Landscape Design Studio III

In this course 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

DESST 6013

Issues in Urban and Landscape Sustainability IV (8490)

3 units semester 1

up to 6 hours lectures/seminars/studios a week, hours vary from week to week

restriction: 6233 Issues in Landscape Sustainability IV or 8490 Issues in Urban Sustainability IV

This course 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

DESST 6014**Design Communications IV (9452)**

3 units semester 1

up to 3 hours lectures and/or tutorials per week

quota will apply

The representation and communication of design in writing, drawing and modelling including computer techniques.

assessment: assignments 80%, exam 20%

DESST 6015**Twentieth Century Architecture and Landscapes IV (9554)**

3 units semester 1

up to 2 hours lectures, 2 hours tutorials per week

This course is concerned with changing forms, and 'forms of thinking', in the environmental design disciplines since the 19th century. Its primary aim is to place these formal and theoretical developments in a coherent historical framework through which further spatial and cultural dimensions of this field may be better understood. A further aim is to thereby enable students to position themselves critically within contemporary design discourse. Practical work includes exercises in three-dimensional composition and in writing short analytical texts.

assessment: assignments and projects

DESST 6016**Technology in the Built Environment IV (9805)**

3 units semester 1

up to 2 hours lectures, 2 hours tutorials per week

restriction: 9805 Science and the Built Environment IV

Taking a project-based approach the course 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

Graduate Diploma in Architecture (Digital Media)

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete 24 units of study in one year of full-time study or the equivalent of part-time study.

2 Admission requirements

2.1 An applicant for admission to the program of study for the Graduate Diploma in Architecture (Digital 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 (Digital Media) of the University

2.2 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 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be granted status for ARCHDM 7006 Architectural Design with Digital Media B

2.3.2 No candidate shall be granted status for courses with a total value of more than 6 units

2.3.3 A candidate who fails a course and desires to repeat that course 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 course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

A candidate who has been admitted to the Graduate Certificate in Architecture (Digital Media) and who has been granted status toward the Graduate Diploma for courses presented for the Graduate Certificate must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

3 Assessment and examinations

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

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

(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

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

4 Qualification requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.1 Courses of study

ARCHDM 7003 Architectural Design with Digital Media C	12
ARCHDM 7004 Architectural Design with Digital Media A	6
ARCHDM 7006 Architectural Design with Digital Media B	6

4.2 A candidate may take only one of ARCHDM 7004 Architectural Design with Digital Media A or ARCHDM 7006 Architectural Design with Digital Media B through distance learning

4.3 No candidate will be permitted to count for the Graduate Diploma any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

ARCHDM 7003

Architectural Design with Digital Media C (2868)

12 units semester 2

contact hours vary - periods of intensive group contact and periods of less frequent individual tutorials

assumed knowledge: 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 Adelaide University 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

abstraction, and the presentation of work on the World Wide Web for an international audience. The projects may be developed to suit individual student needs.

The projects will be topics not covered in ARCHDM 7004 Architectural Design with Digital Media A.

assessment: projects

ARCHDM 7004

Architectural Design with Digital Media A (4852)

6 units semester 1

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 may be developed to suit individual student needs.

assessment: projects

ARCHDM 7006

Architectural Design with Digital Media B (9312)

6 units semester 1

contact hours vary - periods of intensive group contact and periods of less frequent individual tutorials

assumed knowledge: 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

Master of Architecture (Coursework)

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 program may not defer their studies to the following year.

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters..

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 Duration of program

- 1.1** The program of study for the degree shall extend over five semesters of full-time study or the equivalent. Students shall pass courses to the value of at least 60 units. The unit values of the courses are contained in Specific Academic Program Rule 4.1.

2 Admission

- 2.1** A candidate for admission to the program 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 Adelaide University subject to successful completion of courses comprising the Architectural Studies major *or*
 - (b) the Honours degree of Bachelor of Architecture or Honours degree of Bachelor of Landscape Architecture of Adelaide University 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 Adelaide University and at least two years' appropriate professional experience *or*
 - (d) the Ordinary degree of Bachelor of Architecture (New) of Adelaide University 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 Adelaide University with credit average result or better, or an equivalent award from another educational institution accepted by the University for the purpose.

- 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 the degree a person who does not hold the qualifications specified in 2.1 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

- 2.3.1** A candidate who has passed postgraduate level courses 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 Academic Program Rules as the School may determine.
- 2.3.2** No student may be granted more than 36 units of status towards the Master's degree. Status will not be granted for the course 3489 Architecture Masters Dissertation.

2.4 Articulation with other awards

- 2.4.1** 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 Adelaide University 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.

3 Assessment and examinations

- 3.1** There shall normally be four classifications of pass in the final assessment of any course 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 course or to other courses. Results in certain courses as specified in the relevant Specific Academic Program Rules will not be classified.

- 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** In determining a candidate's final result in a course (or part of a course) 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 course of the way in which work will be taken into account and of its relative importance in the final result.
- 3.4** A candidate who fails a course or who obtains a lower division pass and who desires to take that course 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 course to the satisfaction of the teaching staff concerned.
- 3.5** 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

3.6 Review of academic progress

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.

4 Program of study/Courses of study

- 4.1** To qualify for the degree of Master of Architecture (Coursework) a candidate shall pass the following courses to the value of at least 60 units:

ARCH 4000 Architecture Studio IC	6
ARCH 4003 Architecture Studio ID	6
ARCH 4016 Architecture Studio IA	6
ARCH 4025 Architecture Studio IB	6
ARCH 5018 Architecture Studio II	8
ARCH 5024 Architecture Practice II	4
ARCH 7005 Architecture Masters Dissertation	12
ARCH 7008 Architecture Masters Project	12

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

Level I

Note: During the first year of the program there may be a field trip of approximately 1 week to visit projects relevant to the following Architecture Studio courses

ARCH 4000

Architecture Studio IC (1044)

6 units 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 course 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, a mark of at least 50% must be obtained for each component.

ARCH 4003

Architecture Studio ID (1693)

6 units 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 course 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, a mark of at least 50% must be obtained for each component.

ARCH 4016

Architecture Studio IA (8004)

6 units semester 2

up to 18 hours lectures/tutorials/workshops, hours vary from week to week

This course 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 courses. Lectures given in the course will complement the design process addressing the topics outlined in other Level I courses.

assessment: written, verbal, and graphical (2 and 3 dimensional) communication of two equally weighted components*; to pass, a mark of at least 50% must be obtained for each component.

ARCH 4025

Architecture Studio IB (9858)

6 units 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 course 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, 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

ARCH 5018 Architecture Studio II (6951)

8 units 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

corequisite: 8794 Architecture Practice II

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 course will complement the design process addressing the topics outlined above.

assessment: projects

ARCH 5024 Architecture Practice II (8794)

4 units semester 1

up to 6 hours of lectures a week

corequisite: 6951 Architecture Studio II

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 course.

assessment: assignments

ARCH 7005 Architecture Masters Dissertation III (3489)

12 units semester 1 or summer semester

2 hour tutorial/seminar weekly.

prerequisite: 6264 Architecture Masters Project II

restriction: enrolment subject to application to the Dean of the School and contingent upon prior results

assumed knowledge: Design at postgraduate degree level.

This course comprises an individual design, planning and/or research project which permits the exposition of the major aspects of the program 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

ARCH 7008**Architecture Masters Project II (6264)**

12 units semester 2

up to 20 hours a week studio work, with specialist lectures
irregularly spaced

prerequisite: 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 program.

assessment: final project

Master of Architecture (Digital Media)

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 program may not defer their studies to the following year.

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters..

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 **Duration of program**

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.

2 **Admission**

2.1 An applicant for admission to the program of study for the Master of Architecture (Digital 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 (Digital Media).

2.2 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 2.1 above, but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 **Status, exemption and credit transfer**

- 2.3.1** No candidate will be granted status for ARCHDM 7006 Architectural Design with Digital Media B, except candidates who have qualified for the Graduate Diploma in Architecture (Digital Media).
- 2.3.2** No candidate shall be granted status for courses with a total value of more than 6 units, except candidates who have qualified for the Graduate Diploma in Architecture (Digital Media).

2.3.3 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Dean of the School, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 **Articulation with other awards**

- 2.4.1** A candidate who has been admitted to the Graduate Diploma in Architecture (Digital Media) and who has been granted status toward the Master's degree for courses presented for the Graduate Diploma must surrender the Graduate Diploma before being admitted to the Master's degree.
- 2.4.2** A candidate for the Master of Architecture (Digital 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.

3 **Assessment and examinations**

3.1 There shall be four classifications of pass in the courses for the Master's degree. Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

- 3.2** (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.

4 Qualification requirements

4.1 To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, as follows:

ARCHDM 7001 Architectural Design with Digital Media Masters Project	12
ARCHDM 7003 Architectural Design with Digital Media C	12
ARCHDM 7004 Architectural Design with Digital Media A	6
ARCHDM 7006 Architectural Design with Digital Media B	6

4.2 A candidate may take only one of ARCHDM 7004 Architectural Design with Digital Media A or ARCHDM 7006 Architectural Design with Digital Media B through distance learning.

4.3 No candidate will be permitted to count for the Masters degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

ARCHDM 7001

Architectural Design in Digital Media Masters Project (1903)

12 units semester 2

contact hours vary

prerequisite: all required courses in the Graduate Diploma in Architecture (Digital Media)

This course 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 program 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

ARCHDM 7003

Architectural Design with Digital Media C (2868)

12 units semester 2

contact hours vary - periods of intensive group contact and periods of less frequent individual tutorials

assumed knowledge: 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 Adelaide University 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

ARCHDM 7004

Architectural Design with Digital Media A (4852)

6 units semester 1

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 may be developed to suit individual student needs.

assessment: projects

ARCHDM 7006

Architectural Design with Digital Media B (9312)

6 units semester 1

contact hours vary - periods of intensive group contact and periods of less frequent individual tutorials

assumed knowledge: 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 may be developed to suit individual student needs.

The projects will be topics not covered in ARCHDM 7004 Architectural Design with Digital Media A.

assessment: projects

Master of Landscape Architecture

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 program may not defer their studies to the following year.

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters..

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 Duration of program

- 1.1 The program of study for the degree shall extend over five semesters of full-time study or the equivalent. Students shall pass courses to the value of at least 60 units. The unit values of the courses are contained in Specific Academic Program Rule 4.1.

2 Admission

- 2.1 A candidate for admission to the program 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 Adelaide University subject to successful completion of courses comprising the Landscape Studies major *or*
- (b) the Honours degree of Bachelor of Architecture or Honours degree of Bachelor of Landscape Architecture of Adelaide University 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 Adelaide University and at least two years' appropriate professional experience *or*
- (d) the Ordinary degree of Bachelor of Landscape Architecture of Adelaide University 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 Adelaide University with credit average result or better, or an equivalent award from another educational institution accepted by the University for the purpose.

- 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 the degree a person who does not hold the qualifications specified in 2.1 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

- 2.3.1 A candidate who has passed postgraduate level courses 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 Academic Program Rules as the School may determine.
- 2.3.2 No student may be granted more than 36 units of status towards the Master's degree. Status will not be granted for the course LARCH 7003 Landscape Architecture Masters Dissertation.

2.4 Articulation with other awards

- 2.4.1 Students who have conferred upon them the Ordinary or Honours degree of Bachelor of Landscape Architecture of Adelaide University 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.
- 2.4.2 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 Adelaide University 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.

3 **Assessment and examinations**

- 3.1** There shall normally be four classifications of pass in the final assessment of any course 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 course or to other courses. Results in certain courses as specified in the relevant Specific Academic Program Rules will not be classified.
- 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** In determining a candidate's final result in a course (or part of a course) 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 course of the way in which work will be taken into account and of its relative importance in the final result.
- 3.4** A candidate who fails a course or who obtains a lower division pass and who desires to take that course 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 course to the satisfaction of the teaching staff concerned.
- 3.5** 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.

3.6 Review of academic progress

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.

4 **Program of study**

- 4.1** To qualify for the degree of Master of Landscape Architecture a candidate shall pass the following courses to the value of at least 60 units:

LARCH 4002 Landscape Architecture Studio ID	6
LARCH 4010 Landscape Architecture Studio IA	6
LARCH 4012 Landscape Architecture Studio IB	6
LARCH 4017 Landscape Architecture Studio IC	6
LARCH 5004 Landscape Architecture Seminar II	3
LARCH 5017 Landscape Architecture Practice II	3
LARCH 5029 Landscape Architecture Studio II	6

LARCH 7003 Landscape Architecture Masters Dissertation	12
LARCH 7007 Landscape Architecture Masters Project	12

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

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 course 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.

LARCH 4002

Landscape Architecture Studio ID (1624)

6 units semester 2

16-18 hours average lectures/ tutorials/ workshops/ field trips, hours vary from week to week

assumed knowledge: Design at undergraduate level

This course 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 course 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 course guide - available early in the course/project

LARCH 4010

Landscape Architecture Studio IA (5688)

6 units semester 1

assumed knowledge: Design at undergraduate level

16-18 hours average lectures/ tutorials/ workshops/ field trips, hours vary from week to week

This course 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 course 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

LARCH 4012

Landscape Architecture Studio IB (6763)

6 units semester 1

16-18 hours average lectures/ tutorials/ workshops/ field trips, hours vary from week to week

assumed knowledge: Design at undergraduate level

This course 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 course 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 course guide - available early in the course/project

LARCH 4017

Landscape Architecture Studio IC (8024)

6 units semester 2

16-18 hours average lectures/ tutorials/ workshops/ field trips, hours vary from week to week

assumed knowledge: Design at undergraduate level

This course will typically address a small to medium sized landscape design and planning topic in an urban setting possessing strong cultural traditions and patterns. The course 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 course guide - available early in the course/project

LARCH 5004

Landscape Architecture Seminar II (2507)

3 units semester 1

2-3 hours average of lectures/tutorials/workshops/ field trips, hours vary from week to week

corequisite: 9261 Landscape Architecture Studio II and 6817 Landscape Architecture Practice II

This course will address contemporary issues of landscape architecture design, planning and practice. The course 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

LARCH 5017

Landscape Architecture Practice II (6817)

3 units semester 1

corequisite: 9261 Landscape Architecture Studio II and 2507 Landscape Architecture Seminar II

2-3 hours average lectures/ tutorials/workshops/ field trips, hours vary from week to week

This course will address the frameworks for and ethical structures of landscape architecture professional practice. The course 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

LARCH 5029

Landscape Architecture Studio II (9261)

3 units semester 1

16-18 hours average lectures/ tutorials/ workshops/ field trips, hours vary from week to week

prerequisite: at least three of: 5688 Landscape Architecture Studio IA, 6763 Landscape Architecture Studio IB, 8024 Landscape Architecture Studio IC and 1624 Landscape Architecture Studio ID.

corequisite: 2507 Landscape Architecture Seminar II and 6817 Landscape Architecture Practice II

This course 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 course 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 course guide - available early in the course/project

LARCH 7003

Landscape Architecture Masters Dissertation (2200)

12 units semester 1 or summer semester

2 hour tutorial/seminar per week

prerequisite: 3497 Landscape Architecture Masters Project

restriction: enrolment subject to application to the Dean of the School and contingent upon prior results

This course 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 program 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

LARCH 7007

Landscape Architecture Masters Project (3497)

12 units semester 2

16-18 hours average lectures/ tutorials/ workshops/ field trips;
hours vary from week to week

prerequisite: 9261 Landscape Architecture Studio II

This course 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

Master of Architecture
Master of Building Science
Master of Design Studies
Master of Design Studies (Landscape)
Master of Landscape Architecture
Master of Urban Design

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters..

Specific Academic Program Rules

1 General

- 1.1** 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.
- 1.2** 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 programs related to the research topic.
- 1.3** 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.
- 1.4** (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.
- 1.5** 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.
- 1.6** (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).
- 1.7** (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 Board of Research, Education and Development, on behalf of 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 Board 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 Board, and any such appeal shall be considered by the Board at the same time as it considers the School's recommendation.
- 1.8** 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.
- 1.9** When the School is satisfied that a candidate has complied with the requirements and conditions of the Specific Academic Program Rules and that the thesis is acceptable, the School shall recommend to the Board 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.

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 Adelaide University *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 Research, Education and Development 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 Academic Program 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 Board, 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 Board, 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 Adelaide University *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 Research, Education and Development 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 Academic Program 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 Board, 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 Adelaide University or other qualifications accepted by the University as equivalent to an Honours degree.
- 2.8** Subject to the approval of the Board of Research, Education and Development, 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 Academic Program 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 Board, 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 Board 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 Adelaide University *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 Research, Education and Development, 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 Academic Program Rule 2.10 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 Board, 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 Board, the candidature shall be either confirmed or terminated.

3 Qualification requirements

3.1 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.

3.2 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.

3.3 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.

3.4 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 under the guidance of and in regular consultation with a supervisor or supervisors appointed by the School.

3.5 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.

3.6 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.

School of Commerce

Website: www.commerce.adelaide.edu.au

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- 1 Council has delegated the power to approve minor changes to the General General Academic Rules to the Convenor of Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific General Academic 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

Master of Commerce

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 General

- 1.1 Prior to acceptance as a candidate it will be necessary for the School to approve the applicant's suggested Supervisor.
- 1.2 The subject of any thesis shall be approved by the School of Commerce and the Faculty.

2 Duration of program

- 2.1 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.
- 2.2 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.

3 Admission requirements

- 3.1 A person who wishes to become a candidate for the degree shall apply to the Faculty indicating in general terms the subject of any research work to be undertaken.
- 3.2 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 Adelaide University *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 Adelaide University.
- 3.3 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 program of study and pass a qualifying examination of Honours standard.
- (b) The form and assessment of any preliminary work and/or of any program of study shall be proposed by the School of Commerce and approved by the Faculty.

4 Assessment and examinations

- 4.1 On completion of the work, the candidate shall lodge 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'.
- 4.2 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.~~
- 4.3 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
- 4.4 **Review of academic progress**
- 4.4.1 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.

- 4.4.2 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 75 per cent of seminars is expected. For part-time students, a minimum of 50 percent is expected.

5 Qualification requirements

- 5.1 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.

Dental School

Website: www.dentistry.adelaide.edu.au

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Doctor of Philosophy

Ph.D.

Please refer to the Graduate Studies section (see Contents) for Academic Program Rules

[†] For syllabus details please refer to the *University Calendar Volume II, 1996*. For information on M.D.S. (named degrees) please refer to the *University Calendar Volume II: Handbook of Courses 2000*.

Postgraduate awards in the Dental School

Graduate Certificate in Dentistry
Graduate Diploma in Clinical Dentistry
Graduate Diploma in Forensic Odontology
Master of Dental Surgery
Master of Dental Surgery (Community and Preventive Dentistry)
Master of Dental Surgery (Dento-Maxillo-Facial Radiology)
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 Clinical Dentistry
Doctor of Dental Science

Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General General Academic Rules to the Convenor of the Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific General Academic 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.

Graduate Certificate in Dentistry

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 General

- 1.1 To qualify for the Graduate Certificate, a candidate shall satisfactorily complete Graduate Certificate in Dentistry courses to an aggregate of 12 units.

2 Duration of program

- 2.1 To qualify for the Graduate Certificate a candidate shall:
- complete satisfactorily an approved program 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 Academic Program Rule 2.1.

3 Admission

- 3.1 The Dental School may accept as a candidate for the Graduate Certificate any person who:
- has qualified in Adelaide University 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 Academic Program Rule 3.1(a) hereof

3.2 Articulation with other awards

Students who complete the Graduate Certificate are eligible to apply for entry to the Graduate Diploma in Clinical Dentistry program and if successful on gaining entry, receive status for studies they have undertaken in the Graduate Certificate.

4 Assessment and examinations

- 4.1 A candidate shall not be eligible to present for examination unless the required program 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 course for the Graduate Certificate: Non Graded Pass; or Pass with High Distinction, Pass with Distinction, Pass with credit and Pass.

4.4 Review of academic progress

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.

5 Qualification requirements

5.1 Academic Program

All students shall satisfactorily complete the compulsory course

DENT 6001HO Contemporary Dental Practice *	6
Students shall complete elective courses to the value of six units taken from the following (subject to availability):	
DENT 6021HO Adhesive Dentistry C	2
DENT 6022HO Advanced Restorative Dentistry C	2
DENT 6023HO Endodontics C	2
DENT 6024HO High Risk Caries C	2
DENT 6025HO Implantology C	2
DENT 6026HO Occlusion/TMJ Dysfunction C	2
DENT 6027HO Oral Pathology-Oral Medicine C	2
DENT 6029HO Orthodontics C	2
DENT 6030HO Periodontics C	2
DENT 6031HO Removable Prosthodontics (full) C	2

DENT 6032HO Removable Prosthodontics (partial) C	2
DENT6033HO Special Patient Care C	2
DENT 6034HO Dental Wear C	2
DENT 6047HO HO Oral Surgery C	2

Other courses as they become available

* available in external mode only

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

Note: all courses are available through open learning

DENT 6001HO

Contemporary Dental Practice (1089)

6 units

An external study mode course 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

DENT 6021HO

Adhesive Dentistry C (8170)

2 units

This course 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, seminar performance

DENT 6022HO

Advanced Restorative Dentistry C (8187)

2 units

This course 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

DENT 6023HO

Endodontics C (2866)

2 units

This course 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

DENT 6024HO

High Risk Caries C (2625)

2 units

This course 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

DENT 6025HO

Implantology C (5727)

2 units

This course 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

DENT 6026HO

Occlusion/TMJ Dysfunction C (6194)

2 units

This course is designed to update the general and specialist practitioner on current concepts of craniomandibular disorders. The course will cover the sequelae of masticatory muscle hyperactivity and the progression from myogenous to arthrogenous dysfunction.

assessment: seminar performance, clinical work

DENT 6027HO

Oral Pathology-Oral Medicine C (4735)

2 units

This course 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

DENT 6028HO**Oral Surgery C (1824)**

2 units

The course covers academic and clinical aspects of modern dento-alveolar surgery relevant to general dental practitioners including removal of teeth.

assessment: seminar performance, clinical work

DENT 6029HO**Orthodontics C (6456)**

2 units

This course 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

DENT 6030HO**Periodontics C (6003)**

2 units

This course 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

DENT 6031HO**Removable Prosthodontics (Full) C (4877)**

2 units

This course 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

DENT 6032HO**Removable Prosthodontics (Partial) C (6605)**

2 units

This course 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

DENT 6033HO**Special Patient Care C (8123)**

2 units

This course 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

DENT 6034HO**Dental Wear C (9852)**

2 units

This course will involve an interdisciplinary approach to the worn dentition and will aim to help the general practitioner to identify clinically 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. Participants will be brought up to date with current research. Case presentation and seminar participation will be part of the course.

assessment: seminar performance, participation in general discussions

Graduate Diploma in Clinical Dentistry

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 General

- 1.1** 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.
- 1.2** No candidate will be permitted to count for the Graduate Diploma in Clinical Dentistry any course that in the opinion of the Dental School contains substantially the same material as any course which he or she presented already for another qualification, other than the Graduate Certificate in Dentistry and then only upon its surrender

2 Duration of program

- 2.1** To qualify for the Graduate Diploma, a candidate shall:
- (a) complete satisfactorily an approved program 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 Academic Program Rule 2.1.

3 Admission

The Dental School may accept as a candidate for the Graduate Diploma any person who:

- (a) has qualified in Adelaide University 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.

4 Assessment and examinations

- 4.1** The names of the candidates who qualify for the award shall be published within the following classes and divisions in each course:
- First Class
 - Second Class Division A
 Division B
 - Third Class
- 4.2** A candidate shall not be eligible to present for examination unless the required program 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.
- 4.4** Review of academic progress
- 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.

5 Qualification requirements

5.1 Academic Program

The program of study shall be in one of two streams. Candidates are required to complete satisfactorily courses to the value of 24 units in one of the following streams:

5.1.1 Stream A

Candidates shall satisfactorily complete

- (a) the following compulsory courses:

DENT 6001HO Contemporary Dental Practice	6
DENT 6004HO Research Methods and Ethics	2

- (b) elective courses to the value of 16 units taken from the following*:

DENT 6021HO Adhesive Dentistry C	2
DENT 6022HO Advanced Restorative Dentistry C	2
DENT 6023HO Endodontics C	2

DENT 6024HO High Risk Caries C	2
DENT 6025HO Implantology C	2
DENT 6026HO Occlusion/TMJ Dysfunction C	2
DENT 6027HO Oral Pathology-Oral Medicine C	2
DENT 6028HO Oral Surgery C	2
DENT 6029HO Orthodontics C	2
DENT 6030HO Periodontics C	2
DENT 6031HO Removable Prosthodontics (Full) C	2
DENT 6032HO Removable Prosthodontics (Partial) C	2
DENT 6033HO Special Patient Care C	2
DENT 6034HO Dental Wear C	2

Other clinical courses may be considered from time to time.

* see Graduate Certificate in Dentistry for syllabus details

5.1.2 Stream B

Candidates shall satisfactorily complete:

(a) the following compulsory courses:

DENT 6003HO Basic and Applied Dental Sciences	2
DENT 6004HO Research Methods and Ethics	2

(b) elective courses to the value of 20 units taken from the following:

DENT 6041HO Advanced Restorative Dentistry D	4
DENT 6042HO Community & Preventive Dentistry D	4
DENT 6046HO Dentistry for the Medically Compromised D	4
DENT 6047HO Dento-Maxillo-Facial Radiology D	4
DENT 6048HO Endodontics D	4
DENT 6049HO Forensic Odontology D	4
DENT 6050HO Oral Surgery D	4
DENT 6051HO Orthodontics D	4
DENT 6052HO Periodontics D	4
DENT 6053HO Prosthodontics D	4
DENT 6054HO Tooth Wear D	4

Other clinical courses may be considered from time to time.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

DENT 6003HO

Basic and Applied Dental Sciences (4660)

2 units semester 1 or 2

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: written work and participation

DENT 6004HO

Research Methods and Ethics (5305)

2 units semester 2

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 scientific requirements of the student enrolled.

assessment: short test in biostatistics, evaluation of short written critique of given scientific paper

DENT 6041HO

Advanced Restorative Dentistry D (8241)

4 units semester 1 or 2

This course covers in detail the theory and techniques applying to mechanisms of adhesion of materials to teeth and the reasons for success or failure.

assessment: participation in technical projects, seminar performance

DENT 6042HO

Community and Preventive Dentistry D (4269)

4 units semester 1 or 2

This course 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 - assignments; open book, written exam

DENT 6043HO

Dental Clinical Practice D (1890)

3 units semester 1 or 2

This course comprises developing treatment plans for ten selected complex cases with the guidance of a supervisor. It involves

attendance at a four day intensive orientation program in the Dental School to participate in seminars and lectures, to meet supervisors, finalise essay and seminar topics and to commence treatment planning for selected cases. The clinical cases are then completed in in the candidate's own practice in discussion with the supervisor. Cases are documented and three are formally presented with radiographs, study models and photographs as part of a four day intensive concluding program at the Dental School to present seminars, and patient reports, to discuss essays and to participate in viva voce examinations.

assessment: satisfactory performance in clinical work and seminars

DENT 6044HO

Dental Literature Review D (1863)

4 units semester 1 or 2

To satisfactorily complete this course, students will be required to undertake a guided course of reading and critically present the material within two selected areas.

assessment: two seminars, 5000 word essay

DENT 6045HO

Dental Research Practice D (1899)

3 units semester 1 or 2

This course involves either, participation in a small research project under supervision, or some other project such as a dental health education project, or other community based activity.

assessment: satisfactory completion of 5000 word literature review of research topic

DENT 6046HO

Dentistry for the Medically Compromised D (9275)

4 units semester 1 or 2

This course 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

DENT 6047HO

Dento-Maxillo-Facial Radiology D (6028)

4 units semester 1 or 2

This course 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: clinical assessment via log book and case studies, assignments; written exam

DENT 6048HO

Endodontics D (1398)

4 units semester 1 or 2

This course 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

DENT 6049HO

Forensic Odontology D (2031)

4 units semester 1 or 2

This course 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

DENT 6050HO

Oral Surgery D (8120)

4 units semester 1 or 2

This course 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

DENT 6051HO

Orthodontics D (5512)

4 units semester 1 or 2

This course 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

DENT 6052HO

Periodontics D (3767)

4 units semester 1 or 2

This course 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

DENT 6053HO

Prosthodontics D (3979)

4 units semester 1 or 2

This course 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

DENT 6054HO

8106 Tooth Wear D

4 units 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

DENT 6055HO

Special Topics In Dental Clinical Science A

4 units semester 1 or 2

This course will cover selected topics which are not currently covered elsewhere in the Dentistry curriculum. The selection of topics will depend on availability of staff, including visitors, and on their teaching and research interests.

assessment: seminar performance, clinical work

DENT 6056HO

Special Topics In Dental Clinical Science B

4 units semester 1 or 2

This course will cover selected topics which are not currently covered elsewhere in the Dentistry curriculum. The selection of topics will depend on availability of staff, including visitors, and on their teaching and research interests.

assessment: seminar performance, clinical work

DENT 6057HO

Special Topics In Dental Clinical Science C

3 units semester 1 or 2

This course will cover selected topics which are not currently covered elsewhere in the Dentistry curriculum. The selection of topics will depend on availability of staff, including visitors, and on their teaching and research interests.

assessment: seminar performance, clinical work

Graduate Diploma in Forensic Odontology

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 General

- 1.1 For each candidate, the Dental School shall appoint a supervisor or supervisors for guidance.
- 1.2 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.
- 1.3 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.

2 Duration of program

- 2.1 To qualify for the Diploma a candidate shall satisfactorily complete a program 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 program for the Graduate Diploma shall be completed in not more than three years.

3 Admission requirements

- 3.1 An applicant for admission to the program of study for the Graduate Diploma shall have qualified for the degree of Bachelor of Dental Surgery in Adelaide University, or hold qualifications in Dentistry from another institution accepted for the purpose by the University.
- 3.2 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 Academic Program Rule 3.1 above but who have given evidence satisfactory to the Dental School of fitness to undertake advanced work in dentistry.

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 program of study has been completed to the satisfaction of the Dean of the Dental School.

4.3 Review of academic progress

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

5 Qualification requirements

- 5.1 To qualify for the diploma a candidate shall pass the following courses

DENT 6003HO Basic and Applied Dental Sciences
DENT 6004HO Research Methods and Ethics
DENT 6006HO Anatomy and Forensic Anthropology
DENT 6008AHO/BHO Casework in Forensic Odontology
DENT 6010AHO/BHO Oral and Forensic Pathology
DENT 6011AHO/BHO Principles and Methods
of Forensic Odontology

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

DENT 6003HO

Basic and Applied Dental Sciences (4660)

2 units semester 2

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: essay and seminar participation

DENT 6004HO

Research Methods and Ethics (5305)

2 units semester 2

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

DENT 6006AHO/BHO

Anatomy and Forensic Anthropology (3914)

4 units 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: essay and seminar participation

DENT 6008AHO/BHO

Casework in Forensic Odontology (6760)

8 units full year

Supervision as required

The course 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: essay and seminar participation

DENT 6010AHO/BHO

Oral and Forensic Pathology (9472)

4 units full year

2 hour seminar per week

This course 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: essay and seminar participation

DENT 6012AHO/BHO

Principles and Methods of Forensic Odontology (8843)

4 units 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 bite marks.

assessment: essay and seminar participation

Master of Science in Dentistry

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 General

- 1.1 A candidate who complies with the following conditions and satisfies the Examination Committee shall, on the recommendation of the Dental School, be awarded the degree of Master of Science in Dentistry.

2 Duration of program

A candidate shall not be admitted to the degree before the expiration of two calendar years from the date of admission to candidature.

3 Admission requirements

- 3.1 The Dental School may accept as a candidate for the degree any person who:
- (a) has qualified in Adelaide University 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 3.1(a) *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 3.1(a).
- 3.2 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.
- 3.3 A person who wishes to become a candidate for the degree shall apply to the Faculty Registrar indicating in general terms the subject and outline of the proposed research project and where applicable the proposed program of study for examination.

3.4 Supervision

For each candidate, the Dental School shall appoint a supervisor or supervisors for guidance.

4 Assessment and examinations

- 4.1 On completion of their work, candidates shall lodge three copies of the thesis which shall be prepared in accordance with directions given from time to time
- 4.2 The Dental School shall appoint examiners of the thesis at least one of whom shall be an external examiner.
- 4.3 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.
- 4.4 For each candidate the Dental School shall appoint a Master's Examination Committee which shall:
- (a) recommend the appointment of examiners under 4.2
 - (b) consider the reports of the examiners of the research report and the results of any examination.
- 4.5 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.
- 4.6 **Review of academic progress**
- A candidate's progress shall be reviewed by the Master's Examination Committee at the end of the first year of the program 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 Qualification requirements

5.1 To qualify for the degree, a candidate shall:

- (a) complete satisfactorily, in Adelaide University or at an institution approved for the purpose by the Dental School, an approved program 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 program
- (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.

5.2 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, within six calendar years from the date of admission to candidature.

Doctor of Clinical Dentistry

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 Duration of the program

- 1.1 Except in circumstances approved by the Board of Graduate Studies, the work for the degree shall be completed and the research thesis or related works submitted:
- (a) in the case of a full time candidate, not less than three years and not more than four years from the date of commencement of candidature, except where status has been granted
 - (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, except where status has been granted.

2 Admission

- 2.1 The Board of Graduate Studies may accept as a candidate for the degree any person who:
- (a) has qualified in Adelaide University for the degree of Bachelor of Dental Surgery, or has qualified in another University for a degree or degrees in dentistry which the Board of Research, Education and Development regards as equivalent *and*
 - (b) has completed at least two years of relevant practical experience since qualifying for that degree *and*
 - (c) has qualified for an Honours degree of Adelaide University equivalent to at least a second class division standard, or has qualified for the Graduate Diploma in Clinical Dentistry of Adelaide University or equivalent, or has successfully completed the Primary Examinations of the Royal Australasian College of Dental Surgeons or equivalent. A case for equivalence can be made by applicants with extensive experience of at least five years in dental practice and who can demonstrate active participation in continuing education
- 2.2 Status and articulation
- 2.2.1 A candidate who is currently enrolled for the Graduate Diploma in Clinical Dentistry or Master of Dental Surgery shall, on written application to the Dental School Higher

Degrees and Scholarships Committee, be considered for status in all equivalent courses completed towards the Graduate Diploma in Clinical Dentistry or Master of Dental Surgery.

- 2.2.2 With the permission of the Higher Degrees and Scholarships Committee of the Dental School, students with a degree from other than Adelaide University may present for the degree of Doctor of Clinical Dentistry courses to a maximum aggregate units value of 24 units.

2.2.3 Transitional arrangements

- 2.2.3.1 Students with a degree of Master of Dental Surgery from Adelaide University may present for the degree of Doctor of Clinical Dentistry courses to a maximum aggregate units value of 48 units.
- 2.2.3.2 Students with a three year degree of Master of Dental Surgery (Orthodontics) from Adelaide University may present for the degree of Doctor of Clinical Dentistry courses to a maximum aggregate units value of 72 units.
- 2.2.3.3 Students with the Graduate Diploma in Clinical Dentistry from Adelaide University may present for the degree of Doctor of Clinical Dentistry courses to a maximum aggregate units value of 24 units.
- 2.2.3.4 Candidates who have maximum status awarded as outlined in rule 2.2.1 shall surrender the degree for which status is granted before being admitted to the degree of Doctor of Clinical Dentistry.

2.3 Acceptance

- 2.3.1 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 Dental School *and*
 - (b) the Dental School can provide appropriate supervisors and other resources to support the candidate at this university or a collaborating university.
- 2.3.2 Collaborating Universities for the purpose of this degree shall be defined from time to time by the Dental School.

2.4 Extensions and intermissions

- 2.4.1 The Board of Graduate Studies in consultation with the Dental School may grant a candidate one extension of candidature of twelve months beyond the maximum period specified in rule 1.1, but if the research thesis or related works has not been submitted by the end of that period, the candidature will lapse.
- 2.4.2 A candidate whose work is interrupted for a period of time may be granted an intermission of candidature by the Board of Graduate Studies. If an intermission is approved the duration of the candidature specified in rule 1.1 will be adjusted accordingly.
- 2.4.3 For candidates undertaking the Oral and Maxillofacial Surgery stream, an intermission of up to four years may be granted while the candidate completes the prerequisites of 8039 Specialist Oral and Maxillofacial Surgery VII. The duration of the candidature specified in Rule 1.1 will be adjusted accordingly.

2.5 Resumption of lapsed candidature

- 2.5.1 A candidature which has lapsed will be resumed if the completed research work, 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 Manager, Administrative Services. The research work will only be accepted if the Dental School certifies that it is satisfactory to the School. 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 School. Approval of the Board is required for resumption of a lapsed candidature under any other conditions.

In special circumstances the Board, on the recommendation of the School, may approve the resumption of a lapsed candidature for one period of up to six months prior to the submission of the completed research work.

3 Assessment and examinations

3.1 Clinical component

Candidates shall be assessed annually. This assessment may take the form of a written examination, viva voce or clinical presentation. Should a candidate's progress be unsatisfactory, their candidature will be reviewed by the Higher Degrees and Scholarships Committee of the Dental School which shall make recommendations to the Board of Graduate Studies.

3.2 Research component

- 3.2.1 In order to fulfil the requirements of the research component for the degree, students shall submit a research work consisting of either (1) a thesis based on original research, or (2) a compilation of a minimum of two

papers based on research undertaken for the degree, and accepted for publication in internationally refereed journals, with an accompanying summary. By the end of their third year, candidates shall lodge with the Manager, Administrative Services, three copies of the research work 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.

- 3.2.2 The Board of Graduate Studies in consultation with the Dental School shall appoint two examiners external to the Dental School for assessment of the research thesis.
- 3.2.3 Where a candidate submits a compilation of two or more papers accepted for publication in internationally refereed journals, with an accompanying summary, the research work shall be assessed by the Doctoral Examination Committee which shall make appropriate recommendation to the Board of Graduate Studies.

3.3 Recommendations of Doctoral Examination Committee

The Doctoral Examination Committee may recommend to the Board of Graduate Studies through the Higher Degrees and Scholarships Committee that the candidate:

- (a) be awarded the degree *or*
- (b) be examined orally or otherwise on the subject of the research work and the general field of knowledge in which it falls *or*
- (c) be awarded the degree subject to such amendments of the research thesis as the examiners may have suggested *or*
- (d) be not awarded the degree but be allowed to revise and resubmit the research thesis within such period as the Board of Graduate Studies may allow *or*
- (e) be not awarded the degree.

3.4 Doctoral Examination Committee

- 3.4.1 For each candidate, there shall be a Doctoral Examination Committee which shall consist of the Principal Supervisor, the Postgraduate Coordinator and one person nominated by the Higher Degrees and Scholarships Committee of the Dental School.
- 3.4.2 The Doctoral Examination Committee shall:
- (a) recommend the appointment of examiners
 - (b) consider the reports of the examiners of a research thesis, or published works submitted as fulfillment of the requirements of the research component, and the results of any examination, and make appropriate recommendation to the Board of Graduate Studies regarding the award of the degree.

3.5 Review of Academic Progress

A formal review of a candidate's progress shall be conducted by the Dental School 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.

4 Qualification requirements

- 4.1** A candidate shall pursue a program of study and research approved by the Board of Graduate Studies in consultation with the Dental School.
- 4.2** Within the coursework study component, which comprises two thirds of the degree, all candidates shall be required to complete core courses to the value of 12 units and specialist stream courses to the value of 36 units.
- 4.3** Within the research component which shall comprise one third of the degree, all candidates shall be required to complete research courses to the value of 24 units.
- 4.4** Candidates shall satisfactorily complete:
- (a) the following core courses:
- | | |
|---|---|
| DENT 8001AHO/BHO Research Methods, Experimental Design & Ethics | 4 |
| DENT 8002AHO/BHO Common topics in Dental Clinical Science | 4 |
| DENT 8003AHO/BHO Interdisciplinary seminars in Clinical Dentistry | 4 |
- (b) all courses in one of the following course streams:
- (i) *Dento-Maxillo-Facial Radiology*
- | | |
|--|----|
| DENT 8010AHO/BHO Spec Clin Dento-Maxillo-Facial Radiology VI | 8 |
| DENT 8011AHO/BHO Spec Clin Dento-Maxillo-Facial Radiology VII | 8 |
| DENT 8012AHO/BHO Spec Clin Dento-Maxillo-Facial Radiology VIII | 20 |
- (ii) *Endodontics*
- | | |
|---|----|
| DENT 8020AHO/BHO Specialist Clinical Endodontics VI | 8 |
| DENT 8021AHO/BHO Specialist Clinical Endodontics VII | 8 |
| DENT 8022AHO/BHO Specialist Clinical Endodontics VIII | 20 |

- (iii) *Forensic Odontology*
- | | |
|---|----|
| DENT 8030AHO/BHO Specialist Clinical Forensic Odontology VI | 8 |
| DENT 8031AHO/BHO Specialist Clinical Forensic Odontology VII | 8 |
| DENT 8032AHO/BHO Specialist Clinical Forensic Odontology VIII | 20 |
- (iv) *General Dental Practice*
- | | |
|--|----|
| DENT 8040AHO/BHO Advanced General Dental Practice VI | 8 |
| DENT 8041AHO/BHO Advanced General Dental Practice VII | 8 |
| DENT 8042AHO/BHO Advanced General Dental Practice VIII | 20 |
- (v) *Oral & Maxillofacial Surgery*
- | | |
|---|----|
| DENT 8050AHO/BHO Specialist Oral & Maxillofacial Surgery VI | 8 |
| DENT 8050AHO/BHO Specialist Oral & Maxillofacial Surgery VII | 8 |
| DENT 8052AHO/BHO Specialist Oral & Maxillofacial Surgery VIII | 20 |
- (vi) *Oral Medicine*
- | | |
|--|----|
| DENT 8060AHO/BHO Specialist Oral Medicine VI | 8 |
| DENT 8061AHO/BHO Specialist Oral Medicine VII | 8 |
| DENT 8062AHO/BHO Specialist Oral Medicine VIII | 20 |
- (vii) *Oral Pathology*
- | | |
|---|----|
| DENT 8070AHO/BHO Specialist Oral Pathology VI | 8 |
| DENT 8071AHO/BHO Specialist Oral Pathology VII | 8 |
| DENT 8072AHO/BHO Specialist Oral Pathology VIII | 20 |
- (viii) *Orthodontics*
- | | |
|--|----|
| DENT 8080AHO/BHO Specialist Orthodontics VI | 8 |
| DENT 8081AHO/BHO Specialist Orthodontics VII | 8 |
| DENT 98082AHO/BHO Specialist Orthodontics VIII | 20 |
- (ix) *Paediatric Dentistry*
- | | |
|---|----|
| DENT 8090AHO/BHO Specialist Paediatric Dentistry VI | 8 |
| DENT 8091AHO/BHO Specialist Paediatric Dentistry VII | 8 |
| DENT 8092AHO/BHO Specialist Paediatric Dentistry VIII | 20 |

(x) *Periodontics*

DENT 8100AHO/BHO Specialist Periodontics VI	8
DENT 8101AHO/BHO Specialist Periodontics VII	8
DENT 8102AHO/BHO Specialist Periodontics VIII	20

(xi) *Prosthodontics*

DENT 8110AHO/BHO Specialist Prosthodontics VI	8
DENT 8111AHO/BHO Specialist Prosthodontics VII	8
DENT 8112AHO/BHO Specialist Prosthodontics VIII	20

(c) the following four courses which shall be taken sequentially:

DENT 8804HO Doctor of Clinical Dentistry Research A	6
DENT 8805HO Doctor of Clinical Dentistry B	6
DENT 8806HO Doctor of Clinical Dentistry C	6
DENT 8807HO Doctor of Clinical Dentistry D	6

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

core courses

DENT 8001AHO/BHO **Research Methods, Experimental Design, & Ethics** **(6154)**

4 units full year

1 hour per week

The course of seminars provides an appreciation of the scientific method, and of ethics approval procedures, as well as practical aspects of biostatistics, experimental design, research methodology, laboratory safety and infection control, use of computers, internet, and bibliographic databases, preparation of Research Proposal, evaluation of clinical and 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, and the theory of evidence-based dentistry will be introduced.

assessment: short test in biostatistics, evaluation of short written critique of given scientific paper; presentation of research protocol course streams

DENT 8002AHO/BHO **Common Topics in Dental Clinical Science (4935)**

4 units full year

1 hour per week

prerequisite: 6154 Research Methods, Experimental Design, & Ethics

The course of lectures and seminars aims to provide postgraduate students with a broad appreciation of current knowledge in applied dental sciences, particularly topics in specialised areas peripheral to the candidate's field of study. Such topics will include hard tissue resorption, temporomandibular joint, the periodontium, inflammation, behavioural science, oncology, teaching techniques, etc.

assessment: essay on a topic presented during the series

DENT 8003AHO/BHO **Interdisciplinary seminars in Clinical Dentistry (3776)**

4 units full year

1 hour per week

prerequisite: 4935 Common topics in Dental Clinical Science

The course of seminars and case presentations aims to provide postgraduate students with a broad appreciation of current knowledge in other specialty areas, using topics and cases requiring a specialised, interdisciplinary approach. Special

emphasis will be given to analysis of cases using an evidence based approach (see DENT 8001AHO/BHO Research Methods, Experimental Design, & Ethics).

assessment: presentation of clinical case

Dento-Maxillo-Facial Radiology

DENT 8010AHO/BHO **Specialist Clinical Dento-Maxillo-Facial Radiology VI** **(5692)**

8 units full year

corequisite: 6154 Research Methods, Experimental Design, & Ethics

The range of knowledge required to pursue specialist training in Dento-Maxillo-Facial Radiology can be divided into 4 sections: Basic physics and equipment: the production of xrays, their properties and interactions which result in the formation of a radiographic image; Radiation protection: the protection of patients and dental staff from the harmful effects of xrays; Radiography: the techniques involved in producing the various radiographic images; Radiography: the interpretation of these radiographic images.

The course 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.

DENT 8011AHO/BHO **Specialist Clinical Dento-Maxillo-Facial Radiology VII** **(5927)**

8 units full year

prerequisite: 5692 Specialist Clinical Dento-Maxillo-Facial Radiology VI

DENT 8012AHO/BHO **Specialist Clinical Dento-Maxillo-Facial Radiology VIII** **(7850)**

20 units full year

prerequisite: 5927 Specialist Clinical Dento-Maxillo-Facial Radiology VII

See 5692 Specialist Clinical Dento-Maxillo-Facial Radiology VI for syllabus details

Endodontics

DENT 8020AHO/BHO

Specialist Clinical Endodontics VI (6813)

8 units full year

corequisite: 6154 Research Methods, Experimental Design, & Ethics

The course aims at fulfilling the requirements for graduate education as laid down in guidelines published by the Australian Society of Endodontology. The training program provides knowledge and experience in: patient assessment, differential diagnosis of pulp and periradicular pathology; local anaesthesia and sedation; endodontic isolation; biological aspects of endodontics; chemo-mechanical preparation of root canals including applied pharmacology and therapeutics; endodontic materials, instruments and equipment; root canal filling techniques; evaluation of previous endodontic treatment; vital pulp therapies, and endodontic management by conservative and surgical techniques of pulpless teeth with associated periapical pathology; management of endodontic emergencies particularly the diagnosis; replantation and transplantation of teeth and their subsequent treatment; aetiology and treatment of apical, external and internal tooth resorptive defects; management of root perforations; methods of restoring endodontically treated teeth including discoloured teeth; compromise endodontic procedures and management of the medically compromised patient. History of the discipline and detailed dento-legal reporting will also be emphasised, as will the relationship of endodontics to other clinical disciplines.

DENT 8021AHO/BHO

Specialist Clinical Endodontics VII (6537)

8 units full year

prerequisite: 6813 Specialist Clinical Endodontics VI

DENT 8022AHO/BHO

Specialist Clinical Endodontics VIII (9666)

20 units full year

prerequisite: 6537 Specialist Clinical Endodontics VII

See Specialist Clinical Endodontics VI above for syllabus details

Forensic Odontology

DENT 8030AHO/BHO

Specialist Clinical Forensic Odontology VI (4592)

8 units full year

corequisite: 6154 Research Methods, Experimental Design, & Ethics

Course outline: History of forensic odontology. International legal systems and the coronial system. Relationship of the police to the practice of forensic odontology. Methods of investigation of civil and criminal matters. Preservation and recovery of dental evidence including forensic dental photography. Dental autopsy techniques and principles and practices of forensic dental identification.

Interpretation of dental records. Single and multiple victim identification emphasising management, international protocols and cultural aspects. Computerisation in dental identification. Alternate methods of dental identification, including video and computer imaging in cranio-facial video superimposition. General principles of forensic pathology with emphasis on time of death, time since death, autopsy techniques and injury assessment. Interdisciplinary nature of forensic specialities. The scope and history of physical anthropology. Osteology and anatomy of the skull and face. Comparative anatomy and evolution. The importance of anthropology in disaster victim identification. General principles of oral pathology with particular emphasis on the structure of human skin, patterns of injury and healing. Analysis of biting patterns and forces of the masticatory system. Collection and preservation of bitemark evidence. Principles and techniques of bite mark investigations. Forensic report writing. Presentation of evidence in court. Occupational health and safety. Public speaking and community education in forensic odontology

DENT 8031AHO/BHO

Specialist Clinical Forensic Odontology VII (8453)

8 units full year

prerequisite: 4592 Specialist Clinical Forensic Odontology VI

DENT 8032AHO/BHO

Specialist Clinical Forensic Odontology VIII (4514)

20 units full year

prerequisite: 8453 Specialist Clinical Forensic Odontology VII

See Specialist Clinical Forensic Odontology VI above for syllabus details

General Dental Practice

DENT 8040AHO/BHO

Advanced General Dental Practice VI (7207)

8 units full year

corequisite: 6154 Research Methods, Experimental Design, & Ethics

The course consists of an advanced clinical experience in the comprehensive management of patients, based upon the coordination of skills from individual disciplines. Seminars and clinical tutorials explore a wide range of topics relating to general practice at the Specialist level. Emphasis is placed on treatment planning, case presentations, reviews of completed treatments and prognosis. Candidates will also be required to attend seminars in other clinical specialist disciplines including paediatric dentistry, prosthodontics, oral medicine, oral and maxillofacial surgery, periodontics, and endodontics.

DENT 8041AHO/BHO**Advanced General Dental Practice VII (2546)**

8 units full year

prerequisite: 7207 Advanced General Dental Practice VI**DENT 8042AHO/BHO****Advanced General Dental Practice VIII (1191)**

20 units full year

prerequisite: 2546 Advanced General Dental Practice VII

See Advanced General Dental Practice VI above for syllabus details

Oral & Maxillofacial Surgery**DENT 8050AHO/BHO****Specialist Oral and Maxillofacial Surgery VI (2871)**

8 units full year

prerequisite: successful completion of the Primary Examinations of the Royal Australian College of Dental Surgeons, appointment to a clinical training post, and satisfactory progress with employment at the Royal Adelaide Hospital.*corequisite:* 6154 Research Methods, Experimental Design, & Ethics

The course is designed to teach outpatient and inpatient clinical skills in oral and maxillofacial surgery to the basic surgical science levels. Students initially embark upon a course of study which bridges the teaching of anatomy between the undergraduate program for dentistry and medicine, in particular below clavical gross anatomy. Students are introduced to 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 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. This course is usually taken over two years.

DENT 8051AHO/BHO**Specialist Oral and Maxillofacial Surgery VII (8039)**

8 units full year

prerequisite: 2871 Specialist Oral & Maxillofacial Surgery VI; MBBS AND BDS degrees.

The course 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.

DENT 8052AHO/BHO**Specialist Oral and Maxillofacial Surgery VIII (5904)**

20 units full year

prerequisite: 8039 Specialist Oral & Maxillofacial Surgery VII

See Specialist Oral & Maxillofacial Surgery VI above for syllabus details

Oral Medicine**DENT 8060AHO/BHO****Specialist Oral Medicine VI (4707)**

8 units full year

corequisite: 6154 Research Methods, Experimental Design, & Ethics

Oral Medicine is that specialty in dentistry concerned with the diagnosis and non-surgical management of medically related disorders or conditions affecting the oral and maxillofacial region.

The main objective of this course is to provide students with sufficient knowledge of systemic and oral diseases to enable them to: become competent in recognising the various forms of oral diseases; modify the dental treatments of medically compromised patients; understand the relationships of systemic diseases to the oral cavity, and related tissues; effectively utilise the various diagnostic procedures available; become familiar with the principles of the scientific method as it applies to the practice of dentistry; be knowledgeable about public health hazards and their management in dental practice; understand the occlusal, neuromuscular; articular components of mandibular function; diagnose and non surgically manage orofacial pain and temporomandibular disorders; manage primary oral mucosal diseases and oral mucosal manifestations of systemic diseases.

Specifically, candidates will study the anatomy of the head and neck, the histology and physiology of oral tissues, and basic principles in pathology and immunology. Participation in basic oral histopathology tutorials will be required throughout the course. The clinical component in this first year will consist of introductory oral medicine clinical sessions and related activities.

DENT 8061AHO/BHO**Specialist Oral Medicine VII (6482)**

8 units full year

prerequisite: 4707 Specialist Oral Medicine VI

Students will continue studies outlined in 4707 Specialist Oral Medicine VI, and also undertake instruction in diagnostic imaging, pain control, biopsy techniques, clinical oral medicine, and management of the medically compromised patient. Candidates will also be required to attend weekly Head and Neck cancer clinics, oral histopathology seminars, as well as seminars in specific oral pathology topics. Study of the pathology and management of disease in core body systems will be commenced.

DENT 8062AHO/BHO

Specialist Oral Medicine VIII (8633)

20 units full year

prerequisite: 6482 Specialist Oral Medicine VII

This component of the program builds on the skills and knowledge acquired in the 6482 Specialist Oral Medicine VII at a more advanced clinical level. Students will also be required to undertake Clinico – Pathological case presentations; to study the management of temporomandibular joint disorders; and to undertake further rotations in haematology, immunology, clinical chemistry, and dermatology.

Oral Pathology

DENT 8070AHO/BHO

Specialist Oral Pathology VI (8070)

8 units full year

corequisite: 6154 Research Methods, Experimental Design, & Ethics

This course 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. Candidates are involved in general pathology and all facets of diagnostic oral histopathology. Candidates will also have rotations and attend seminars at the Institute of Medical and Veterinary Sciences (IMVS). At the completion of the course the student will be a competent diagnostician with comprehensive knowledge of all aspects of diagnostic oral histopathology.

Specifically, candidates in their first year will study the histology and physiology of oral tissues, and the histology of major organs. Basic principles in pathology and immunology will be reinforced by attendance at lectures and submission of relevant essays. Students will also study basic systematic general histopathology using appropriate slide sets and other resources. In their first year, candidates will also commence instruction in basic oral histopathology diagnosis.

DENT 8071AHO/BHO

Specialist Oral Pathology VII (6496)

8 units full year

prerequisite: 8070 Specialist Oral Pathology VI

In addition to continuing attendance at diagnostic general and oral histopathology seminars described in 8070 Specialist Oral Pathology VI, candidates will also undertake additional IMVS rotations in immunohistochemistry, cytology, and general anatomic pathology. Students will commence writing formal diagnostic histopathology reports, and continue to review archival and current oral histopathological diagnostic cases. Reporting on general pathology cases will be introduced, and candidates will be expected to present seminars on specific oral pathology topics.

DENT 8072AHO/BHO

Specialist Oral Pathology VIII (9370)

20 units full year

prerequisite: 6496 Specialist Oral Pathology VII

This component of the program builds on the skills and knowledge acquired in the 6496 Specialist Oral Pathology VII course at a more advanced level in terms of case load and diagnostic expertise. Furthermore, candidates will undertake a series of rotations including autopsy procedures and diagnostic electron microscopy, and study advanced topics in histopathology.

Orthodontics

DENT 8080AHO/BHO

Specialist Orthodontics VI (2654)

8 units full year

corequisite: 6154 Research Methods, Experimental Design, & Ethics

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.

DENT 8081AHO/BHO

Specialist Orthodontics VII (9201)

8 units full year

prerequisite: 2654 Specialist Orthodontics VI

DENT 8082AHO/BHO

Specialist Orthodontics VIII (9024)

20 units full year

prerequisite: 9201 Specialist Orthodontics VII

See Specialist Orthodontics VII above for syllabus details

Paediatric Dentistry

DENT 8090AHO/BHO

Specialist Paediatric Dentistry VI (4831)

8 units full year

corequisite: 6154 Research Methods, Experimental Design, & Ethics

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 programmes 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 include preventive dentistry, community dentistry, infant oral health care, aesthetic considerations, minor oral surgery procedures, growth and development of the teeth and jaw, 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 Women's and Children's Hospital, and The Somerton Park School of Dental Therapy.

DENT 8091AHO/BHO

Specialist Paediatric Dentistry VII (2101)

20 units full year

prerequisite: 4831 Specialist Paediatric Dentistry VI

DENT 8092AHO/BHO

Specialist Paediatric Dentistry VIII (4055)

20 units full year

prerequisite: 2101 Specialist Paediatric Dentistry VII

See Specialist Paediatric Dentistry VI above for syllabus details

Periodontics

DENT 8100AHO/BHO

Specialist Periodontics VI (8430)

8 units full year

corequisite: 6154 Research Methods, Experimental Design, & Ethics

This program leads to specialisation in Periodontics; it gives students a contemporary understanding of periodontal diseases and other conditions that are known causes of periodontal attachment loss. The course critically evaluates the validity of clinical procedures currently used in the treatment of the periodontal diseases; it also involves critical evaluation of the current periodontal literature.

Academic aspects of periodontics: detailed anatomy and physiology of the periodontal attachment structures through life; review of contemporary studies of the epidemiology of periodontal diseases; a study of past and present periodontal anthropology; critical review of the evidence supporting the specific plaque hypothesis; evaluation of models for the aetiology of periodontal diseases. Periodontitis in the context of chronic human diseases; review of contemporary immunology and its application to periodontics; review of pathology; critical review of studies of the effectiveness of conventional periodontal therapy; implantology and periodontics; periodontal regeneration; understanding the various causes of periodontal attachment loss and developing skills to differentiate between these causes at the clinical level.

Clinical aspects of periodontics: clinical instruction in all aspects of Clinical Periodontics, focussing on diagnosis, differential diagnosis, treatment planning and the development of clinical surgical skills; clinical instruction in implantology; research project

DENT 8101AHO/BHO

Specialist Periodontics VII (9147)

8 units full year

prerequisite: 8430 Specialist Periodontics VI

DENT 8102AHO/BHO

Specialist Periodontics VIII (3720)

20 units full year

prerequisite: 9147 Specialist Periodontics VII

See Specialist Periodontics VI above for syllabus details

Prosthodontics

DENT 8110AHO/BHO

Specialist Prosthodontics VI (2128)

8 units full year

corequisite: 6154 Research Methods, Experimental Design, & Ethics

This component of the program includes seminars, associated coursework, supervised clinical practice and laboratory experience in the core aspects

of prosthodontics. These include fixed and removable prosthodontics, implantology, the management of craniomandibular disorders and maxillo-facial prosthodontics.

By the completion of the program students will have an understanding of the theoretical basis of prosthodontic practice and will have developed their clinical and laboratory skills in each of the core disciplines.

DENT 8111AHO/BHO
Specialist Prosthodontics VII (8141)

8 units full year

prerequisite: 2128 Specialist Prosthodontics VI

This component of the program builds on the skills and knowledge acquired in the 2128 Specialist Prosthodontics VI course and introduces students to more advanced aspects of prosthodontics through seminars, coursework, clinical practice and laboratory experience. The program also gives students an opportunity to extend their understanding of a range of associated topics in areas of dentistry, medicine and other allied health disciplines.

By the completion of the program students will have an in depth knowledge of the theoretical basis of prosthodontic practice and will have developed their clinical and laboratory skills to an advanced level through experience in all aspects of prosthodontics.

DENT 8112AHO/BHO
Specialist Prosthodontics VIII (3720)

20 units full year

prerequisite: 8141 Specialist Prosthodontics VII

This component of the program allows students to consolidate their expertise in all of the aspects of prosthodontics through continuing seminars, coursework, clinical practice and laboratory experience. The program also gives selected students an opportunity to extend their experience through appropriate extra-mural practice under the guidance of selected mentors.

By the completion of the program students will have the knowledge and skill required for independent specialist practice in prosthodontics.

Research courses

DENT 8004HO
Doctor of Clinical Dentistry Research A (8869)

6 units 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.

DENT 8005HO
Doctor of Clinical Dentistry Research B (3593)

6 units semester 1 or 2

10 hours per week

prerequisite: 8869 D Clin Dent Research A

Students will continue a research project related to the discipline named on the degree.

assessment: demonstration of progress within research project, completion of literature review.

DENT 8006HO
Doctor of Clinical Dentistry Research C (8330)

6 units semester 1 or 2

10 hours per week

prerequisite: 3593 D Clin Dent 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.

DENT 8007HO
Doctor of Clinical Dentistry Research D (7284)

6 units semester 1 or 2

10 hours per week

prerequisite: 8330 D Clin Dent Research C

Students will continue a research project related to the discipline named on the degree.

assessment: completion of research project including submission of doctoral thesis to the Dental School, or a summary and acceptance of two articles in internationally refereed journals in accordance with Specific Academic Program Rule 3 of the degree, assessment to satisfaction of the Doctoral Examination Committee.

School of Economics

Website: www.adelaide.edu.au/econ

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Please refer to the Graduate Studies section (see Contents) for Academic Program Rules

Postgraduate awards in the School of Economics

Graduate Certificate in Economics

Graduate Certificate in International Economics

Graduate Diploma in Advanced Economics

Graduate Diploma in Applied Economics

Graduate Diploma in International Economics

Master of Applied Economics

Master of Applied Economics (International)

Master of Economics

Master of Economics (Coursework)

Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General Academic Rules to the Convenor of Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific General Academic 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

Graduate Certificate in Economics

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

- 1.1** To qualify for the Graduate Certificate a candidate shall complete satisfactorily a program of full-time study extending over at least one semester or of part-time study extending over at least two semesters.

2 Admission

- 2.1** Except as provided in 2.2 below, an applicant for admission to the program 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.

- 2.2** 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.

- 2.3** 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.

- 2.4** A knowledge of SACE Stage 2 Mathematics I or equivalent is assumed.

2.5 Status, exemption and credit transfer

- 2.5.1** A candidate who has passed courses in other educational institutions and who has not presented these courses 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 units under 4.2 of the Specific Program Rules.

- 2.5.2** No candidate will be permitted to count for the Graduate Certificate in Economics any course that in the opinion of the School contains substantially the same material as any other course which has been presented already for another qualification.

2.6 Articulation with other awards

Candidates intending to continue on to a graduate Diploma or Master's degree are advised strongly to consult the course requirements for those programs to ensure they complete the compulsory courses satisfactorily.

3 Assessment and examinations

- 3.1** There shall be four classifications of pass in the final assessment of any course 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 Program 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 course and wishes to repeat the course 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 course for the Graduate Certificate or for any other course which in the opinion of the School contains a substantial amount of the same material, may not enrol for that course except by permission of the School and then only under such conditions as School may prescribe.

4 Qualification requirements

To qualify for the Graduate Certificate in Economics the candidate shall satisfactorily complete the following.

4.1 Academic Program

- 4.1.1** Four one-semester courses (a minimum of twelve units) which shall comprise lectures and tutorials in any of the following courses not previously completed.

ECON 7001 Applied Econometrics IIID*	3
ECON 7002 Economics of Law and Politics IIID	3
ECON 7011 Microeconomics IID	3
ECON 7016 Economic Theory and the Environment IIID	3
ECON 7017 Special Topics IIID	3
ECON 7022 Econometrics IIID*	3
ECON 7032 Public Finance IIID	3
ECON 7037 Special Topics in Financial Economics IIID	3
ECON 7039 Special Topics IID	3
ECON 7042 Risk Theory IIID	3
ECON 7044 International Finance IIID	3
ECON 7047 Employment Relations IID	3
ECON 7050 International Economic History IIID	3
ECON 7051 Economic Data Analysis IID*	3
ECON 7052 East Asian Economies IID	3
ECON 7058 Development Economics IIID	3
ECON 7062 Business and Government IIID	3
ECON 7070 Labour Economics IIID	3
ECON 7071 Macroeconomics IID	3
ECON 7072 International Trade IIID	3
ECON 7074 Business Data Analysis ID*	3
ECON 7075 Mathematical Economics IID*	3
ECON 7076 Australian Economic History IID	3
ECON 7080 Economics of Finance IIID	3
ECON 7096 Economic Theory IIID	3
ECON 7114 Money, Banking & Financial Markets IIID	3
ECON 7125 Applied Microeconomics IIID	3

*students are reminded that some mathematical and statistical background is desirable for these courses.

Note: check with the School of Economics for course availability each year.

4.1.2 A candidate may, with the permission of the Dean of School, substitute one four unit course drawn from 4.2 of the Specific Academic Program Rules of the Graduate Diploma in Advanced Economics as a 3 unit course towards the Certificate.

4.2 The syllabus entries for all courses are to be found in the syllabuses of the B.Ec. or B.Fin. degrees by removing the D from the course 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 course selection

4.3 The number of courses 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 course for courses specified in 4.1 above.

Graduate Certificate in International Economics

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of Program

A candidate for the Graduate Certificate shall complete satisfactorily a program 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.

2 Admission

- 2.1** Except as provided in 2.2 below, an applicant for admission to the program 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.
- 2.2** 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.
- 2.3** 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.
- 2.4** A knowledge of SACE Stage 2 Mathematics 1 or its equivalent is assumed.
- 2.5 Status, exemption and credit transfer**
- 2.5.1** A candidate who has passed courses in other educational institutions and who has not presented these courses 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 units under 4.2 of the Specific Academic Program Rules.
- 2.5.2** No candidate will be permitted to count for the Graduate Certificate in International Economics any course that in the opinion of the School contains substantially the same material as any other course which he or she has presented already for another qualification.

2.6 Articulation with other awards

Candidates intending to continue on to a Graduate Diploma or Master's degree are advised strongly to consult the course requirements for those programs to ensure they complete the compulsory courses satisfactorily.

3 Assessment and examinations

- 3.1** There shall be four classifications of pass in the final assessment of any course 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 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 Academic Program Rules of the Certificate.
- 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 course and wishes to repeat the course 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 course for the Graduate Certificate or for any other course which in the opinion of the School contains a substantial amount of the same material, may not enrol for that course except by permission of the School and then only under such conditions as School may prescribe.

4 Qualification requirements

- 4.1** To qualify for the Graduate Certificate in International Economics the candidate shall satisfactorily complete four one-semester courses (a minimum of twelve units) which shall comprise the following.

4.2 Academic Program

- 4.2.1 (a) at least one of the following International Economics courses (or their equivalent):
- | | |
|---|---|
| ECON 7044 International Finance IIID | 3 |
| ECON 7072 International Trade IIID | 3 |
| ECON 7036 International Trade and Investment Policy IID | 3 |
| ECON7061 The Global Trading System IIID | 3 |
- (b) at least three of the following courses not previously or otherwise completed (9 units):
- | | |
|---|---|
| ECON 7001 Applied Econometrics IIID* | 3 |
| ECON 7002 Economics of Law and Politics IIID | 3 |
| ECON 7016 Economic Theory and the Environment IIID | 3 |
| ECON 7017 Special Topics IIID | 3 |
| ECON 7022 Econometrics IIID* | 3 |
| ECON 7032 Public Finance IIID | 3 |
| ECON 7036 International Trade and Investment Policy IID | 3 |
| ECON 7037 Special Topics in Financial Economics IIID | 3 |
| ECON 7039 Special Topics IID | 3 |
| ECON 7042 Risk Theory IIID | 3 |
| ECON 7044 International Finance IIID | 3 |
| ECON 7052 East Asian Economies IID | 3 |
| ECON 7050 International Economic History IIID | 3 |
| ECON 7051 Economic Data Analysis IID* | 3 |
| ECON 7058 Development Economics IIID | 3 |
| ECON 7061 The Global Trading System IIID | 3 |
| ECON 7071 Macroeconomics IID | 3 |
| ECON 7072 International Trade IIID | 3 |
| ECON 7080 Economics of Finance IIID | 3 |
| ECON 7096 Economic Theory IIID | 3 |
| ECON 7114 Money, Banking & Financial Markets IIID | 3 |

*students are reminded that some mathematical and statistical background is desirable for these courses.

Note: check with the School of Economics for course availability each year.

- (c) A candidate may, with the permission of the Dean of School substitute one four unit course drawn from 4.2 of the Specific Academic Program Rules of the Graduate Diploma in Advanced Economics as a 3 unit course towards the Certificate.

- 4.3 The syllabus entries for all courses are to be found in the syllabuses of the B.Ec. or B.Fin degrees by removing the D from the course 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 course selection.

- 4.4 The number of courses to be offered in any semester will be dependent upon staff availability and student demand.

- 4.5 In special circumstances, candidates may be given permission to substitute another course for courses specified in 4.2 above.

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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

- 1.1 To qualify for the Graduate Diploma in Advanced Economics a candidate shall satisfactorily complete a program of full-time study extending over at least two semesters or of part-time study extending over at least four semesters.

2 Admission requirements

- 2.1 An applicant for admission to the program 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. The degree must contain a major in Economics.
- 2.2 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 2.1 above but who has given evidence satisfactory to the School of fitness to undertake work for the Graduate Diploma.
- 2.3 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.

2.4 Status, exemption and credit transfer

- 2.4.1 A candidate who has passed courses in other educational institutions and who has not presented these courses towards an award may, on written application to the School, be granted such exemption from the requirements of these Specific Program Rules as the School shall determine. Status may be granted for a maximum of 8 units under 4.2 below.
- 2.4.2 No candidate will be permitted to count for the Graduate Diploma in Advanced Economics any course that in the opinion of the School contains substantially the same material as any other course 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.

2.5 Articulation with other awards

- 2.5.1 A candidate holding a Graduate Certificate in Economics or International Economics or Graduate Diploma in Applied or International Economics may count courses passed in these programs toward the Graduate Diploma upon surrender of the other award.
- 2.5.2 Candidates intending to continue on to a Master's degree are advised strongly to consult the course requirements for such programs to ensure they complete the compulsory courses satisfactorily.
- 2.5.3 Candidates currently enrolled in the Graduate Diploma in Economics will proceed under the regulations and schedules in force at the date of enrolment.

3 Assessment and examinations

- 3.1 There shall be four classifications of pass in the final assessment of any course 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 Academic Program 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 course and wishes to repeat the course 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 course or division of a course may not enrol for that course again except by special permission to be obtained in writing from the School and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 To qualify for the Graduate Diploma in Advanced Economics the candidate shall complete satisfactorily six semester courses (24 units) which shall comprise lectures and tutorials in the following.

4.2 Academic Program

- 4.2.1 (a) the following two compulsory core courses (8 units):
- | | |
|--------------------------------|---|
| ECON 7025 Microeconomics A (H) | 4 |
| ECON 7059 Macroeconomics A (H) | 4 |
- (b) One of the following quantitative courses (four units):
- | | |
|-------------------------------------|---|
| ECON 7010 Econometrics (H) | 4 |
| ECON 7038 Econometrics IIIA | 4 |
| ECON 7082 Applied Econometrics IIIA | 4 |
- (c) at least two courses, not previously or otherwise completed, chosen from the list (a minimum of 8 units) including the presentation of a research essay in at least one of the courses:
- | | |
|---------------------------------------|---|
| ECON 7009 Mathematical Economics (H) | 4 |
| ECON 7010 Econometrics (H) | 4 |
| ECON 7015 Industrial Organisation (H) | 4 |
| ECON 7024 Special Topics (H) | 4 |
| ECON 7034 Monetary Economics (H) | 4 |
| ECON 7043 Environmental Economics (H) | 4 |
| ECON 7053 Long Run Growth (H) | 4 |
| ECON 7055 International Trade (H) | 4 |
| ECON 7056 International Finance (H) | 4 |
| ECON 7065 Public Economics (H) | 4 |
| ECON 7077 Economic Development (H) | 4 |
| ECON 7104 Labour Economics (H) | 4 |
- (d) one other course not previously or otherwise completed, from those listed above in 4.2 or from the following (4 units):
- | | |
|--|---|
| ECON 7003 Special Topics | |
| in Financial Economics IIIA | 4 |
| ECON 7005 Economic Theory & the Environment IIIA | 4 |
| ECON 7006 Risk Theory IIIA | 4 |
| ECON 7007 International Finance IIIA | 4 |
| ECON 7031 Economics of Law and Politics IIIA | 4 |
| ECON 7038 Econometrics IIIA | 4 |
| ECON 7066 Economics of Finance IIIA | 4 |
| ECON 7069 International Trade IIIA | 4 |
| ECON 7082 Applied Econometrics IIIA | 4 |
| ECON 7088 Business and Government IIIA | 4 |
| ECON 7089 Development Economics IIIA | 4 |

ECON 7095 Economic Theory IIIA	4
ECON 7099 International Economic History IIIA	4
ECON 7105 Labour Economics IIIA	4
ECON 7113 Money, Banking and Financial Markets IIIA	4
ECON 7116 Public Finance IIIA	4

Note: check with the School of Economics for course availability each year

4.3 The syllabus entries for (H) courses are found under the Master of Applied Economics. The syllabus entries for IIIA courses are found in the syllabuses of the degrees of Bachelor of Economics and Bachelor of Finance, by removing the A from the course name (eg, for Applied Econometrics IIIA see the syllabus for 4883 Applied Econometrics III in 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 course selection.

4.4 The number of courses to be offered in any semester will be dependent upon the availability of staff and student demand.

4.5 In special circumstances, candidates may be given permission to substitute another course for courses specified in 4.2 above.

Graduate Diploma in Applied Economics

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 **Duration of program**

To qualify for the Graduate Diploma a candidate shall complete satisfactorily a program of full-time study extending over at least two semesters or of part-time study extending over at least four semesters.

2 **Admission**

2.1 An applicant for admission to the program 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

2.2 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.

2.3 A knowledge of SACE Stage 2 Mathematics 1 or equivalent is assumed.

2.4 **Status, exemption and credit transfer**

2.4.1 A candidate who has passed courses in other educational institutions and who has not presented these courses 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 units under 4.2 of the Specific Academic Program Rules.

2.4.2 No candidate will be permitted to count for the Graduate Diploma in Applied Economics any course that in the opinion of the School contains substantially the same material as any other course 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.

2.5 **Articulation with other awards**

2.5.1 A candidate holding a Graduate Certificate in Economics or International Economics may count courses passed in the Graduate Certificate toward the Graduate Diploma upon surrender of the Graduate Certificate.

2.5.2 Candidates intending to continue on to a Master's degree are advised strongly to consult the course requirements for such programs to ensure they complete the compulsory courses satisfactorily.

2.5.3 Candidates currently enrolled in the Graduate Diploma in Economics will proceed under the regulations and schedules in force at the date of enrolment.

3 **Assessment and examinations**

3.1 There shall be four classifications of pass in the final assessment of any course 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 Academic Program 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 course and wishes to repeat the course 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 course or division of a course may not enrol for that course again except by special permission to be obtained in writing from the School and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 To qualify for the Graduate Diploma in Applied Economics the candidate shall complete satisfactorily eight semester courses (a minimum of 24 units) which shall comprise lectures and tutorials in the following.

4.2 Academic Program

- 4.2.1 (a) the following two compulsory core courses (6 units):
- | | |
|------------------------------|---|
| ECON 7011 Microeconomics IID | 3 |
| ECON 7071 Macroeconomics IID | 3 |
- (b) one of the following quantitative courses (3 units):
- | | |
|---------------------------------------|---|
| ECON 7001 Applied Econometrics IIID* | 3 |
| ECON 7022 Econometrics IIID* | 3 |
| ECON 7051 Economic Data Analysis IID* | 3 |
| ECON 7074 Business Data Analysis ID | 3 |
| ECON 7075 Mathematical Economics IID* | 3 |
- (c) at least five courses not previously or otherwise completed (15 units) chosen from the following list, of which at least three courses (9 units) must be IIID courses:
- | | |
|---|---|
| ECON 7001 Applied Econometrics IIID* | 3 |
| ECON 7016 Economic Theory and the Environment IIID | 3 |
| ECON 7017 Special Topics IIID | 3 |
| ECON 7022 Econometrics IIID* | 3 |
| ECON 7032 Public Finance IIID | 3 |
| ECON 7036 International Trade and Investment Policy IID | 3 |
| ECON 7037 Special Topics in Financial Economics IIID | 3 |
| ECON 7039 Special Topics IID | 3 |
| ECON 7042 Risk Theory IIID | 3 |
| ECON 7044 International Finance IIID | 3 |
| ECON 7047 Employment Relations IID | 3 |
| ECON 7050 International Economic History IIID | 3 |
| ECON 7051 Economic Data Analysis IID* | 3 |
| ECON 7052 East Asian Economies IID | 3 |
| ECON 7058 Development Economics IIID | 3 |
| ECON 7062 Business and Government IIID | 3 |
| ECON 7070 Labour Economics IIID | 3 |
| ECON 7072 International Trade IIID | 3 |
| ECON 7075 Mathematical Economics IID* | 3 |
| ECON 7080 Economics of Finance IIID | 3 |
| ECON 7096 Economic Theory IIID# | 3 |

ECON 7114 Money, Banking and Financial Markets IIID 3

* these courses are available for students with some mathematical and statistical background.

highly recommended

Note: students are recommended to check with the School of Economics for course availability each year.

(d) A candidate may substitute one or more 4 unit course drawn from 6.2.4 of the Specific Academic Program Rules of the Master of Applied Economics as a 3 unit course towards the Diploma.

4.3 The syllabus entries for all courses are found in the syllabuses of the degrees of Bachelor of Economics and Bachelor of Finance by removing the D from the course 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 course selection.

4.4 The number of courses to be offered in any semester will be dependent upon staff availability and student demand.

4.5 In special circumstances, candidates may be given permission to substitute another course for courses specified in 4.2 above.

Graduate Diploma in International Economics

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of Program

To qualify for the Graduate Diploma a candidate shall complete satisfactorily a program of full-time study extending over at least two semesters or of part-time study extending over at least four semesters.

2 Admission

2.1 An applicant for admission to the program 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. The degree need not contain a major in Economics.

2.2 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.

2.3 A knowledge of SACE Stage 2 Mathematics I or its equivalent is assumed.

2.4 Status, exemption and credit transfer

2.4.1 A candidate who has passed courses in other educational institutions and who has not presented these courses 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 units under 4.2 of the Specific Program Rules.

2.4.2 No candidate will be permitted to count for the Graduate Diploma in International Economics any course that in the opinion of the School contains substantially the same material as any other course 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.

2.5 Articulation with other awards

2.5.1 A candidate holding a Graduate Certificate in Economics or International Economics may count courses passed in the Graduate Certificate toward the Graduate Diploma upon surrender of the Graduate Certificate.

2.5.2 Candidates intending to continue on to a Master's degree are advised strongly to consult the course requirements for such programs to ensure they complete the compulsory courses satisfactorily.

2.5.3 Candidates currently enrolled in the Graduate Diploma in Economics will proceed under the regulations and schedules in force at the date of enrolment.

3 Assessment and examinations

3.1 There shall be four classifications of pass in the final assessment of any course 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 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 Program Rules of the Diploma.

- 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 course and wishes to repeat the course 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 course or division of a course may not enrol for that course again except by special permission to be obtained in writing from the School and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 To qualify for the Graduate Diploma in International Economics the candidate shall complete satisfactorily eight semester courses (a minimum of 24 units) which shall comprise the following.

4.2 Academic Program

- 4.2.1 (a) at least two of the following International Economics courses or their equivalents (6 units):
- | | |
|---|---|
| ECON 7036 International Trade and Investment Policy IID | 3 |
| ECON 7044 International Finance IIID | 3 |
| ECON 7061 The Global Trading System IIID | 3 |
| ECON 7072 International Trade IIID | 3 |
- (b) ECON 7011 Microeconomics IID (or equiv.) 3
- (c) at least one of the following quantitative courses or their equivalents (3 units):
- | | |
|---------------------------------------|---|
| ECON 7001 Applied Econometrics IIID* | 3 |
| ECON 7022 Econometrics IIID* | 3 |
| ECON 7051 Economic Data Analysis IID* | 3 |
- (d) at least four of the following courses not previously or otherwise completed (a minimum of 12 units):
- | | |
|---|---|
| ECON 7001 Applied Econometrics IIID* | 3 |
| ECON 7016 Economic Theory and the Environment IIID | 3 |
| ECON 7017 Special Topics IIID | 3 |
| ECON 7022 Econometrics IIID* | 3 |
| ECON 7032 Public Finance IIID | 3 |
| ECON 7036 International Trade and Investment Policy IID | 3 |
| ECON 7039 Special Topics IID | 3 |
| ECON 7042 Risk Theory IIID | 3 |
| ECON 7044 International Finance IIID | 3 |
| ECON 7050 International Economic History III D | 3 |
| ECON 7052 East Asian Economies IID | 3 |
| ECON 7058 Development Economics IIID | 3 |
| ECON 7061 The Global Trading System IIID | 3 |
| ECON 7071 Macroeconomics IID | 3 |
| ECON 7072 International Trade IIID | 3 |
| ECON 7080 Economics of Finance IIID | 3 |
| ECON 7096 Economic Theory IIID# | 3 |
| ECON 7114 Money, Banking and Financial Markets IIID | 3 |

* these courses are available for students with some mathematical and statistical background

highly recommended

Note: students are strongly recommended to check with the School of Economics for course availability each year.

(e) A candidate may substitute one or more 4 unit courses drawn from 6.2.4 of the Specific Academic Program Rules of the Master of Applied Economics as a 3 unit course in the Diploma.

4.3 The syllabus entries for all courses are found in the syllabuses of the degrees of Bachelor of Economics and Bachelor of Finance by removing the D from the course 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 course selection.

4.4 The number of courses to be offered in any semester will be dependent upon staff availability and student demand.

4.5 In special circumstances, candidates may be given permission to substitute another course for courses specified in 4.2 above.

Syllabuses

ECON 7061

The Global Trading System IIID (7456)

3 units not offered in 2002

2 x 90-minute lectures/seminars a week

corequisite: 2419 Microeconomics IID

The course 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: set in consultation with students

Master of Applied Economics

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 General

- 1.1 Each candidate will be required to undertake during university vacations such studies as may be prescribed.
- 1.2 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 Applied Economics.

2 Duration of program

- 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 two semesters and not more than six semesters 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 four semesters and not more than twelve semesters from the date of candidature accepted by the School.

3 Admission

- 3.1 The School may accept as a candidate for the degree any graduate who:
- (a) has qualified for the degree Bachelor of Economics of Adelaide University 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 School regards as being equivalent to the degree Bachelor of Economics of Adelaide University *or*
- (c) has qualified for a joint degree in Economics of Adelaide University or its equivalent from another university, supplemented by the satisfactory completion of bridging coursework as the School may deem necessary (courses to be specified by the Dean of School) *or*
- (d) has qualified for a degree of Adelaide University or a degree of another institution accepted by the School 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 School. The degree need not contain a major in Economics but must be supplemented by the satisfactory completion of bridging coursework as the School may deem necessary (courses to be specified by the Dean of School) *or*

- (e) has qualified for either of the Graduate Diplomas in Applied or International Economics from Adelaide University or their equivalent from another university.

- 3.2 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.

3.3 Status, exemption and credit transfer

A candidate who has passed courses in other educational institutions and who has not presented these courses 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 two courses under 6.2 of the Specific Academic Program Rules.

4 Enrolment

- 4.1 A candidate's program of study must be approved by the Dean of the School (or nominee) at enrolment each year.

5 Assessment and examinations

- 5.1 On completion of the work, the candidate shall lodge with the School three copies of the dissertation or project prepared in accordance with the directions given to candidates by the School.
- 5.2 Results of those who pass in any of the courses shall be published within the following classifications: High Distinction, Distinction, Credit, Pass.
- 5.3 To satisfy the coursework component of the degree, a candidate must pass each of the prescribed courses and obtain an average equivalent to a credit or better.

5.4 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 course.

5.5 Review of academic progress

A candidate's progress shall be reviewed by the School at the end of each year. If in the opinion of the School, 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.

6 Qualification requirements

6.1 To qualify for the degree of Master of Applied Economics, the candidate shall complete satisfactorily a program of study which shall consist of courses as follows.

6.2 Academic Program

6.2.1	ECON 7096 Economic Theory IIID	3
6.2.2	one of the following quantitative courses:	
	ECON 7001 Applied Econometrics IIID	3
	ECON 7010 Econometrics A (H)	4
	ECON 7022 Econometrics IIID	3
	ECON 7093 Econometrics B (H)	4
	ECON 7094A/B Econometrics C (H)	4
6.2.3	one elective course not previously or otherwise completed (3 units) to be chosen from the following list:	
	ECON 7001 Applied Econometrics IIID	3
	ECON 7016 Economic Theory and the Environment IIID	3
	ECON 7017 Special Topics IIID	3
	ECON 7022 Econometrics IIID	3
	ECON 7032 Public Finance IIID	3
	ECON 7037 Special Topics in Financial Economics IIID	3
	ECON 7042 Risk Theory IIID	3
	ECON 7044 International Finance IIID	3
	ECON 7050 International Economic History IIID	3
	ECON 7058 Development Economics IIID	3
	ECON 7062 Business and Government IIID	3
	ECON 7070 Labour Economics IIID	3
	ECON 7072 International Trade IIID	3
	ECON 7080 Economics of Finance IIID	3
	ECON 7114 Money, Banking and Financial Markets III D	3
	ECON 7125 Applied Microeconomics IIID	3

Note: Level IIID courses involve work and assessment in addition to that which is required in Level III courses.

6.2.4 two elective courses not previously or otherwise completed (8 units) to be chosen from the following list.

ECON 7009 Mathematical Economics (H)	4
ECON 7010 Econometrics A (H)	4
ECON 7015 Industrial Organisation (H)	4
ECON 7024 Special Topics (H)	4
ECON 7025 Microeconomics A (H)	4
ECON 7043 Environmental Economics (H)	4
ECON 7053 Long Run Growth (H)	4
ECON 7055 International Trade (H)	4
ECON 7056 International Finance (H)	4
ECON 7059 Macroeconomics A (H)	4
ECON 7077 Economic Development (H)	4
ECON 7093 Econometrics B (H)	4
ECON 7094A/B Econometrics C (H)	4
ECON 7104 Labour Economics (H)	4

Note: The precise number of courses 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.

6.2.5 one other elective course not previously or otherwise completed to be chosen from either 6.2.3 or 6.2.4.

6.2.6 either

Supervised Research Program and Dissertation thereon:

ECON 7049 Master of Applied Economics Dissertation A	16
ECON 7128A/B Master of Applied Economics Dissertation (Part-time)	16
or	
(i) ECON 7084 Master of Applied Economics Dissertation B	12
ECON 7129A/B Master of Applied Economics Dissertation B (Part-time)	12

plus

(ii) one additional unit from 6.2.4

or

(iii) two additional units from 6.2.3

or

(i) Project to the value of 8 units:

ECON 7048 Master of Applied Economics Project 8

ECON 7136A/B Master of Applied Economics Project (Part-time) 8

plus

(ii) Two additional courses from 6.2.4 8

or

(iii) Three additional courses from 6.2.3 9

or

(iv) Any combination of additional courses from 6.2.3 or 6.2.4 to the value of at least 8 units 8

6.3 A candidate who has completed a Bachelor's degree which includes a major in economics, or the Graduate Certificate in Economics or International Economics, or the Graduate Diploma in Applied Economics or International Economics, may be granted status in up to four courses specified in 6.2.3 towards the degree. Results obtained in these courses must be of a standard deemed acceptable by the Dean of the School for the purposes of granting status.

6.4 In special circumstances, candidates may be given permission to substitute another course for courses listed in 6.2.1, 6.2.2 and 6.2.3 above.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

ECON 7009

Mathematical Economics (H) (2275)

4 units semester 1

2-hour lecture a week

prerequisite: as approved by course coordinator

assumed knowledge: equivalent to undergraduate major in Economics

This course deals with dynamic economic models. The main technical tool is optimal control. Some familiarity with multivariable calculus and some knowledge of integrals are desirable. There is no other prerequisite. The first part of the course will be spent on a slow introduction to optimal control with applications to resource economics. The second part will deal with the 'new' growth theory endogenous growth and will thus attempt to explain several mechanisms at the origin of economic growth as well as studying policies which could enhance it.

assessment: weekly assignments, mid-semester exam, final exam.

ECON 7010

Econometrics A (H) (2341)

4 units semester 1

ECON 7093

Econometrics B (H) (6314)

4 units semester 2

ECON 7094A/B

Econometrics C (H) (6321)

4 units full year

2-hour lecture a week

restriction: 6321 Econometrics C (H) may not be counted with either 2341 Econometrics A (H) or 6314 Econometrics B (H)

Econometrics A (H) - Econometric modelling of Cross-section and panel data. This course has two objectives: to equip students for carrying out applied econometric research, and to provide students with sufficient theoretical background that they recognise models as fitting within a common body of principles. The first part of the course will cover basic techniques in regression analysis.

Discussion of the issues that arise in estimating models will be motivated by economic applications. The second half of the course will cover some of the rich variety of models that are often used when the linear model proves inadequate or inappropriate. These include models for discrete dependent variables, (probit, logit, multinomial logit, ordered probit), and limited dependent variables models for truncated and censored samples. These econometric models will be motivated by economic applications, with particular reference to labour economics and health economics.

Econometrics B (H) - Time Series for Finance and Economics. This course will introduce a wide range of techniques that are commonly used for modelling and forecasting in applied finance and economics. The first half of the course will cover topics like forecast appraisal, Box-Jenkins methods, lag order selection and a discussion of Hendry's approach to applied data analysis. Concepts such as unit roots and cointegration will also be introduced. The second half of the course will build on the first half but will be more theoretical in nature. It will cover asymptotic theory of cointegration tests, VARs, ECMs, Johansen's methodology, ARCH/GARCH models, stochastic and random coefficient models.

Econometrics C (H) comprises the first half of Econometrics A and the first half of Econometrics B as shown above.

assessment: assignments or 2 x 2 hour exams

ECON 7015

Industrial Organisation (H) (2683)

4 units semester 2

2-hour lecture a week

assumed knowledge: undergraduate major in Economics (or equiv)

Instead of emphasising the paradigm of perfect competition, and studying the infrequent departures from it, we begin with the central premise that industrial organisation is fundamentally about imperfect competition.

Game theory is designed precisely to analyse strategic rivalry, and the course makes extensive use of modern game theory. The student will be challenged with rigorous analytical standards, the instructor will give students the tools to develop insight into many aspects of observed firm behaviour. This course has, therefore, two main objectives: (1) to introduce fundamental concepts in game theory; and (2) to examine important issues in the organisation of firms and markets.

assessment: midterm exam 20%, final exam 70%, assignment 10%

ECON 7024

Special Topics (H) (3634)

4 units not offered in 2002

2 lectures, 1 tutorial a week

prerequisite: as approved by course coordinator

This course 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

ECON 7025**Microeconomics A (H) (3711)**

4 units semester 1

2-hour lecture a week

prerequisite: as approved by course coordinator

This course will present the economic theory which is the basis for empirical work in production analysis and consumption analysis. Some of the structure of international trade models will also be presented. Insight will also be gained into the structure of modern economic models. The main paradigm used in the course will be duality theory. The level of presentation will be formal but the intuitive aspects of the results will be strongly stressed. There are no particular mathematical prerequisites except for some familiarity with matrix notation and an elementary knowledge of multivariate calculus. Additional topics will be treated in Catch-up Maths course (Orientation week), which is compulsory and essential.

assessment: 1.5 hour mid-semester exam, 3-hour final exam**ECON 7043****Environmental Economics (H) (5605)**

4 units not offered in 2002

2-hour lecture a week

assumed knowledge: undergraduate major in Economics (or equiv)

Syllabus details to be advised

ECON 7048**Master of Applied Economics Project (5895)**

8 Units semester 1 or 2

ECON 7136A/B**Master of Applied Economics Project (Part-time) (8635)**

8 units full year

prerequisite: as approved by Economics Postgraduate Coordinator

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 Dean of School.

assessment: project paper**ECON 7049****Master of Applied Economics Dissertation A (6053)**

16 Units

ECON 7128A/B**5625 Master of Applied Economics Dissertation A (Part-time)**

16 Units full year

prerequisite: as approved by Economics Postgraduate Coordinator

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 Dean of School.

assessment: dissertation**ECON 7053****Long Run Growth (H) (6670)**

4 units semester 1

2-hour lecture a week

prerequisite: as approved by course coordinator*assumed knowledge:* equivalent to undergraduate major in Economics

This course 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 inquiry. Topics covered include a survey of economists' writings on growth and convergence; case studies of long run growth and decline (including Britain, the US south, Argentina); and wider perspectives on growth (including the role of natural resources, technology, institutions, interest groups, and cultural factors).

assessment: mid-term essay 25%, three-hour final exam 75%**ECON 7055****International Trade (H) (6692)**

4 units semester 1

2-hour lecture a week

prerequisite: as approved by course coordinator*assumed knowledge:* undergraduate major in Economics (or equiv)

This course seeks to provide the tools necessary to obtain a clear understanding of what determines the way international trade patterns evolve through time as economies grow. That requires drawing on and strengthening our knowledge of (a) trade and growth theories, (b) the economics and political economy of foreign trade and investment policies, and (c) quantitative modelling of global trade flows.

assessment: 90 min. mid-semester exam 30% (redeemable), 3-hour final exam 70% (or 100% if better than mid-sem grade)

ECON 7056**International Finance (H) (6747)**

4 units semester 2

2-hour lecture a week

prerequisite: as approved by course coordinator*assumed knowledge:* undergraduate major in Economics (or equiv)

This course will cover theoretical and empirical analyses of exchange rate determination from economic fundamentals, and exchange rates and other international financial instruments from an asset-pricing perspective. The latter will include discussion of time-varying risk premia, the Efficient Markets Hypothesis, and predicability of volatility of international asset prices. Equilibrium asset pricing models will be derived in the international context, and international diversification will be studied. Where possible, emphasis will be on emerging markets and comparing their behaviour to that of the developed markets.

assessment: final exam 65%, research project 35%**ECON 7059****Macroeconomics A (H) (7264)**

4 units semester 1

2-hour lecture a week

prerequisite: as approved by course coordinator*assumed knowledge:* undergraduate major in Economics (or equiv)

This course serves as an introduction to more advanced methods and theories. Techniques include a more formal treatment of comparative statics, dynamics and stability analysis and will involve matrix algebra as well as simple differential and difference equations. Topics include extensions to some familiar models such as IS-LM, AD-AS or Mundell-Fleming; a more formal application of the rational expectations hypothesis in a variety of contexts and an introduction to developments in growth theory.

assessment: mid-term and final exam**ECON 7077****Economic Development (H) (9712)**

4 units semester 2

2-hour lecture a week

assumed knowledge: undergraduate major in Economics (or equiv)

This course will focus on theories of economic growth, with particular emphasis on the new growth theories of the last dozen years and their application to East Asian economic development.

assessment: take-home assignment 33.33% , final exam 66.66%**ECON 7084****Master of Applied Economics Dissertation B (5651)**

12 Units 1 or 2

ECON 7129A/B**Master of Applied Economics Dissertation B (Part-time) (5669)**

12 Units full year

prerequisite: as approved by Economics Postgraduate Coordinator

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 Dean of School.

assessment: dissertation**ECON 7104****Labour Economics (H) (4054)**

4 units not offered in 2002

2-hour lecture a week

prerequisite: as approved by course coordinator*assumed knowledge:* undergraduate major in Economics (or equiv)

An advanced treatment of current topics in labour economics.

assessment: set in consultation with students - usually based on a research project and final exam

Master of Applied Economics (International)

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 General

- 1.1 Each candidate will be required to undertake during university vacations such studies as may be prescribed.
- 1.2 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 Applied Economics (International).

2 Duration of program

- 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 two semesters and not more than six semesters 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 four semesters and not more than twelve semesters from the date of candidature accepted by the School.

3 Admission

- 3.1 The School may accept as a candidate for the degree any graduate who:
- (a) has qualified for the degree Bachelor of Economics of Adelaide University 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 School regards as being equivalent to the degree Bachelor of Economics of Adelaide University *or*
- (c) has qualified for a joint degree in Economics of Adelaide University or its equivalent from another university, supplemented by the satisfactory completion of bridging coursework as the School may deem necessary (courses to be specified by the Dean of School *or*
- (d) has qualified for a degree of Adelaide University or a degree of another institution accepted by the School 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 School. The degree need not contain a major in Economics but must be supplemented by the satisfactory completion of bridging coursework as the School may deem necessary (courses to be specified by the Dean of School) *or*

- (e) has qualified for either of the Graduate Diplomas in Applied or International Economics from Adelaide University or their equivalent from another university.

- 3.2 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.

3.3 Status, exemption and credit transfer

A candidate who has passed courses in other educational institutions and who has not presented these courses 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 two courses under 6.2 of the Specific Academic Program Rules

4 Enrolment

A candidate's program of study must be approved by the Dean (or nominee) at enrolment each year.

5 Assessment and examinations

- 5.1 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.
- 5.2 Results of those who pass in any of the courses shall be published within the following classifications: High Distinction, Distinction, Credit, Pass.
- 5.3 To satisfy the coursework component of the degree, a candidate must pass each of the prescribed courses and obtain an average equivalent to a credit or better.

5.4 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 course.

5.5 Review of academic progress

A candidate's progress shall be reviewed by the School at the end of each year. If in the opinion of the School 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.

6 Qualification requirements

6.1 To qualify for the degree of Master of Applied Economics (International), the candidate shall complete satisfactorily a program of study which shall consist of courses as follows.

6.2 Academic Program

6.2.1	ECON 7072 International Trade IIID <i>and</i>	3
	ECON 7075 International Trade (H)	4
6.2.2	three elective course not previously or otherwise completed (6 units) to be chosen from the following list	
	ECON 7001 Applied Econometrics IIID#	3
	ECON 7016 Economic Theory & the Environment IIID	3
	ECON 7017 Special Topics IIID	3
	ECON 7022 Econometrics IIID#	3
	ECON 7032 Public Finance IIID	3
	ECON 7037 Special Topics in Financial Economics IIID	3
	ECON 7042 Risk Theory IIID	3
	ECON 7044 International Finance IIID	3
	ECON 7050 International Economic History IIID	3
	ECON 7058 Development Economics IIID	3
	ECON 7061 The Global Trading System IIID	3
	ECON 7062 Business and Government IIID	3
	ECON 7070 Labour Economics IIID	3
	ECON 7072 International Trade IIID	3
	ECON 7080 Economics of Finance IIID	3
	ECON 7096 Economic Theory IIID#	3
	ECON 7114 Money, Banking & Financial Markets IIID	3
	ECON 7125 Applied Microeconomics IIID	3

Note: Level IIID courses involve work and assessment in addition to that which is required in Level III courses

6.2.3	one elective course not previously or otherwise completed (4 units) to be chosen from the following list	
	ECON 7009 Mathematical Economics (H)	4
	ECON 7010 Econometrics A (H)#	4
	ECON 7015 Industrial Organisation (H)	4
	ECON 7024 Special Topics (H)	4
	ECON 7025 Microeconomics A (H)	4
	ECON 7043 Environmental Economics (H)	4
	ECON 7053 Long Run Growth (H)	4
	ECON 7056 International Finance (H)	4
	ECON 7059 Macroeconomics A (H)	4
	ECON 7077 Economic Development (H)	4
	ECON 7093 Econometrics B (H)#	4
	ECON 7094A/B Econometrics C (H)#	4
	ECON 7104 Labour Economics (H)	4

students are encouraged to take Economic Theory IIID and at least one Econometrics course.

Note: the precise number of courses 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.

6.2.4 either

Supervised Research Program and Dissertation thereon

ECON 7013 Master of Applied Economics (International) Dissertation A 16

ECON 7085A/B Master of Applied Economics (International) Dissertation A (Part-time) 16

or

(i) ECON 7126 Master of Applied Economics (International) Dissertation B 12

ECON 7127A/B Master of Applied Economics (International) Dissertation B (Part-time) 12

plus

(ii) one additional unit from 6.2.3 4

or

(iii) two additional units from 6.2.2 6

or

(i) Project to the value of 8 units:

ECON 7008 Master of Applied Economics International Project 8

ECON 7137A/B Master of Applied Economics International Project (Part-time) 8

plus

(ii) Two additional courses selected from 6.2.3 8

or

(iii) Three additional courses selected from 6.2.2 9

or

(iv) Any combination of additional courses from 6.2.2 or 6.2.3 to the value of at least 8 units 8

6.3 A candidate who has completed a Bachelor's degree which includes a major in economics, or the Graduate Certificate in Economics or International Economics, or the Graduate Diploma in Applied Economics or International Economics, may be granted status in up to four courses specified in 6.2.2 towards the degree. Results obtained in these courses must be of a standard deemed acceptable by the Dean of the School for the purposes of granting status.

6.4 In special circumstances, candidates may be given permission to substitute another course for courses listed in 6.2.1, 6.2.2 and 6.2.3 above.

Syllabuses

ECON 7008

Master of Applied Economics International Project (2226)

8 units semester 1 or 2

ECON 7137A/B

Master of Applied Economics International Project (Part-time) (1195)

8 units full year

prerequisite: as approved by Economics Postgraduate Coordinator

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 Dean of School.

assessment: project paper

ECON 7013

Master of Applied Economics (International) Dissertation A (2478)

16 units semester 1 or 2

ECON 7085A/B

Master of Applied Economics (International) Dissertation A (Part-time) (2343)

16 units full year

prerequisite: as approved by Economics Postgraduate Coordinator

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 Dean of School.

assessment: dissertation

ECON 7126

Master of Applied Economics (International) Dissertation B (5731)

12 units semester 1 or 2

ECON 7127A/B

Master of Applied Economics (International) Dissertation B (Part-time) (5738)

12 units full year

prerequisite: as approved by Economics Postgraduate Coordinator

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 Dean of School.

assessment: dissertation

Master of Economics

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 General

- 1.1 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.

2 Duration of program

- 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 Admission requirements

- 3.1 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 Adelaide University *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 Adelaide University *or*
- (c) has qualified for the Master of Applied Economics or Master of Applied Economics (International) or Graduate Diploma in Advanced Economics or Graduate Diploma in Applied Economics or Graduate Diploma in Economics or Graduate Diploma in International Economics of Adelaide University, or its equivalent from another University, at a standard deemed by the School to be sufficient for admission to the program for the degree of Master of Economics.
- 3.2 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.

4 Assessment and examination

4.1 Examination of thesis

The School shall appoint examiners (at least one of whom is external to Adelaide University) 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 5.1 and the relevant rules, as appropriate *or*
- (b) that the thesis or dissertation be accepted as satisfactory for the purpose of 5.1 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.

4.2 Review of academic progress

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 Qualification requirements

- 5.1 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.
- 5.2 (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 program 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.

5.3

- (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 programs 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.

5.4 Submission of thesis

On completion of the work, the candidate shall lodge with 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.

Master of Economics (Coursework)

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 General

Each candidate will be required to undertake during university vacations such studies as may be prescribed.

2 Duration of program

- 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 two 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 Admission

- 2.1 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 Adelaide University *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 Adelaide University *or*
- (c) has qualified for the Graduate Diploma in Advanced Economics of Adelaide University *or*
- (d) has shown satisfactory progress in the Master of Applied Economics or Master of Applied Economics (International) of Adelaide University, or its equivalent from another University, at a standard deemed by the School to be sufficient for admission to the program for the degree of Master of Economics.
- 3.2 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.

4 Enrolment

A candidate's program of study must be approved by the School (or nominee) at enrolment each year.

5 Assessment and examinations

- 5.1 On completion of the work, the candidate shall lodge with the School three copies of the dissertation or project prepared in accordance with the directions given to candidates by the School.
- 5.2 Results of those who pass in any of the courses shall be published within the following classifications: High Distinction, Distinction, Credit, Pass.
- 5.3 To satisfy the coursework component of the degree, a candidate must pass each of the prescribed courses and obtain an average equivalent to a credit or better.
- 5.4 **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.

6 Qualification requirements

To qualify for the degree of Master of Economics (Coursework), the candidate shall complete satisfactorily a program of study which shall comprise 24 units as follows.

6.1 Program of study

- | | | |
|-------|--|---|
| 6.1.1 | ECON 7086 Advanced Macroeconomics | 3 |
| | ECON 7087 Advanced Microeconomics | 3 |
| 6.1.2 | one of the following quantitative courses: | |
| | ECON 7001 Applied Econometrics IIID | 3 |
| | ECON 7022 Econometrics IIID | 3 |
| | ECON 7090 Econometrics A | 3 |
| | ECON 7091 Econometrics B | 3 |
| | ECON 7092A/B Econometrics C | 3 |

6.1.3	up to four other courses, including those listed in 6.1.2, not previously or otherwise completed:	
	ECON 7014 Trade and Development	3
	ECON 7021 Economic Growth and Agriculture	3
	ECON 7067 Economic Development	3
	ECON 7097 Environmental Economics IV	3
	ECON 7098 Industrial Organisation	3
	ECON 7100 International Finance IV	3
	ECON 7102 International Trade	3
	ECON 7103 Labour Economics	3
	ECON 7106 Long Run Growth	3
	ECON 7110 Mathematical Economics	3
	ECON 7112 Monetary Economics	3
	ECON 7115 Public Economics	3
	ECON 7117 Reading Topics A*	3
	ECON 7118 Reading Topics B*	3
	ECON 7119 Reading Topics C*	3
	ECON 7120 Reading Topics D*	3
	ECON 7121 Reading Topics E*	3
	ECON 7122 Reading Topics F*	3
	ECON 7123 Special Topics in Economics	3

* completion of at least one reading topic is highly recommended. Contact the School of Economics to obtain details of the reading topics available each year

Note: the precise number of courses to be offered in any one year will depend upon staff availability and student demand.

6.1.4 Supervised Research Project

	ECON 7107 Master of Economics Research Project A	9
	<i>or</i>	
	ECON 7133A/B Master of Economics Research Project A (Part-time)	9
	<i>or</i>	
	ECON 7108 Master of Economics Research Project B	6
	<i>or</i>	
	ECON 7134A/B Master of Economics Research Project B (Part-time)	6
	<i>or</i>	
	ECON 7109 Master of Economics Research Project C	3
	<i>or</i>	
	ECON 7135A/B Master of Economics Research Project C (Part-time)	3

6.2 Students may count only one of ECON 7001 Applied Econometrics IIID or ECON 7022 Econometrics IIID towards the Masters.

- 6.3 No candidate will be permitted to count for the Master of Economics (Coursework) any course that in the opinion of the School contains substantially the same material as any courses which he or she has already presented for another qualification.
- 6.4 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 courses listed under 6.1, status may be granted up to a maximum of four such courses.
- 6.5 In special circumstances, candidates may be given permission to substitute another course for courses listed in 6.1 above.
- 6.6 Students enrolled in previous years should consult the Postgraduate Adviser for advice on qualification requirements.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

ECON 7086

Advanced Macroeconomics (5760)

3 units semester 1

2 hour lecture

This course presents an in depth analysis of modern macroeconomic theory. The course provides an advanced overview of the field as well as a rigorous analysis of the field's foundations. Students who do not necessarily intend to specialise in macroeconomics are thereby exposed to the most up to date theories, while those students who plan to pursue higher research in macroeconomics are well equipped with the latest techniques and know how. Topics to be discussed include: Why are some countries so rich while others are so poor? Why and how do countries grow? What are the sources of business cycles? What are the sources of inflation and unemployment? And what is the role of government policy in all of this?

assessment: set in consultation with students

ECON 7087

Advanced Microeconomics (5761)

3 units semester 2

2 hour lecture

This course deals with more recent advances in microeconomic theory with emphasis on noncooperative game theory and its applications, transactions in which asymmetric information plays a role and the theory of market failure. Topics to be covered may include some or all of the following: static and dynamic models of oligopoly, adverse selection, signaling games, principal agent problems and general equilibrium theory.

assessment: set in consultation with students

ECON 7107

Master of Economics Research Project A (6137)

9 units semester 1 or 2

ECON 7133A/B

Master of Economics Research Project A (Part-time)(6145)

9 units full year

prerequisite: as approved by Economics Postgraduate Coordinator

Each student is to undertake an individual research project which exhibits original investigation analysis and interpretation.

assessment: project (approximately 15,000 words)

ECON 7108

Master of Economics Research Project B (6163)

6 units semester 1 or 2

ECON 7134A/B

Master of Economics Research Project B (Part-time)(6201)

6 units full year

prerequisite: as approved by Economics Postgraduate Coordinator

Each student is to undertake an individual research project which exhibits original investigation analysis and interpretation.

assessment: project (approximately 10,000 words)

ECON 7109

Master of Economics Research Project C (6202)

3 units semester 1 or 2

ECON 7135A/B

Master of Economics Research Project C (Part-time) (6236)

3 units full year

prerequisite: as approved by Economics Postgraduate Coordinator

Each student is to undertake an individual research project which exhibits original investigation analysis and interpretation.

assessment: project (approximately 5,000 words)

ECON 7117

Reading Topics A (5991)

ECON 7118

Reading Topics B (5994)

ECON 7119

Reading Topics C (6047)

ECON 7120

Reading Topics D (6054)

ECON 7121

Reading Topics E (6107)

ECON 7122

Reading Topics F (6126)

3 units semester 1 or 2

These courses will cover selected topics in Economics. The topics offered each year will depend on the availability of staff, including visitors, and their research interests.

Graduate School of Education

Website: www.adelaide.edu.au/humss/education/

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Postgraduate awards in the Graduate School of Education

Graduate Certificate in Educational Studies

Graduate Diploma in Education

Bachelor of Educational Studies

Master of Education

Master of Educational Studies

Doctor of Education

Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General General Academic Rules to the Convenor of Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific General Academic 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

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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: There will be no further intake into this program.

Specific Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty the program for the Graduate Certificate must be completed in or not more than four years of part-time study.

2 Admission

2.1 There is no direct entry to this program of study. It may serve, with permission of the Faculty, as an exit point for the Graduate Diploma in Education.

2.2 Status, exemption and credit transfer

2.2.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.2.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.2.3 In any case, no candidate will be awarded more than 6 units of status.

2.2.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Head of School, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.3 Articulation with other awards

2.3.1 Students who complete this program are also eligible to apply for entry to the Graduate Diploma in Education program, and be granted status for the work they have undertaken in the Graduate Certificate.

2.3.2 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.

2.3.3 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.

3 Assessment and examinations

3.1 There shall be two systems of classification of pass in courses for the Graduate Certificate: either Non-Graded Pass, or Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 (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 course examination.

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

4 Qualification requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units as follows:

4.1 Academic program

EDUC 4008A/B Curriculum in its Context	2
EDUC 4031A/B Professional Studies	2
EDUC 4035A/B Social & Cultural Context of Learning	3
EDUC 4039A/B Student- Teacher Interaction in the Classroom	3
EDUC 4081 Australian Educational Issues	2

Syllabuses

See Graduate Diploma of Education for syllabus details

Graduate Diploma in Education

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Completion of this program satisfies the requirements for registration with the Teacher Registration Board of South Australia.

Specific Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a student shall satisfactorily complete a program of one year of full-time study or up to six years of part-time study.

2 Admission

2.1 An applicant for admission to the program 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.

2.2 Status, exemption and credit transfer

2.2.1 No student may be granted more than twelve units of status toward the Graduate Diploma for other studies undertaken in the University or other institutions.

2.2.2 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.

2.3 Articulation with other awards

2.3.1 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.

2.3.2 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.

3 Assessment and examinations

3.1 There shall be one of two systems of classification of pass in individual courses for the Graduate Diploma: either Non-Graded Pass, or Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 Review of academic progress

3.2.1 A student who fails a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe.

3.2.2 A student who has twice failed a course may not enrol for that course again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.

3.2.3 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 School 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 course is taught, shall be deemed to have failed the examination.

4 Qualification requirements

Students must successfully complete courses to the value of 24 units comprising 6 units of Teaching Practice Courses, 6 units of Curriculum and Methodology Courses and 12 units of Education Studies Courses.

4.1 Academic program

4.1.1 Teaching practice

Teaching Practice courses to the value of 6 units

EDUC 4050 Teaching Practice Part I 3

EDUC 4051 Teaching Practice Part II 3

4.1.2 Curriculum and Methodology

Courses to a value of six units taken from:

Humanities

EDUC 4014A/B Geography Curriculum and Methodology 2

EDUC 4016A/B History Curriculum & Methodology 2

EDUC 4026A/B Legal Studies Curriculum & Methodology 2

EDUC 4034A/B Studies of Society and Environment 2

The courses appearing in this section cannot be taken without 6059 Social, Cultural and Australian Studies

Business

EDUC 4001A/B Accounting Curriculum & Methodology	2
EDUC 4004A/B Business Studies Curriculum and Methodology	2
EDUC 4009A/B Economics Curriculum & Methodology	2

English

EDUC 4013A/B General English Curriculum and Methodology	2
EDUC 4032A/B Senior English Curriculum and Methodology	2

Music

EDUC 4007A/B Classroom Music Curriculum and Methodology	3
EDUC 4019A/B Instrumental Music Curriculum and Methodology	3

Languages other than English

EDUC 4006A/B Chinese Curriculum & Methodology	1
EDUC 4010A/B English as a Second Language	1
EDUC 4012A/B French Curriculum & Methodology	1
EDUC 4015A/B German Curriculum & Methodology	1
EDUC 4017A/B Indonesian Curriculum & Methodology	1
EDUC 4021A/B Italian Curriculum and Methodology	1
EDUC 4022A/B Japanese Curriculum & Methodology	1
EDUC 4025A/B Language Methodology	3
EDUC 4027A/B Modern Language Curriculum and Methodology	2
EDUC 4036A/B Spanish Curriculum & Methodology	1
EDUC 4038A/B Other Languages Curriculum and Methodology	1

Mathematics

EDUC 4018A/B Information Technology Curriculum and Methodology	2
EDUC 4023A/B Junior Mathematics Curriculum and Methodology	2
EDUC 4033A/B Senior Mathematics Curriculum and Methodology	2

Science

EDUC 4003A/B Biology Curriculum & Methodology	2
EDUC 4005A/B Chemistry Curriculum & Methodology	2
EDUC 4024A/B Junior Science Curriculum and Methodology	2
EDUC 4028A/B Physics Curriculum & Methodology	2

General

EDUC 4002A/B Adult Learner Curriculum & Methodology	2
EDUC 4011A/B Extended Specialist Curriculum	2
EDUC 4020A/B Introduction to Curriculum Design and Evaluation	2
EDUC 4029A/B Practical Curriculum Design	2
EDUC 4030A/B Practical Curriculum Evaluation	2
EDUC 4037A/B Specialist Curriculum	1

4.1.3 Education Studies

Education Studies courses to a total value of 12 units as follows

EDUC 4008A/B Curriculum in its Context	2
EDUC 4031A/B Professional Studies	2
EDUC 4035A/B Social and Cultural Context of Learning	3
EDUC 4039A/B Student-Teacher Interaction in the Classroom	3
EDUC 4081 Australian Educational Issues	2

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

program requirements

The Graduate Diploma is a composite program 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 programs, 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 program 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 program that should cater for many of their needs. The part-time program may be completed over two to six years.

Teaching Practice courses

EDUC 4050

Teaching Practice Part I (5705)

3 units semester 1 or 2

pre/corequisite: at least one Curriculum and Methodology course

Students will undertake one block of supervised teaching practice. Students who successfully complete the course are given a non-graded pass.

EDUC 4051

Teaching Practice Part II (9636)

3 units semester 1 or 2

pre/corequisite: at least one Curriculum and Methodology course

Students will undertake one block of supervised teaching practice. Students who successfully complete the course are given a non-graded pass.

Curriculum and Methodology courses

Students are required to complete curriculum and methodology courses to a total of 6 units. Each course consists of weekly lectures and/or seminars. Students should take note of both the conditions attached to particular courses 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: course availability subject to staffing/ facilities

Business

EDUC 4001A/B

Accounting Curriculum and Methodology (4134)

2 units full year

prerequisite: pass in Level II or III accounting course

EDUC 4004A/B

Business Studies Curriculum and Methodology (1464)

2 units full year

prerequisite: pass in Level II or III business course

EDUC 4009A/B

Economics Curriculum and Methodology (4397)

2 units full year

prerequisite: pass in Level II or III economics course

English

EDUC 4013A/B

General English Curriculum and Methodology (4721)

2 units full year

prerequisite: pass in Level II or III English course

EDUC 4032A/B

Senior English Curriculum and Methodology (3439)

2 units full year

prerequisite: pass in Level III English course or equivalent

pre/corequisite: 4721 General English Curriculum and Methodology

General

EDUC 4002A/B

Adult Learner Curriculum and Methodology (3779)

2 units full year

subject to staffing

pre/corequisite: 6227 Student-Teacher Interaction in the Classroom

EDUC 4011A/B

Extended Specialist Curriculum (6210)

2 units full year

restriction: only with the agreement of Head of School

EDUC 4020A/B
Introduction to Curriculum Design and Evaluation
9063)

3 units not offered in 2002

EDUC 4029A/B
Practical Curriculum Design (8345)

2 units not offered in 2002

pre/corequisite: 9063 Introduction to Curriculum Design & Evaluation

EDUC 4030A/B
Practical Curriculum Evaluation (6797)

2 units not offered in 2002

prerequisite: Introduction to 9063 Curriculum Design and Evaluation

EDUC 4037A/B
Specialist Curriculum (6903)

1 unit full year

restriction: only with the agreement of Head of School

Humanities

EDUC 4014A/B
Geography Curriculum and Methodology (3494)

2 units full year

prerequisite: pass in Level III geography course. In certain circumstances students with Level II geography courses may be accepted

pre/corequisite: 6059 Studies of Society and Environment

EDUC 4016A/B
History Curriculum and Methodology (6149)

2 units full year

prerequisite: pass in Level III history course. In certain circumstances students with Level II history courses may be accepted

pre/corequisite: 6059 Studies of Society and Environment

EDUC 4026A/B
Legal Studies Curriculum and Methodology (2309)

2 units full year

prerequisite: pass in Level II or III law or legal studies courses

pre/corequisite: 6059 Studies of Society and Environment

EDUC 4034A/B
Studies of Society and Environment (6059)

2 units full year

prerequisite: pass in Level II or III Anthropology, Classical Studies, Economics, Geography, History, Law, Politics or other approved course

Languages other than English

EDUC 4006A/B
Chinese Curriculum and Methodology (7374)

1 unit full year

prerequisite: Pass at Level III Chinese or equivalent

pre/corequisite: 8472 Language Methodology or 3363 Modern Languages Curriculum and Methodology

EDUC 4010A/B
English as a Second Language (9075)

1 unit full year

prerequisite: Pass in Linguistics at level II or III, or equivalent.

pre/corequisite: 8472 Language Methodology or 3363 Modern Languages Curriculum and Methodology

EDUC 4012A/B
French Curriculum and Methodology (6728)

1 unit full year

prerequisite: pass at Level III French or equivalent

pre/corequisite: 8472 Language Methodology or 3363 Modern Languages Curriculum and Methodology

EDUC 4015A/B
German Curriculum and Methodology (2735)

1 unit full year

prerequisite: pass at Level III German or equivalent

pre/corequisite: 8472 Language Methodology or 3363 Modern Languages Curriculum and Methodology

EDUC 4017A/B
Indonesian Curriculum and Methodology (7304)

1 unit full year

prerequisite: Pass at Level III Indonesian or equivalent

pre/corequisite: 8472 Language Methodology or 3363 Modern Languages Curriculum and Methodology

EDUC 4021A/B**Italian Curriculum and Methodology (7815)**

1 unit full year

prerequisite: pass at Level III Italian or equivalent*pre/corequisite:* 8472 Language Methodology or 3363 Modern Languages Curriculum and Methodology**EDUC 4022A/B****Japanese Curriculum and Methodology (1701)**

1 unit full year

prerequisite: pass at Level III Japanese or equivalent*pre/corequisite:* 8472 Language Methodology or 3363 Modern Languages Curriculum and Methodology**EDUC 4025A/B****Language Methodology (8472)**

3 units full year

prerequisite: pass in a Level III language other than English course**EDUC 4027A/B****Modern Languages Curriculum and Methodology (3363)**

2 units full year

prerequisite: pass in a Level II language other than English course

This course is for students who are not enrolled for a specialist language.

EDUC 4036A/B**Spanish Curriculum and Methodology (3323)**

1 unit full year

prerequisite: pass at Level III Spanish or equivalent*pre/corequisite:* 8472 Language Methodology or 3363 Modern Languages Curriculum and Methodology**EDUC 4038A/B****Other Languages Curriculum and Methodology (8396)**

1 unit full year

prerequisite: pass in the appropriate language at Level III or equivalent*pre/corequisite:* 8472 Language Methodology or 3363 Modern Languages Curriculum and Methodology**EDUC 4043A/B****Vietnamese Curriculum and Methodology (3574)**

1 unit full year

prerequisite: pass at Level III Vietnamese or equivalent*pre/corequisite:* 8472 Language Methodology or 3363 Modern Languages Curriculum and Methodology**Mathematics****EDUC 4018A/B****Information Technology Curriculum and Methodology (4212)**

2 units full year

subject to staffing

prerequisite: pass at Level III Computer Studies**EDUC 4023A/B****Junior Mathematics Curriculum and Methodology (9856)**

2 units full year

prerequisite: pass in Mathematics I or equivalent**EDUC 4033A/B****Senior Mathematics Curriculum and Methodology (2640)**

2 units full year

prerequisite: pass in Level III mathematics course*pre/corequisite:* 9856 Junior Mathematics Curriculum and Methodology**Music****EDUC 4007A/B****Classroom Music Curriculum and Methodology (9469)**

3 units full year

prerequisite: degree in Music or a pass in Level III music course**EDUC 4019A/B****Instrumental Music Curriculum and Methodology (6384)**

3 units full year

prerequisite: degree in Music, or a pass in Level III music course, plus recognised instrumental qualifications*pre/corequisite:* 9469 Classroom Music Curriculum and Methodology

Science

EDUC 4003A/B

Biology Curriculum and Methodology (4855)

2 units full year

prerequisite: pass in a Level III biological science course

pre/corequisite: 2459 Junior Science Curriculum and Methodology

EDUC 4005A/B

Chemistry Curriculum and Methodology (2918)

2 units full year

prerequisite: pass in Level III chemistry course

pre/corequisite: 2459 Junior Science Curriculum and Methodology

EDUC 4024A/B

Junior Science Curriculum and Methodology (2459)

2 units full year

prerequisite: pass in two Level I physical and biological sciences courses

EDUC 4028A/B

Physics Curriculum and Methodology (2598)

2 units full year

prerequisite: pass in Level III physics course

pre/corequisite: 2459 Junior Science Curriculum and Methodology

Education Studies Courses

EDUC 4008A/B

Curriculum in its Context (7432)

2 units full year

2-3 hours per week

This course 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/outline of conceptual bases of main teaching course

EDUC 4031A/B

Professional Studies (5221)

2 units full year

Approximately 25 hours at times to be arranged

This course involves the satisfactory completion of a component on New Technologies in Education, as well as participation in the introductory studies and attendance at the general lectures.

assessment: satisfactory attendance, participation in all components of course, satisfactory completion of 'New Technologies in Education' assignment

EDUC 4035A/B

Social and Cultural Context of Learning (5232)

3 units full year

1 lecture, 1 tutorial a week

This course is concerned to analyse the social and cultural context of students' learning. In particular, it will examine family and school learning environments, issues of gender and religion in education, differing models of society, and cultural pluralism and education.

assessment: 3000 word essay

EDUC 4039A/B

Student-Teacher Interaction in the Classroom (6227)

3 units full year

6 hours per week

This course 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 assignments; reports.

EDUC 4081

Australian Educational Issues (3785)

2 units semester 2

2 hours per week

This course 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: essays, assignments and/or group presentation

Bachelor of Educational Studies

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

The Bachelor of Educational Studies award represents a professional development program, 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 Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising one year of full-time study or not more than four years of part-time study.

2 Admission

2.1 An applicant for admission to the program 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.

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 degree 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 degree.

2.3 Status, exemption and credit transfer

2.3.1 No candidate shall be granted status for courses with a total value of more than 12 units on account of courses presented for any other award.

2.3.2 No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

2.3.3 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Head of School, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 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 units without surrendering the award, or up to 12 units upon surrender of the award.

2.4.2 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 units for courses listed in the Specific Academic Program Rules of the Master of Educational Studies. A candidate for Master of Educational Studies who has been granted status toward the degree for courses presented for the Bachelor of Educational Studies to a value of 12 or more units must surrender the Bachelor of Educational Studies before being admitted to the degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the degree: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 (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.

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

4 **Qualification requirements**

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.1 **Academic program**

4.1.1 **Educational Courses**

All candidates shall complete at least 6 units, and up to 18 units, from the following:

All candidates shall complete at least 6 units, and up to 18 units, from the following:

EDUC 5001 Adult Psychology and Education	6
EDUC 5007 Education in Multilingual Settings	6
EDUC 5011 Families, Schools and Students' Outcomes	6
EDUC 5012 Gender, Education and Social Change	6
EDUC 5013A/B Honours Mathematics (Education)	12
EDUC 5016 Making Sense of the Scientific World	6
EDUC 5017 Mathematics Education	6
EDUC 5018 Multicultural Society & Educational Policy	6
EDUC 5021 Religion, Education and Social Change	6
EDUC 5022 Schools as Cultural Systems)	6
EDUC 5023 Scientific Revolutions and Education	6
EDUC 5024 The Nature of Science and Science Curricula	6
EDUC 5028 Theories of Psychology in Education	6

4.1.2 **Elective courses**

All candidates shall complete elective courses to the value of at least 6 units, and up to 18 units, selected from the courses 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

Syllabuses

See M.Ed Studies for syllabus details

Master of Education

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

- 1.1 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.
- 1.2 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.

2 Admission

- 2.1 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.
- 2.2 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.

2.3 Status, exemption and credit transfer

With the permission of the Head of the School of Education, students may be granted up to a maximum of six units worth of coursework status for other studies undertaken in the University or other institutions.

2.4 Articulation with other awards

A student who holds the degree of Master of Educational Studies of Adelaide University and is granted 12 units of status shall surrender that degree before being admitted to the degree of Master of Education.

3 Assessment and examinations

- 3.1 There shall be four classifications of pass at the final examination in any coursework course: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.
- 3.2 On completion of work the student shall lodge three copies of the thesis prepared in accordance with directions given to students from time to time.
- 3.3 The Department shall appoint at least two examiners of the thesis, of whom at least one shall be an external examiner.
- 3.4 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.
- 3.5 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.

3.6 Review of academic progress

- 3.6.1 A student who fails a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe.
- 3.6.2 A student who has twice failed a course may not enrol for that course again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.
- 3.6.3 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 School 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 course is taught, shall be deemed to have failed the course.

4 Qualification requirements

All students shall satisfactorily complete a coursework component to the value of six units, a research methodology course, and a thesis.

4.1 Program of study

4.1.1 Coursework courses

All students shall satisfactorily complete six units of coursework from coursework courses, and one of the research methodology courses listed for the degree of Master of Educational Studies.

4.1.2 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.

Syllabuses

program requirements

Courses for this degree usually take the form of weekly two-hour seminars. Reading lists for each course will be given in the Departmental Handbook.

assessment

Assessment in each course 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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising three semesters of full-time study or not more than three years of part-time study.

2 Admission requirements

2.1 An applicant for admission to the program 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;

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 degree 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 degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with the special permission of the Faculty, no candidate will be granted status for any of the research methodology courses of the degree.

2.3.2 No candidate shall be granted status for courses with a total value of more than 12 units on account of courses presented for any other award, except the Bachelor of Educational Studies where up to 18 units on account of education courses may be awarded.

2.3.3 No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required

work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate who has been admitted to the Bachelor of Educational Studies and who has been granted status toward the degree for courses presented for the Bachelor of Educational Studies to a value of 12 or more units must surrender the Bachelor of Educational Studies before being admitted to the degree.

2.4.2 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.

3 Assessment and examinations

3.1 There shall be four classifications of pass at the final examination in any course for the Master of Educational Studies: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 (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.

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

4 Qualification requirements

To qualify for the degree of Master of Educational Studies, a candidate shall satisfactorily complete courses to the value of 36 units, as follows.

4.1 Academic program

4.1.1 Research Methodology courses

All candidates shall complete one of the following research methodology courses:

EDUC 5010 Evaluation in Education	6
EDUC 5019 Qualitative Approaches to Educational Research	6
EDUC 5020 Quantitative Educational Research	6
EDUC 5026 Introduction to Statistics in Educational Research	6

4.1.2 Elective courses

All candidates shall complete elective courses to the value of 18 units selected from the following:

ARTS 5006 Directed Study	6
EDUC 5001 Adult Psychology & Education	6
EDUC 5007 Education in Multilingual Settings	6
EDUC 5011 Families, Schools and Students' Outcomes	6
EDUC 5012 Gender, Education and Social Change	6
EDUC 5013A/B Honours Mathematics (Education)	12
EDUC 5016 Making Sense of the Scientific World	6
EDUC 5017 Mathematics Education	6
EDUC 5018 Multicultural Society & Educational Policy	6
EDUC 5021 Religion, Education and Social Change	6
EDUC 5022 Schools as Cultural Systems	6
EDUC 5023 Scientific Revolutions and Education	6
EDUC 5024 The Nature of Science & Science Curricula	6
EDUC 5028 Theories of Psychology in Education	6
LING 5009 Language Teaching in Specific Settings	6
LING 5010 English for Academic Purposes	6

and

Approved courses listed for any relevant coursework Masters program. Advice on appropriate options is available from the Graduate School of Education.

Transition Courses

ARTS 5002 Directed Study (2 unit)	2
ARTS 5004 Directed Study (4 unit)	4

4.1.2.1 Students may take additional research methodology courses in lieu of elective courses.

4.1.3 Research Project

All candidates shall complete the following:

EDUC 5500 Education Minor Project	6
<i>and</i>	
one additional elective from 4.1.2 above	
<i>or</i>	
EDUC 5501 Education Research Project F/T	12
<i>or</i>	
EDUC 5502A/B Education Research Project P/T	12

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

ARTS 5006

Directed Study P/G (3691)

6 units semester 1 or 2

2 hours per week

restriction: with permission of Head of Department

This course 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

EDUC 5001

Adult Psychology and Education (4599)

6 units not offered in 2002

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.

This course alternates with 6224 Theories of Psychology.

assessment: essay, seminar paper, reviews

EDUC 5007

Education in Multilingual Settings (8296)

6 units semester 2

2 hours a week

The course 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. 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

EDUC 5010

Evaluation in Education (5537)

6 units semester 1

2 hours per week

The aim of this course is to enable students to gain an understanding of current theories and practices for evaluation in education. It will provide opportunities for students to: consider

current approaches to evaluation; use procedures for design, data collection, analysis, recording and reporting of evaluations; develop an appropriate model for the evaluation of a school or educational program; examine current issues such as quality assurance and school review.

assessment: 2 assignments of 2000, 1 x 4000 words

EDUC 5011

Families, Schools and Students' Outcomes (8947)

6 units semester 2

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 course 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 or 1 x 8000 word essay

EDUC 5012

Gender, Education and Social Change (5274)

6 units not offered in 2002

2 hours of seminars a week

restriction: 3487 Class, Gender and Schooling in Australia

This course analyses the ways in which formal education has contributed to the definition and transmission, or transformation, of gender roles and gender identities in Australia 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 re-assessed 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.

assessment: seminar participation; 2 x 4000 word essays

EDUC 5013A/B**Honours Mathematics (Education) (7823)**

12 units full year

prerequisite: qualification in Mathematics acceptable to Department of Education and relevant departments in Mathematical Sciences. Prospective students should consult with Education Mathematics program coordinator before enrolling

restriction: not presented unless 2051 Education Mathematics is also presented

Three courses not already passed, from those offered in Honours in Applied Mathematics, Computer Science, Pure Mathematics, Statistics or Mathematical Physics.

assessment: see relevant Mathematics unit

EDUC 5016**Making Sense of the Scientific World (5841)**

6 units not offered in 2002

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 course 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 individual project; 4000 word essay

EDUC 5017**Mathematics Education (5165)**

6 units semester 2

2 hours seminars a week

prerequisite: pass in Level III Mathematics course or other qualification accepted by Education Department

A study of current research and theory in mathematics education.

assessment: essays and assignments

EDUC 5018**Multicultural Society and Educational Policy (3417)**

6 units semester 1

2 hours per week

The theoretical framework of this course 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

EDUC 5019**Qualitative Approaches to Educational Research (4298)**

6 units semester 2

2 hour seminar a week

This course 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 methodological approach in educational research, total 8000 words

EDUC 5020**Quantitative Educational Research (8977)**

6 units not offered in 2002

2 hours of seminars a week

The course examines the use of quantitative methods in educational research. In particular, regression techniques such as multiple regression and path analyses are discussed. The course 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

EDUC 5021**Religion, Education and Social Change (1688)**

6 units semester 1

2 hours of seminars a week

This course 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

EDUC 5022

Schools as Cultural Systems (8963)

6 units not offered in 2002

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

EDUC 5023

Scientific Revolutions and Education (7884)

6 units not offered in 2002

prerequisite: Science qualifications or permission of the Head of the Department of Education

2 hours of seminars a week

The course 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

EDUC 5024

The Nature of Science and Science Curricula (7421)

6 units not offered in 2002

2 hours of seminars a week

assumed knowledge: science background, others may enrol with permission

Many school science programs 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 programs and particular notions will be explored.

assessment: essays to a total of 8000 words

EDUC 5026

Introduction to Statistics in Educational Research (9619)

6 units semester 1

2 hours seminars a week

This course 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 computers.

assessment: course work, exam. Pass, but no higher grade, may be obtained on coursework assessments only

EDUC 5028

Theories of Psychology in Education (6224)

6 units semester 1

subject to staffing

2 hours seminars a week

This course 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 course necessitates consulting articles from several journals of psychology and education. These, together with relevant books, will be detailed as the program progresses.

This courses alternates with 4599 Adult Psychology and Education

assessment: essay, seminar papers, reviews

LING 5009

Language Teaching in Specific Settings (7481)

6 units semester 2

For this course students study contemporary curriculum principles and the design of curriculum for different purposes and contexts. The contexts include teaching English to speakers of other languages (TESOL), first language education and adult literacy. There is a particular focus on curriculum in action together with a critical review of various approaches to curriculum design.

assessment: critical review of one curriculum and a curriculum design project

LING 5010

English for Academic Purposes (3305)

6 units summer semester or 1 or 2

The aim of this course is to extend students' command of English Language for working in academic and educational contexts.

Students analyse characteristic features of academic texts from different disciplines.

assessment: 3 written assignments

Research Component courses

EDUC 5500

Education Minor Project (4175)

6 units semester 1 or 2

Self-directed study under supervision.

This course 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 courses 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

EDUC 5501

Education Research Project F/T (3156)

EDUC 5502A/B

Education Research Project P/T (3777)

12 units full 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.

Transition courses

ARTS 5002

Directed Study P/G (2 unit) (4655)

ARTS 5004

Directed Study P/G (4 unit) (5361)

Contact Department for further details.

Doctor of Education

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

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.

2 Admission

2.1 An applicant for admission to the program 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 Adelaide University, 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 Adelaide University, 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.

2.2 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 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfers

2.3.1 No candidate shall be granted status for courses with a total value of more than 12 units.

2.3.2 No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains

substantially the same material as any other course which he or she has already presented for another award.

2.3.3 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Head of the Graduate School of Education, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Acceptance

- (a) the applicant's proposed field of study and research is acceptable to 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.

2.5 Extensions and Intermissions

2.5.1 The Board may grant a candidate one extension of candidature of twelve months beyond the maximum period specified in rule 1.1, but if the doctoral portfolio has not been submitted by the end of that period, the candidature will lapse.

2.5.2 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 1.1 will be adjusted accordingly.

2.6 Resumption of lapsed candidature

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.

3 Enrolment

Annual review

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 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 th 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.

4 Assessment and examinations

4.1 Assessment for coursework

4.1.1 There shall be four classifications of pass for the required research coursework courses: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

- 4.1.2 (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.

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

4.2 Assessment and examination of doctoral portfolio

4.2.1 On the completion of the approved program 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 Graduate Studies. Graduate Studies shall prescribe the form in which the doctoral portfolio shall be submitted and the number of copies to be submitted.

4.2.2 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.

4.2.3 A candidate shall notify 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.

- 4.2.4 (a) A candidate shall have the right to submit objections to the appointment of potential examiners. Any such objections should be submitted to Graduate Studies, at the same time as the notification of intention to submit required under rule 4.2.3. 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 4.2.4 (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 4.2.5 below
- (d) After consideration of the reports of the examiners, the Board may appoint a third examiner, or an external arbitrator, if deemed appropriate.

4.2.5 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 program 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.

4.2.6 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 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 Graduate Studies.

5 **Qualification requirements**

5.1 A candidate shall pursue a program of study and research approved by Graduate Studies in consultation with the Head of the Graduate School of Education

5.2 **Program of study**

To qualify for the degree, a candidate shall satisfactorily complete the coursework and research components outlined below.

5.2.1 **Research Coursework courses**

All candidates shall complete research coursework courses to the value of 24 units, as follows:

EDUC 9001 Issues in Professional Research	6
EDUC 9002 Research Strategies in Education: Evaluation	6
EDUC 9003 Research Strategies in Education: Qualitative	6
EDUC 9004 Research Strategies in Education: Quantitative	6

or

where appropriate, one of the research coursework courses could be replaced by a Masters Coursework course worth 6 units.

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 program for full-time students, or the last four years of the program 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 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.

School of Engineering

Website: www.eng.adelaide.edu.au

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**Master of Science and Technology
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(M.Sc. & Tech.Comm.)

See entry under Professional and Continuing Education

Master of Software Engineering

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Doctor of Engineering

D.E.

Academic Program Rules available from the School of Engineering

Doctor of Philosophy

Ph.D.

Please refer to the Graduate Studies section (see Contents) for
Academic Program Rules

Postgraduate awards in the School of Engineering

Graduate Certificate in Business Enterprise (SME)
Graduate Certificate in Engineering (Environmental Engineering)
Graduate Certificate in Engineering (Fuels, Combustion & Emission Control)
Graduate Certificate in Engineering (Signal Processing)
Graduate Certificate in Engineering (Structural Engineering)
Graduate Diploma in Business Enterprise (SME)
Graduate Diploma in Engineering (Environmental Engineering)
Graduate Diploma in Engineering (Fuels, Combustion & Emission Control)
Graduate Diploma in Engineering (Radio Frequency Engineering)
Graduate Diploma in Engineering (Structural Engineering)
Master of Applied Science
Master of Engineering
Master of Engineering (Fuels, Combustion & Emission Control)
Master of Engineering (Radio Frequency Engineering)
Master of Engineering Science
Master of Software Engineering

Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General Academic Program Rules to the Convenor of the Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific Academic Program 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 Academic Program 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.

Graduate Certificate in Business Enterprise (SME)

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate a candidate shall satisfactorily complete a program 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.

2 Admission

2.1 Except as provided for in 2.2 below, a candidate for admission to the program of study for the Graduate Certificate 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.

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 the Graduate Certificate a person who does not qualify for admission to the program under 2.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each course 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 course and desires to take the course 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 course or division of a course may not enrol for the course 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 course is taught, shall be deemed to have failed the examination.

4 Qualification requirements

4.1 A candidate for the Graduate Certificate shall regularly undertake study as may be prescribed, and pass examinations in a selection of courses offered by the Department of Mechanical Engineering or another department of the University where appropriate, to an aggregate value of at least 12 units in accordance with the provisions of this Rule.

4.2 Courses of Study

The candidate shall complete satisfactorily courses to the value of 12 units from the following*:

MECH ENG 5003 Business Communication	2
MECH ENG 5005 Entrepreneurship and Innovation	2
MECH ENG 5010 Project Management and the Organisation	2
MECH ENG 5011 Small Business Finance	2
MECH ENG 5012 New Venture Feasibility Process	2
MECH ENG 5013 Small Business Operations	2
MECH ENG 5014 Small Business Practice	2

* students should discuss course choice with Program Coordinator.

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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 Duration of program

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.

2 Admission

2.1 Except as provided in 2.2 below, an applicant for admission to the program of study for the Graduate Certificate shall have qualified for the degree of Bachelor of Engineering of Adelaide University 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.

2.2 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 2.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

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 course counted for any other award shall be counted as part of the requirements for the Graduate Certificate. In any case, if a course has a Conceded Pass classification for the purpose of another award, any such course passed with this classification shall not count towards the requirements for the Graduate Certificate.

2.4 Articulation with other awards

These Specific Academic Program 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.

3 Enrolment

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

4 Assessment and examinations

4.1 There shall be four classifications of Pass in each course 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 course and desires to take the course 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.

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

5 Qualification requirements

5.1 To qualify for a Graduate Certificate in Engineering (Environmental Engineering) a candidate shall satisfactorily complete all courses from Group A in 5.6 below plus courses from Group B totalling at least 6 units.

5.2 The courses presented shall not include any which is, in the opinion of the Faculty, substantially equivalent to another course presented for the Certificate or already counted towards another qualification.

- 5.3** Should any course in Group A be covered by 5.2 above then a course(s) with an equivalent units value from Group B may be substituted with the approval of the Head of the Department.
- 5.4** Candidates wishing to enrol in courses for which they do not have the necessary preliminary knowledge may be required to take such bridging courses 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.
- 5.5** To complete a program of study in a course a candidate shall, unless exempted by the Head of the Department offering the course:
- (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 course may prescribe.

5.6 Academic Program

The following shall be courses for the Graduate Certificate in Engineering (Environmental Engineering):

Group A: compulsory courses

C&ENVENG 5038 Environmental Engineering and Design III	3
CHEM ENG 5000 Transport Processes in the Environment	2
MICRO 3004 Introduction to Microbiology	1

Group B: elective courses

C&ENVENG 5039 Environmental Auditing & Design	3
C&ENVENG 5040 Environmental Processes, Modelling and Design	3
C&ENVENG 5041 Wastewater Engineering & Design	3
C&ENVENG 5042 Advanced Engineering Hydrology and Design	3
C&ENVENG 5043 Advanced Engineering Management and Design	3
C&ENVENG 5044 Advanced Water Distribution Systems and Design	3
C&ENVENG 5045 Advanced Water Engineering and Design	3
C&ENVENG 5046 Advanced Water Resources Management and Design	3
C&ENVENG 5047 Advanced Water Resources Planning and Design	3

C&ENVENG 5048 Groundwater Resources , Contamination and Design	3
C&ENVENG 5049 Introduction to Environmental Law N	3
C&ENVENG 5050 Special Topics in Management and Planning IV N	3
C&ENVENG 5051 Special Topics in Water Engineering IV N	3
C&ENVENG 5052 Waste Management Analysis & Design	3
C&ENVENG 5053 Numerical Methods in Environmental Engineering and Design	3
ECON 3018A/B Environmental Economics E	4

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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty, the program 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.

2 Admission

2.1 Except as provided for in 2.2 below, an applicant for admission to the program for the Graduate Certificate shall:

- (a) have qualified in Adelaide University 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 2.1.(a) above *or*
- (c) have qualified in Adelaide University 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.

2.2 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 2.1 above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status or exemption

A candidate may not present for credit towards the Graduate Certificate any course 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 course.

2.4 Articulation with other awards

Notwithstanding these Specific Academic Program 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).

3 Assessment and examinations

3.1 There shall be four classifications of pass in each course 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 course and desires to take the course 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 course may not enrol for that course 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 Qualification requirements

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

Notes

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

4.2 Academic Program

Group A: core courses

CHEM ENG 5013 Fuels and Combustion Technology	2
CHEM ENG 5016 Instrumentation and Control for Combustion Processes	2
CHEM ENG 5017 Introduction to Combustion Phenomena	3
CHEM ENG 5027 Fuels and Combustion Laboratory Projects I	3

Group B: elective courses

General

CHEM ENG 5008 Combustion Heat Transfer	2
CHEM ENG 5009 Combustion for High Temperature Processing	2
CHEM ENG 5010 Combustion Plant Safety and Management	2
CHEM ENG 5026 Combustion and Environment	2

Coal

CHEM ENG 5006 Coal Combustion in Furnaces	2
CHEM ENG 5007 Coal Conversion Processes other than Combustion	2

Gas and Oil

CHEM ENG 5019 Oil and Gas Combustion Technology	2
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Syllabuses

CHEM ENG 5026

Combustion and Environment (2892)

2 units 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

CHEM ENG 5027

Fuels and Combustion Laboratory Projects I (3632)

3 units 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

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

Graduate Certificate in Engineering (Signal Processing)

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: It is not expected that there will be an intake into the program in 2002.

Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 Duration of program

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.

2 Admission

2.1 Except as provided in 2.2 below an applicant for admission to the program of study for the Graduate Certificate shall have qualified for the degree of Bachelor of Engineering of Adelaide University 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.

2.2 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 2.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

3 Enrolment

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

4 Assessment and examinations

4.1 There shall be four classifications of pass in each course 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.

4.3 A candidate who fails in a course and desires to take the course 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 any course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

4.5 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.

5 Qualification requirements

5.1 To qualify for a Graduate Certificate in Engineering (Signal Processing) a candidate shall satisfactorily complete courses from 5.5 below with an aggregate units value of at least 12, including at least 6 units from Group A.

5.2 The courses presented shall not include any which is, in the opinion of the Faculty, substantially equivalent to another course presented for the Certificate or already counted towards another qualification.

5.3 Candidates wishing to enrol in courses for which they do not have the necessary preliminary knowledge may be required to take such bridging courses 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 program of study in a course a candidate shall, unless exempted by the Head of the Department offering the course:

- (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 course may prescribe.

5.5 Academic Program

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

Group A: core courses

ELEC ENG 5000 Neural Networks	2
ELEC ENG 5001 Introduction to Multisensor Data Fusion	2
ELEC ENG 5002 Radar Imaging	2
ELEC ENG 5003 Wavelet Transforms	2
ELEC ENG 5004 Computer Vision	2
ELEC ENG 5005 Estimation Theory	2
ELEC ENG 5006 Digital Signal Processing Techniques	2

Group B: elective courses

ELEC ENG 5021 Introduction to Surveillance Sensors and Systems	3
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Other relevant courses offered for Graduate Diploma and Graduate Certificate programs at Adelaide University, 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.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

ELEC ENG 5000

Neural Networks (1347)

2 units 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 course aims to introduce the principles of artificial neural networks and methodologies for applying neural networks to practical problems. At the end of the course 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%

ELEC ENG 5001

Introduction to Multisensor Data Fusion (2425)

2 units 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 course 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

ELEC ENG 5002

Radar Imaging (3449)

2 units 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 course 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 units; 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%

ELEC ENG 5003

Wavelet Transforms (4370)

2 units 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 course 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

ELEC ENG 5004

Computer Vision (6772)

2 units 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 course 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 course 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

ELEC ENG 5005

Estimation Theory (7759)

2 units 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 course 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

ELEC ENG 5006

Digital Signal Processing Techniques (9479)

2 units 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 course 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%

ELEC ENG 5021

Introduction to Surveillance Sensors and Systems

3 units semester 2

18 lecture hours, 12 tutorial/practical hours

The aim of the course is to provide an understanding of the role of sensors in a surveillance system, both in terms of their construction, the processing of their outputs and how their output information contributes to the overall system performance.

On completion of the course the student should be able to understand the generic principles underlying: the role of sensors in a surveillance system; the physical principles underlying sensor technology; the engineering design and construction of sensors; the role of the platform in determining sensor performance; techniques for processing and extracting information from sensor signals; the integration and fusion of different sensors; and the networking and combination of distributed sensors into an integrated surveillance system. Detailed case studies of radar, sonar, geophysical and infrared surveillance technologies will form part of the curriculum.

assessment: assignments, quiz

Graduate Certificate in Engineering (Structural Engineering)

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate a candidate shall satisfactorily complete a program 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.

2 Admission

2.1 Except as provided in Regulation 2.2 below, an applicant for admission to the program of study for the Graduate Certificate shall either:

- (i) have qualified for the degree of Bachelor of Engineering (Civil and Environmental) of Adelaide University *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 Adelaide University.

2.2 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 2.1 above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status and exemption

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 course counted for any other award of this University or other institution shall be counted as part of the requirements for the Graduate Certificate.

3 Enrolment

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

4 Assessment and examinations

4.1 There shall be four classifications of pass in each course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass. If a course has a Conceded Pass classification for the purpose of another award, any such course 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 course and desires to take the course 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 course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

5 Qualification requirements

5.1 To qualify for the Graduate Certificate in Engineering (Structural Engineering) a candidate shall satisfactorily complete all courses from Group A below plus courses from Group B to a value of at least 6 units.

5.2 The courses presented shall not include any which are, in the opinion of the Faculty, substantially equivalent to other courses presented for the Certificate or already counted towards another qualification.

5.3 Should any course in Group A be covered by 5.2 above then course/s with an equivalent units value from Group B may be substituted with the approval of the Head of Department.

5.4 Candidates wishing to enrol in courses for which they do not have the necessary preliminary knowledge may be required to take such bridging courses 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.

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

- (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 course may prescribe.

5.6 Academic Program

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

Group A - Compulsory Courses

C&ENVENG 5018 Structural Design III (Concrete)	3
C&ENVENG 5019 Structural Design III (Steel)	3

Group B - Elective Courses

C&ENVENG 5054 Advanced Composite Steel and Concrete Construction and Design	3
C&ENVENG 5055 Advanced Steel Design N	3
C&ENVENG 5056 Computer Methods of Structural Analysis and Design	3
C&ENVENG 5057 Design of Concrete Structures N	3
C&ENVENG 5058 Earthquake Engineering & Design	3
C&ENVENG 5059 Special Topics in Structural Engineering IV N	3

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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a program 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.

2 Admission requirements

2.1 Except as provided for in 2.2 below, a candidate for admission to the program 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.

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 the Graduate Diploma a person who does not qualify for admission to the program under 2.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each course 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 course and desires to take the course 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 course or division of a course may not enrol for the course 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 course is taught, shall be deemed to have failed the examination.

4 Qualification requirements

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

4.2 Diploma project: In addition to the program 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.

4.3 Academic Program

The candidate shall complete satisfactorily the following components:

- (a) Coursework to the value of 12 units from the following*:

MECH ENG 5003 Business Communication	2
MECH ENG 5005 Entrepreneurship & Innovation	2
MECH ENG 5010 Project Management and the Organisation	2
MECH ENG 5011 Small Business Finance	2
MECH ENG 5012 New Venture Feasibility Process	2

MECH ENG 5013 Small Business Operations	2
MECH ENG 5014 Small Business Practice	2
(b) MECH ENG 6000A/B Diploma Project in Business Enterprise	12

*Students should discuss their choice of courses with the Program Coordinator

4.4 **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

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

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 courses 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 program of study must be approved by the Head of Department or nominee at enrolment. The program also supports the University's Graduate Industry Linked Entrepreneurial Scheme (GILES) administered by the Thebarton Campus Office of Industry Liaison. Through this scheme graduates are placed within an organisation to work on a 12 month project.

*In addition to BIG candidates, the courses are open to any graduate with a degree from any discipline.

MECH ENG 5003

Business Communication (3738)

2 units 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, including class presentations

MECH ENG 5005

Entrepreneurship and Innovation (2664)

2 units semester 2

60 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: coursework, including class presentations

MECH ENG 5010

Project Management and the Organisation (2798)

2 units semester 1

60 hours

This course aims to provide students with a sound grasp of project management concepts and techniques and the interaction with the organisation on the project outcomes. Emphasis is placed on developing the knowledge, skills and abilities needed to put into practice sound methods and techniques that can be used to effectively manage a project from initiation to conclusion. The course focuses on topics that support project management issues in context with the interrelationships that they have with organisational cultures, systems and structures.

assessment: assignments, project work, seminar presentations

MECH ENG 5011

Small Business Finance (7391)

2 units semester 2

20 hours lectures, 16 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, three-hour closed book exam

MECH ENG 5012*

New Venture Feasibility Process

2 units semester 1

60 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: coursework submissions

* this course may be held in late January (summer school) to facilitate the need for BIG candidates to commence their feasibility studies. Check with course coordinator

MECH ENG 5013**Small Business Operations (1929)**

2 units semester 1

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

MECH ENG 5014**Small Business Practice (4586)**

2 units 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, including student presentations

MECH ENG 6000A/B**Diploma Project in Business Enterprise (8617)**

12 units 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 report documenting project work undertaken within an organisation.

assessment: written report

Graduate Diploma in Engineering (Environmental Engineering)

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a program 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.

2 Admission

2.1 Except as provided in 2.2 below, an applicant for admission to the program of study for the Graduate Diploma shall:

- (a) have qualified for the degree of Bachelor of Engineering of Adelaide University *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 Adelaide University *or*
- (c) have been admitted to the program of study for the Graduate Certificate in Engineering (Environmental Engineering). Courses passed for the Graduate Certificate will then be counted for the Graduate Diploma.

2.2 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 2.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

3 Enrolment

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

4 Assessment and examinations

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

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

4.3 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.

4.4 A candidate who fails in a course and desires to take the course 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.

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

5 Qualification requirements

5.1 To qualify for a Graduate Diploma in Engineering (Environmental Engineering) a candidate shall satisfactorily complete all courses from Group A in 5.6 below plus courses from Group B in 5.6 below to a value of 18 units.

5.2 The courses presented shall not include any which is, in the opinion of the Faculty, substantially equivalent to another course presented for the Diploma or already counted towards another qualification.

5.3 Should any course in Group A be covered by 5.2 above then a course/s with an equivalent units value from Group B may be substituted with the approval of the Head of Department.

5.4 Candidates wishing to enrol in courses for which they do not have the necessary preliminary knowledge may be required to take such bridging courses 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.

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

- (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 course may prescribe.

5.6 Academic Program

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

Group A: compulsory courses

C&ENVENG 5038 Environmental Engineering and Design III	3
CHEM ENG 5000 Transport Processes in the Environment	2
MICRO 3004 Introduction to Microbiology	1

Group B: elective courses

C&ENVENG 5039 Environmental Auditing & Design	3
C&ENVENG 5040 Environmental Processes, Modelling and Design	3
C&ENVENG 5041 Wastewater Engineering & Design	3
C&ENVENG 5042 Advanced Engineering Hydrology and Design	3
C&ENVENG 5043 Advanced Engineering Management and Design	3
C&ENVENG 5044 Advanced Water Distribution Systems and Design	3
C&ENVENG 5045 Advanced Water Engineering and Design	3
C&ENVENG 5046 Advanced Water Resources Management and Design	3
C&ENVENG 5047 Advanced Water Resources Planning and Design	3
C&ENVENG 5048 Groundwater Resources, Contamination and Design	3
C&ENVENG 5049 Introduction to Environmental Law N	3
C&ENVENG 5050 Special Topics in Management and Planning IV N	3
C&ENVENG 5051 Special Topics in Water Engineering IV N	3
C&ENVENG 5052 Waste Management Analysis & Design	3
C&ENVENG 5053 Numerical Methods in Environmental Engineering and Design	3
ECON 3018A/B Environmental Economics E	4

5.7 Transfer from Graduate Certificate

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

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

C&ENVENG 5038

Environmental Engineering and Design III

3 units semester 1

48 hours lectures, tutorials, laboratory work and design

Water treatment processes; water and land contamination; water and wastewater treatment processes; environmental geotechnics; groundwater contamination. In addition students will carry out an environmental design.

assessment: design 33%, coursework 20%, exam 47%

C&ENVENG 5039

Environmental Auditing and Design

3 units semester 1 or 2

24 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

C&ENVENG 5040

Environmental Processes, Modelling and Design

3 units semester 1 or 2

24 hours lectures, assignments and design; directed study

The course addresses the major steps in the development of engineering models, with a particular emphasis on water quality. Topics to be covered include model specification (environmental processes, model complexity, model application), model calibration (gradient methods, genetic algorithms), model verification and stochastic modelling (types of uncertainty, random variables, risk-based performance measures and reliability analysis, including Monte Carlo simulation and the first-order reliability method).

assessment: may include assignments and/or exam - further details to be advised at beginning of semester

C&ENVENG 5041

Wastewater Engineering and Design

3 units semester 1 or 2

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

Characteristics of wastewater; primary, secondary and tertiary treatment methods; sludge disposal; design of wastewater treatment plant.

assessment: exam 50%, project 50%

C&ENVENG 5042

Advanced Engineering Hydrology and Design

3 units semester 1 or 2

24 hours lectures, tutorials, project work

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

C&ENVENG 5043

Advanced Engineering Management and Design

3 units not offered in 2002

24 hours lectures, tutorials; 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: may include assignments and/or exam - further details to be advised at beginning of semester

C&ENVENG 5044

Advanced Water Distribution Systems and Design

3 units semester 1 or 2

24 hours lectures, tutorials; directed study

Water distribution systems analysis. Steady state analysis of pipe networks. Alternative formulations of equations for pipe networks. 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%

C&ENVENG 5045

Advanced Water Engineering and Design

3 units semester 1 or 2

24 hours lectures, tutorials; project work

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%

C&ENVENG 5046**Advanced Water Resources Management and Design**

3 units semester 1 or 2

24 hours lectures, tutorials; 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; design project

assessment: projects, assignments, exam

C&ENVENG 5047**Advanced Water Resources Planning and Design**

3 units semester 1 or 2

24 hours lectures, tutorials; 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%

C&ENVENG 5048**Groundwater Resources, Contamination and Design**

3 units not offered in 2002

24 hours lectures, tutorials, design; 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; design project.

assessment: exam 70%, assignments 30%

C&ENVENG 5049**Introduction to Environmental Law N**

3 units semester 2

24 hours lectures, tutorials

The course 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: may include assignments and/or exam - further details to be advised at beginning of semester

C&ENVENG 5050**Special Topics in Management and Planning IV N**

3 units semester 1 or 2

24 hours lectures, tutorials; directed study

Advanced topics in engineering management and planning.

assessment: may include assignments and/or exam - further details to be advised at beginning of semester

C&ENVENG 5051**Special Topics in Water Engineering IV N**

3 units semester 1 or 2

24 hours lectures, tutorials; directed study

Advanced topics in water engineering.

assessment: may include assignments and/or exam - further details to be advised at beginning of semester

C&ENVENG 5052**Waste Management Analysis and Design**

3 units semester 1 or 2

24 hours lectures, tutorials; 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; design project.

assessment: exam 80%, assignments 20%

C&ENVENG 5053**Numerical Methods in Environmental Engineering and Design**

3 units semester 1 or 2

24 hours lectures, tutorials; directed study

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: may include assignments and/or exam - further details to be advised at beginning of semester

CHEM ENG 5000**Transport Processes in the Environment (7678)**

2 units semester 2

24 lectures, 12 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%

ECON 3018A/B

Environmental Economics E (5631)

4 units full year

36 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%

MICRO 3004

Introduction to Microbiology (9142)

1 unit semester 1

20 hours lectures, tutorials, practical work

This course introduces fundamental aspects of bacterial structure, physiology and ecology. Topics include: characteristics and anatomy of bacterial cells; nutrition and design of growth media; fermentations; factors affecting growth of populations; sterilisation and disinfection; study of the interaction of bacteria with surfaces, and water quality and microbiology.

assessment: 30 min. written exam on lecture material 40%, written reports of practical work 30%, essay 30%

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

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty, the program 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.

2 Admission

2.1 Except as provided for in 2.2 below, an applicant for admission to the program for the Graduate Diploma shall:

- (a) have qualified in Adelaide University 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 2.1.(a) above *or*
- (c) have qualified in Adelaide University 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.

2.2 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 2.1 above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status or exemption

A candidate may not present for credit towards the Graduate Diploma any course 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 course.

2.4 Articulation with other awards

Notwithstanding these Specific Academic Program 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).

3 Assessment and examinations

3.1 There shall be four classifications of pass in each course 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 course and desires to take the course 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 course may not enrol for that course 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 Qualification requirements

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

Notes

- Each year the Department of Chemical Engineering shall determine which of the elective courses 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 courses offered by other departments or faculties, or by other institutions, to replace some of the elective courses in Group B.

4.2 Academic Program

Group A: core courses

CHEM ENG 5008 Combustion Heat Transfer	2
CHEM ENG 5013 Fuel and Combustion Technology	2
CHEM ENG 5016 Instrumentation and Control for Combustion Processes	2
CHEM ENG 5017 Introduction to Combustion Phenomena	3
CHEM ENG 6006 Chemical Reactions and Pollutant Formation	2
CHEM ENG 6009 Fuels and Combustion Laboratory Projects II	5
CHEM ENG 6010 Fuel and Combustion Seminars	2

Group B: elective course

General

CHEM ENG 5009 Combustion for High Temperature Processing	2
CHEM ENG 5010 Combustion Plant Safety and Management	2
CHEM ENG 6002 Combustion Emission Control	2
CHEM ENG 6005 Introduction to Combustion Aerodynamics	2

Coal

CHEM ENG 5006 Coal Combustion in Furnaces	2
CHEM ENG 5007 Coal Conversion Processes other than Combustion	2
CHEM ENG 6007 Coal Properties and Characterisation	2

Gas and Oil

CHEM ENG 5019 Oil and Gas Combustion Technology	2
CHEM ENG 6008 Energy Management & Conversion	2

Syllabuses

CHEM ENG 6002

Combustion Emission Control (1639)

2 units 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

CHEM ENG 6005

Introduction to Combustion Aerodynamics (7847)

2 units 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: please refer to the Master of Engineering (Fuels, Combustion and Emission Control) for further syllabus details.

Graduate Diploma in Engineering (Radio Frequency Engineering)

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: It is not expected that there will be an intake into the program in 2002.

Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 Duration of program

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

2 Admission

2.1 Except as provided in 2.2 below, an applicant for admission to the program for the Graduate Diploma shall:

- (a) have qualified in Adelaide University 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 Adelaide University.

2.2 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 2.1 above, but has given evidence satisfactory to the Faculty of **fitness to undertake work for the Graduate Diploma**.

2.3 Status or exemption

A candidate may not present for credit towards the Graduate Diploma any course 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 course.

2.4 Articulation with other awards

Notwithstanding these Specific Academic Program 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

Masters 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).

3 Assessment and examinations

3.1 There shall be four classifications of pass in each core course 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 course and desires to take the course 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 course may not enrol for that course 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 Qualification requirements

4.1 Academic Program

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

core courses

ELEC ENG 6000 Antennas and Propagation	3
ELEC ENG 6001 CAD of RF Circuits and Systems	3
ELEC ENG 6002 Introduction to RF Design	4
ELEC ENG 6005 RF Measurements and Testing	3
ELEC ENG 6006 Transmission Lines and Waveguides	3

directed readings

ELEC ENG 6003 Readings in RF Engineering 2	4
ELEC ENG 6004 Readings in RF Engineering 1	4

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

core courses

ELEC ENG 6000

Antennas and Propagation (6883)

3 units

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

ELEC ENG 6001

CAD of RF Circuits and Systems (3584)

3 units

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

ELEC ENG 6002

Introduction to RF Design (1973)

4 units

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

ELEC ENG 6005

RF Measurements and Testing (5236)

3 units

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

ELEC ENG 6006

Transmission Lines and Waveguides (4020)

3 units

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

directed readings

ELEC ENG 6003

Readings in RF Engineering 2 (8272)

4 units

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

ELEC ENG 6004

Readings in RF Engineering 1 (5062)

4 units

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.

Graduate Diploma in Engineering (Structural Engineering)

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a program 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.

2 Admission requirements

2.1 Except as provided in 2.2 below, an applicant for admission to the program of study for the Graduate Diploma shall:

- (i) have qualified for the degree of Bachelor of Engineering (Civil & Environmental) of Adelaide University *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 Adelaide University *or*
- (iii) have been admitted to the program of study for the Graduate Certificate in Engineering (Structural Engineering). Courses passed for the Graduate Certificate will then be counted for the Graduate Diploma.

2.2 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 2.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

2.3 Status and exemption

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 rules as the Faculty may determine. Otherwise, no course counted for any other award of this University or other institution shall

be counted as part of the requirements for the Graduate Diploma.

3 Enrolment

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

4 Assessment and examinations

4.1 There shall be four classifications of pass in each course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass. If a course has a Conceded Pass classification for the purpose of another award, any such course 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 course and desires to take the course 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 course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

5 Qualification requirements

5.1 To qualify for the Graduate Diploma in Engineering (Structural Engineering) a candidate shall satisfactorily complete all courses from Group A below plus courses from Group B to a value of at least 12 units.

5.2 The courses presented shall not include any course which is, in the opinion of the Faculty, substantially equivalent to

another course presented for the Diploma or already counted towards another qualification.

- 5.3** Should any course in Group A be covered by 5.2 above then course(s) with an equivalent units value from Group B may be substituted with the approval of the Head of Department.
- 5.4** Candidates wishing to enrol in courses for which they do not have the necessary preliminary knowledge may be required to take such bridging courses 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.
- 5.5** To complete a program of study in a course a candidate shall, unless exempted by the Head of the Department offering the course:
- (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 course may prescribe.

5.6 Academic Program

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

Group A - Compulsory Courses

C&ENVENG 5018 Structural Design III (Concrete)	3
C&ENVENG 5019 Structural Design III (Steel)	3
C&ENVENG 6020A/B Advanced Structural Investigation	6

Group B - Elective Courses

C&ENVENG 5054 Advanced Composite Steel and Concrete Construction and Design	3
C&ENVENG 5055 Advanced Steel Design N	3
C&ENVENG 5056 <i>Computer Methods</i> of Structural Analysis and Design	3
C&ENVENG 5057 Design of Concrete Structures N	3
C&ENVENG 5058 Earthquake Engineering & Design	3
C&ENVENG 5059 Special Topics in Structural Engineering IV N	3

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

C&ENVENG 5018

Structural Design III (Concrete) (4967)

3 units semester 2

36 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: may include assignments and/or exam - further details to be advised at start of semester

C&ENVENG 5019

Structural Design III (Steel) (6859)

3 units semester 1

48 hours lectures, tutorials, design work

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

assessment: may include assignments and/or exam - further details to be advised at start of semester

C&ENVENG 5054

Advanced Composite Steel and Concrete Construction and Design

3 units semester 1 or 2

24 hours lectures, tutorials; 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%

C&ENVENG 5055

Advanced Steel Design N

3 units semester 1 or 2

24 hours lectures, design; 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

C&ENVENG 5056

Computer Methods of Structural Analysis and Design

3 units semester 1 or 2

24 hours lectures, tutorials, practicals; directed study

The objective of this course is to make students aware of the mathematical basis of structural analysis software programs and develop a competence in the use of such programs. Topics include basic theory and formulation of finite element analysis; two and three-dimensional elements; linear analysis of plane and space frameworks; an introduction to non-linear structural analysis. Computer modelling of real structures and practical aspects of computer analysis will be illustrated with a number of examples. Students will use commercial software to solve simple problems.

assessment: may include assignments and/or exam - further details to be advised at start of semester

C&ENVENG 5057

Design of Concrete Structures N

3 units semester 1 or 2

24 hours lectures, tutorials; 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: to include a project on advanced topics in reinforced or prestressed concrete structures

C&ENVENG 5058

Earthquake Engineering and Design

3 units semester 1 or 2

24 hours lectures, tutorials; directed study

The course will cover the basic concepts of dynamic analysis of structures and the design of structures to resist 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: coursework 40%, final exam 60%

C&ENVENG 5059

Special Topics in Structural Engineering IV N

3 units semester 1 or 2

24 hours lectures, tutorials; directed study

Advanced topics in structural engineering.

assessment: may include assignments and/or exam - further details to be advised at start of semester

C&ENVENG 6020A/B

Advanced Structural Investigation (8256)

6 units full year

120 hours research and directed study

Research project in advanced structural concepts.

assessment: research project

Master of Applied Science

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Admission

- 1.1 The following may be accepted as a candidate for the degree:
- (a) a person who has qualified in Adelaide University for the Honours degree of Bachelor of Science, Applied Science or Agricultural Science *or*
 - (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 Adelaide University 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.*
- * 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 Subject to the approval of Council, the Faculty may, in special 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.
- 1.4 Preliminary work
- 1.4.1 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.

- 1.4.2 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 programs of study and/or other work as may be prescribed by the Faculty.

2 Assessment and examination

2.1 Review of academic progress

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

- 3.1 To qualify for the degree a candidate shall:
- (a) on completion of any preliminary work which may be prescribed in the Specific Academic Program 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 Academic Program 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 program 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.

3.5 Program of study

note: Under the Specific Academic Program 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.

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 units
- (b) A one-third coursework program comprising Supervised Project Work to the value of 16 units and coursework to the value of at least 8 units
- (c) A two-thirds coursework program comprising Supervised Project Work to the value of 8 units and coursework to the value of at least 16 units.

3.6 Classification of courses

Courses forming part of any coursework component for the degree shall be classified as follows:

Group A: postgraduate courses

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

Group B: advanced level courses

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

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

Group C: ordinary level courses

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

3.7 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.

3.7.1 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.

3.7.2 For a one-third coursework degree, the program may not contain more than a total of 6 units of courses from Groups B and C, whereas a two-thirds coursework degree may not contain more than a total of 8 units of courses from Groups B and C.

3.7.3 For a one-third coursework degree, the program may not contain more than 6 units of courses from outside the School of Engineering*, whereas a two-thirds coursework degree may not contain more than 8 units of courses 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.

3.7.4 A coursework program may contain greater than the minimum number of required units, in which case the determination of whether the coursework requirements have been satisfied or not will include only the best results from eligible courses amounting to the required number of units.

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

3.7.6 A course 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.

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

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

3.8 Academic Program

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

Master of Engineering

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Admission requirements

Subject to these Specific Academic Program Rules, a person who has been admitted in Adelaide University 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 approves 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 resubmit 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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty, the program 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.

2 Admission requirements

2.1 Except as provided for in 2.2 below, an applicant for admission to the program shall:

- (a) have qualified in Adelaide University 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 2.1.(a) above *or*
- (c) have qualified in Adelaide University 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.

2.2 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 2.1 above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status or exemption

A candidate may not present for credit towards the degree any course 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 course.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each course 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 course and desires to take the course 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 course may not enrol for that course 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 Qualification requirements

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

Notes

- 1 Each year the Department of Chemical Engineering shall determine which of the elective courses 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 courses offered by other Departments or Faculties, or by other institutions, to replace some of the elective courses in Group B.

4.2 Academic Program

Group A: core courses

CHEM ENG 5008 Combustion Heat Transfer	2
CHEM ENG 5013 Fuels and Combustion Technology	2
CHEM ENG 5016 Instrumentation and Control for Combustion Processes	2
CHEM ENG 5017 Introduction to Combustion Phenomena	3
CHEM ENG 6006 Chemical Reactions and Pollutant Formation	2
CHEM ENG 6009 Fuels and Combustion Laboratory Projects II	5
CHEM ENG 6010 Fuels and Combustion Seminars	2
CHEM ENG 7001 Advanced Combustion Aerodynamics	2
CHEM ENG 7010 Advanced Research/Design Projects	12

Group B: elective courses

General

CHEM ENG 5009 Combustion for High Temperature Processing	2
CHEM ENG 5010 Combustion Plant Safety and Management	2
CHEM ENG 7003 Advanced Combustion Diagnostic Techniques	2
CHEM ENG 7019 Advanced Combustion Emission Control	2
CHEM ENG 7020 New and Alternative Fuels	2

Coal

CHEM ENG 5006 Coal Combustion in Furnaces	2
CHEM ENG 5007 Coal Conversion Processes other than Combustion	2
CHEM ENG 6007 Coal Properties and Characterisation	2

Gas and Oil

CHEM ENG 5019 Oil and Gas Combustion Technology	2
CHEM ENG 6008 Energy Management & Conversion	2

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

CHEM ENG 5006

Coal Combustion in Furnaces (8791)

2 units 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

CHEM ENG 5007

Coal Conversion Processes other than Combustion (4115)

2 units 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

CHEM ENG 5008

Combustion Heat Transfer (5475)

2 units 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

CHEM ENG 5009

Combustion for High Temperature Processing (1120)

2 units 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

CHEM ENG 5010

Combustion Plant Safety and Management (4529)

2 units 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

CHEM ENG 5013

Fuels and Combustion Technology (5552)

2 units 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

CHEM ENG 5016

Instrumentation and Control for Combustion Processes (3516)

2 units 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

CHEM ENG 5017

Introduction to Combustion Phenomena (6647)

3 units 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

CHEM ENG 5019

Oil and Gas Combustion Technology (6030)

2 units 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

CHEM ENG 6006

Chemical Reactions and Pollutant Formation (2723)

2 units 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

CHEM ENG 6007

Coal Properties and Characterisation (9547)

2 units 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

CHEM ENG 6008

Energy Management and Conversion (8827)

2 units 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

CHEM ENG 6009

Fuels and Combustion Laboratory Projects II (5120)

5 units 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

CHEM ENG 6010

Fuels and Combustion Seminars (6485)

2 units 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%

CHEM ENG 7001

Advanced Combustion Aerodynamics (1337)

2 units 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

CHEM ENG 7003

Advanced Combustion Diagnostic Techniques (2286)

2 units 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

CHEM ENG 7010

Advanced Research/Design Projects (5102)

12 units 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 course, each student must visit at least eight approved industrial facilities. A plant tour may be arranged by the Department.

assessment: research project, written report on topic specified by Department, present seminar on project results, quiz

CHEM ENG 7019

Advanced Combustion Emission Control (7971)

2 units 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

CHEM ENG 7020

New and Alternative Fuels (8700)

2 units 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

Master of Engineering (Radio Frequency Engineering)

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: It is not expected that there will be an intake into the program in 2002.

Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 Duration of program

The program 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 program in a minimum of six semesters of part-time study.

2 Admission

2.1 Except as provided in 2.2 below, an applicant for admission to the program shall:

- (a) have qualified in Adelaide University 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 Adelaide University.

2.2 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 2.1 above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the Master of Engineering.

2.3 Status or Exemption

A candidate may not present for credit towards the Master of Engineering any course 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 course.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each core course 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 course and desires to take the course 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 course may not enrol for that course 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 Adelaide University.

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 Qualification requirements

To qualify for the Master of Engineering (Radio Frequency Engineering) a candidate shall satisfactorily complete the courses listed below, to a total value of 36 units:

4.1 Academic Program

core courses

ELEC ENG 6000 Antennas and Propagation	3
ELEC ENG 6001 CAD of RF Circuits and Systems	3
ELEC ENG 6002 Introduction to RF Design	4
ELEC ENG 6005 RF Measurements and Testing	3
ELEC ENG 6006 Transmission Lines & Waveguides	3

directed readings

ELEC ENG 6003 Readings in RF Engineering 2	4
ELEC ENG 6004 Readings in RF Engineering 1	4

research project

ELEC ENG 7019 RF Engineering Research Project	12
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Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

core courses

ELEC ENG 6000

Antennas and Propagation (6883)

3 units

ELEC ENG 6001

CAD of RF Circuits and Systems (3584)

3 units

ELEC ENG 6002

Introduction to RF Design (1973)

4 units

ELEC ENG 6005

RF Measurements and Testing (5236)

3 units

ELEC ENG 6006

Transmission Lines and Waveguides (4020)

3 units

See Graduate Diploma in Engineering (RFE) for syllabus details

directed readings

ELEC ENG 6003

Readings in RF Engineering 2 (8272)

4 units

ELEC ENG 6004

Readings in RF Engineering 1 (5062)

4 units

See Graduate Diploma in Engineering (RFE) for syllabus details

research project

ELEC ENG 7019

RF Engineering Research Project (7085)

12 units

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 program.

Master of Engineering Science

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Admission

- 1.1 The following may be accepted as a candidate for the degree:
- (a) a person who has qualified in Adelaide University 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 Adelaide University *or*
 - (c) a person who has qualified in Adelaide University 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 Adelaide University, 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 Subject to approval of Council, the Faculty may, in special 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.

1.4 Preliminary work

- 1.4.1 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.
- 1.4.2 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 programs of study and/or other work as may be prescribed by the Faculty.

2 Assessment and examination

2.1 Review of academic progress

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 program 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 candidate's 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.

3.5 Program of study

Note: under the Specific Academic Program 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.

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 units
- (b) A one-third coursework program comprising Supervised Project Work to the value of 16 units and coursework to the value of at least 8 units
- (c) A two-thirds coursework program comprising Supervised Project Work to the value of 8 units and coursework to the value of at least 16 units.

3.6 Classification of courses

Courses forming part of any coursework component for the degree shall be classified as follows:

Group A: Postgraduate courses

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

Group B: Advanced Level courses

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

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

Group C: Ordinary Level courses

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

3.7 Coursework requirements

Note: this Specific Academic Program 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.

3.7.1 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.

3.7.2 For a one-third coursework degree, the program may not contain more than a total of 6 units of courses from Groups B and C, whereas a two-thirds coursework degree may not contain more than a total of 8 units of courses from Groups B and C.

3.7.3 For a one-third coursework degree, the program may not contain more than 6 units of courses from outside the School of Engineering*, whereas a two-thirds coursework degree may not contain more than 8 units of courses 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.

3.7.4 A coursework program may contain greater than the minimum number of required units, in which case the determination of whether the coursework requirements have been satisfied or not will include only the best results from eligible courses amounting to the required number of units.

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

3.7.6 A course 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.

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

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

3.8 Academic Program

The following shall be the courses for the Master of Engineering Science:

Group A: postgraduate courses

(a) Department of Electrical and Electronic Engineering

ELEC ENG 7000 Multisensor Data Fusion	2
ELEC ENG 7015 Adaptive Signal Processing	2
ELEC ENG 7017 Beamforming and Array Processing	2
ELEC ENG 7020 Computer Arithmetic and VLSI	1
ELEC ENG 7022 VLSI Devices and Modelling	1
ELEC ENG 7027 Real Time Computer Systems	2
ELEC ENG 7028 Signal Processing (Telecommunications)	2
ELEC ENG 7029 Stochastic Processes in Communication Systems	2
ELEC ENG 7030 Microelectronic Systems A	1
ELEC ENG 7031 Microelectronic Systems B	2
ELEC ENG 7032 Microelectronic Systems C	2
ELEC ENG 7033 Principles of RF Engineering	3
ELEC ENG 7034 Antennas, Waveguides & Propagation	3
ELEC ENG 7035 RF Design A	2
ELEC ENG 7036 RF Design B	2
ELEC ENG 7037 RF Design C	2
ELEC ENG 7038 RF Systems	2
ELEC ENG 7039 Detection Theory	2

(b) Department of Mechanical Engineering

MECH ENG 5003 Business Communication	2
MECH ENG 5005 Entrepreneurship and Innovation	2
MECH ENG 5011 Small Business Finance	2
MECH ENG 5012 New Venture Feasibility Process	2
MECH ENG 5013 Small Business Operations	2
MECH ENG 5014 Small Business Practice	2

(c) School of Mathematical and Computer Sciences

APP MTH 5005 Optimisation III	2
APP MTH 6005 Mathematical Programming III	2
APP MTH 6006 Stochastic Modelling for Telecommunications III	2
APP MTH 7012 Communication Network Design	2
APP MTH 7014 Teletraffic Models	2
APP MTH 7043 Transform Methods & Signal Processing	2
PURE MTH 7041 Mathematical Coding & Cryptology	2

Group B: advanced courses**Chemical**

CHEM ENG 5002 Advanced Materials Engineering	2
CHEM ENG 5003 AI Applications in Engineering Design	2
CHEM ENG 5004 Biochemical Engineering	2
CHEM ENG 5005 Biomedical Engineering	2
CHEM ENG 5011 Combustion Processes	2
CHEM ENG 5012 Environmental Engineering	2
CHEM ENG 5014 Hydrocarbon Reservoirs	2
CHEM ENG 5015 Industrial Rheology	2
CHEM ENG 5018 Minerals Processing	2
CHEM ENG 5020 Particulate Technology	2
CHEM ENG 5021 Plant and Safety Engineering	2
CHEM ENG 5022 Reaction Engineering	2
CHEM ENG 5023 Special Management Studies	2
CHEM ENG 5024A/B Special Studies in Chemical Engineering	2
CHEM ENG 5025 Thermal Process Synthesis and Integration	2

Civil and Environmental*Environmental Engineering*

C&ENVENG 5039 Environmental Auditing and Design	3
C&ENVENG 5040 Environmental Processes, Modelling and Design	3
C&ENVENG 5048 Groundwater Resources, Contamination and Design	3
C&ENVENG 5052 Waste Management Analysis & Design	3
C&ENVENG 5053 Numerical Methods in Environmental Engineering and Design	3
C&ENVENG 5063 Special Topics in Environmental Engineering IV N	3

Geotechnical Engineering

C&ENVENG 5060 Advanced Foundation Engineering and Design	3
C&ENVENG 5061 Geotechnical Modelling and Design	3
C&ENVENG 5062 Special Topics in Geotechnical Engineering IV N	3

Management and Planning

C&ENVENG 5043 Advanced Engineering Management and Design	3
C&ENVENG 5050 Special Topics in Management and Planning IV N	3

Structural Engineering

C&ENVENG 5054 Advanced Composite Steel and Concrete Construction and Design	3
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C&ENVENG 5055 Advanced Steel Design N	3
C&ENVENG 5056 Computer Methods of Structural Analysis and Design	3
C&ENVENG 5057 Design of Concrete Structures N	3
C&ENVENG 5058 Earthquake Engineering & Design	3
C&ENVENG 5059 Special Topics in Structural Engineering IV N	3

Water Engineering

C&ENVENG 5042 Advanced Engineering Hydrology and Design	3
C&ENVENG 5044 Advanced Water Distribution Systems and Design	3
C&ENVENG 5045 Advanced Water Engineering & Design	3
C&ENVENG 5046 Advanced Water Resources Management and Design	3
C&ENVENG 5047 Advanced Water Resources Planning and Design	3
C&ENVENG 5051 Special Topics in Water Engineering IV N	3

Computer Science

COMP SCI 6001 Computer Architectures	2
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Electrical and Electronic*Electrical and Electronic, Adelaide University*

ELEC ENG 5007 Advanced Analog VLSI A	1
ELEC ENG 5008 Advanced Analog VLSI B	2
ELEC ENG 5009 Advanced Digital VLSI A	1
ELEC ENG 5010 Advanced Digital VLSI B	2
ELEC ENG 5011 Advanced Communication Theory	1
ELEC ENG 5012 Advanced Electromagnetic Engineering	1
ELEC ENG 5013 Advanced Signal Processing	1
ELEC ENG 5014 Advanced Control	1
ELEC ENG 5015 Broadband and ATM Networks	1
ELEC ENG 5016 Optical Communications	1
ELEC ENG 5017 Real Time Systems	1
ELEC ENG 5018 Signal Processing B	1
ELEC ENG 5019 Signal Processing A	1
ELEC ENG 5020 Distributed Systems and Multimedia Communications	1

*Electrical and Electronic Engineering,
University of South Australia**

Communication System Theory	
Digital Transmission	
Error Control Coding	
Mobile Communications	
Optical Communications	

Satellite Communications

Speech Processing

* students wishing to enrol in courses 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

MECH ENG 5000 Advanced Automatic Control	2
MECH ENG 5001 Advanced Vibrations	2
MECH ENG 5002 Airconditioning	2
MECH ENG 5004 Engineering Acoustics	2
MECH ENG 5006 Fracture Mechanics	2
MECH ENG 5016 Robotics M	2
MECH ENG 5017 Topics in Welded Structures	2
MECH ENG 5018 Advanced Topics in Fluid Mechanics	2
MECH ENG 5019 Combustion Technology and Emissions Control	2

Group C: Ordinary Level courses

Level III and IV courses (if not included above) listed in the Specific Academic Program Rules of degrees in the Faculties of Engineering, Computer and Mathematical Sciences, and Science.

Notwithstanding the above, the availability of all courses is conditional on the availability of staff and facilities and sufficient enrolments.

Syllabuses

The postgraduate and advanced level courses which are offered under Groups A and B may vary from year to year depending on availability of staff and demand for particular courses. Details of courses expected to be available each year are obtainable from the Postgraduate Course Advisors in each Department.

For the syllabuses of Engineering and Mathematical and Computer Sciences courses 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* in the Faculty of Science, and Graduate Certificate in Telecommunications in the School of Mathematical and Computer Sciences. Other courses may be presented towards the degree with the approval of the Faculty.

For details of courses offered by the University of South Australia, see the University of South Australia Calendar.

* details of these programs are listed in the Adelaide University Calendar, Part 1 Undergraduate Academic Programs.

Master of Software Engineering

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 Duration of the program

Except with the permission of the Faculty, the courses 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 5.4 below to complete courses to the value of at least 48 units: two years *or*
- (b) for students required by rule 5.4 below to complete courses to the value of at least 36 units: one and a half years.

2 Admission

2.1 The Faculty may accept as a candidate for the degree any person who has completed one of the following at Adelaide University:

- (a) the degree of Bachelor of Computer Science or Bachelor of Mathematical and Computer Sciences with a major in Computer Science including the course COMP SCI 3006 Software Engineering and Project or the Bachelor of Information Science with a major in Computer Science including the course COMP SCI 3006 Software Engineering and Project or the Graduate Diploma in Computer Science *or*
- (b) the Honours degree of Bachelor of 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 courses COMP SCI 3006 Software Engineering and Project and COMP SCI 3004 Operating Systems.

2.2 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 2.1 above.

2.3 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 2.1 or 2.2 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.4 A candidate admitted under 2.3 above may be required to undertake such preliminary work as the Faculty may determine.

2.5 Admission to the program 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.

2.6 Status, exemption and credit transfer

2.6.1 The Faculty may grant status of up to the value of 12 units 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 Adelaide University, or within an equivalent degree of another tertiary institution. These candidates will still need to present a minimum of 24 units towards the Master of Software Engineering that have not been presented for any other degree.

2.6.2 Except as provided for in 2.6.1, a candidate may not count towards the degree a course or closely related course or part of a course that has already been presented for another degree or diploma.

3 Enrolment

Each candidate's program of study must be approved by the Dean (or nominee) at enrolment each year. Students may be interviewed to assess their suitability for course choices.

4 Assessment and examinations

- 4.1 If a course has a Conceded Pass classification for the purpose of another award any such course 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 course 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 course and desires to take the course 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 course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.

4.7 Review of academic progress

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.

5 Qualification requirements

- 5.1 A candidate shall:
- (a) satisfactorily complete any preliminary work which may be prescribed
 - (b) satisfy examiners in courses 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.
- 5.2 To complete a course of study a candidate shall, unless exempted by the Head of the Department offering the course:
- (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 course may prescribe.

- 5.3 The program, which shall normally extend over two years of full-time study, consists of three components:
- (a) a project
 - (b) Computer Science courses *and*
 - (c) Engineering courses.

Courses 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).

5.4 Program of study

To qualify for the degree a candidate shall satisfactorily complete a program of study comprising a project to the value of 9 units and coursework courses as follows:

- (a) for students admitted with the qualification described in Rule 2.1(a) above or the equivalent: courses to the value of at least 15 units from Group A and at least 24 units from Group B as set out in Rule 5.5 below
- (b) for students admitted with the qualification described in Rule 2.1(b) above or the equivalent: courses to the value of at least 3 units from Group A and at least 24 units from Group B as set out in Rule 5.5 below
- (c) for students admitted with the qualification described in Rule 2.1(c) above or the equivalent who have specialised in Information Technology within that qualification: courses to the value of at least 15 units from Group A and at least 12 units from Group B as set out in Rule 5.5 below
- (d) for students admitted with the qualification described in Rule 2.1(c) above or equivalent who have not specialised in Information Technology within that qualification: courses to the value of at least 24 units from Group A and at least 15 units from Group B as set out in Rule 5.5 below.

5.5 Courses of study

Project

COMP SCI 7049A/B Software Engineering Project 9

Group A

core courses

COMP SCI 7065A/B Software Development Studio 6

COMP SCI 7066 Advanced Software Engineering 2

or

COMP SCI 7074 Software Management Project 3

elective courses

Chosen from courses listed in Specific Academic Program Rule 5.2.2 for the degree of Master of Computer Science

Group B

*elective courses**

Chosen from

COMP SCI 7007 Advanced Software Engineering B	2.5
COMP SCI 7017 Systems Analysis (M.Comp.Sc.)	2.5
COMP SCI 7023 Advanced Software Engineering C	2.5
COMP SCI 7031 Advanced Programming Paradigms (M.Comp.Sc.)	2.5
COMP SCI 7036 Advanced Software Engineering D	2.5
COMP SCI 7039 Computer Networks (M.Comp.Sc.)	2.5
COMP SCI 7041 Compiler Construction and Project (M.Comp.Sc.)	2.5
COMP SCI 7050 Parallel Computation	2.5
COMP SCI 7054 Advanced Software Engineering A	2.5

* not all electives may be offered in any one year

Students may, with the agreement of the Dean (or nominee), be permitted to undertake other courses drawn from existing Level IV, Level V, honours and postgraduate courses in relevant programs, or to enrol in relevant courses offered by the University of South Australia or the Flinders University of South Australia.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

COMP SCI 7049A/B

Software Engineering Project (3577)

9 units full year

175 hours practical work

To give 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 course is equivalent to the project that is undertaken as part of the honours degree in Computer Science.

assessment: software developed, written report

COMP SCI 7065A/B

Software Development Studio (3840)

6 units full year

project based

prerequisite 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 course Software Management Project. The Studio provides an opportunity for students to apply the knowledge and skills gained in other programs 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 a 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

COMP SCI 7066

Advanced Software Engineering (5541)

2 units semester 1

65 hours practical work

prerequisite 6263 Software Engineering and Project

The aim of the course 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 hours exam

COMP SCI 7074

Software Management Project (4068)

3 units semester 2

project based

prerequisite 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

Note: Please see Master of Computer Science (School of Mathematical and Computer Sciences, in this volume) and Bachelor of Mathematical and Computer Sciences (University Calendar, Part 1 -Undergraduate Academic Programs) for other syllabus details.

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Faculty of Humanities and Social Sciences

Website: www.arts.adelaide.edu.au

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Graduate Diploma in Creative Writing

Grad.Dip.Cr.Wr.

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D. Litt.

Academic Program Rules available from the Faculty of Humanities and Social Sciences

Doctor of Philosophy

Ph.D.

Please refer to the Graduate Studies section (see Contents) for Academic Program Rules

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Graduate Certificate in Applied Anthropology
Graduate Certificate in Applied Historical Studies
Graduate Certificate in Applied Linguistics
Graduate Certificate in Art History
Graduate Certificate in Creative Writing
Graduate Certificate in Environmental Studies
Graduate Certificate in Gastronomy
Graduate Certificate in International Studies
Graduate Certificate in Labour Studies
Graduate Certificate in Population Studies
Graduate Certificate in Spatial Information Science
Graduate Certificate in Women's Studies
International Graduate Certificate in Environmental Management
Graduate Diploma in Applied Anthropology
Graduate Diploma in Applied Historical Studies
Graduate Diploma in Applied Linguistics
Graduate Diploma in Art History
Graduate Diploma in Creative Writing
Graduate Diploma in Environmental Studies
Graduate Diploma in Gastronomy
Graduate Diploma in International Studies
Graduate Diploma in Labour Studies
Graduate Diploma in Population and Human Resources
Graduate Diploma in Spatial Information Science
Graduate Diploma in Women's Studies
International Graduate Diploma in Environmental Management
Master of Arts
Master of Arts (Applied Anthropology)
Master of Arts (Applied Historical Studies)
Master of Arts (Applied Linguistics)
Master of Arts (Creative Writing)
Master of Arts (Gastronomy)
Master of Arts (Geographic Information Systems and Remote Sensing)
Master of Arts (International Studies)
Master of Arts (Labour Studies)
Master of Arts (Population and Human Resources)
Master of Arts (Public Affairs)
Master of Arts (Studies in Art History)
Master of Arts (Women's Studies)

Master of Environmental Management

Master of Environmental Studies

Master of Spatial Information Science

Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General Academic Program Rules to the Convenor of the Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific Academic Program 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 Anthropology

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters

Specific Academic Program Rules

1 **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.

2 **Admission**

2.1 An applicant for admission to the academic program for the Graduate Certificate in Applied Anthropology 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.

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 Graduate Certificate.

2.3 **Status, exemption and credit transfer**

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 **Articulation with other awards**

2.4.1 Students who complete this academic program are also eligible to apply for entry to the Graduate Diploma in Applied Anthropology, and be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 Students who have conferred upon them the award of Graduate Certificate in Applied Anthropology who

subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the Graduate Diploma in Applied Anthropology 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.

3 **Assessment and examinations**

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

- 3.2**
- (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.

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

4 **Qualification requirements**

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

4.1 **Academic Program**

4.1.1 **BCore Courses**

All candidates shall complete the following core course:

ANTH 5002 Anthropological Practice 6

4.1.2 **Elective Courses**

All candidates shall complete 6 units selected from the following elective courses:

ANTH 5001 Anthropology for Native Title Practice 6

ANTH 5004 Social Theory Applications 6

ANTH 5005 An Anthropology of Justice and Law	6
ANTH 5006 Environmentalism: Anthropological Perspectives	6
ANTH 5007 Health: Institutions, Discourses and Power	6
ANTH 5008 Research Internship	6

Syllabuses

See Master of Arts (Applied Anthropology) for syllabus details

- 4.1.3 No candidate will be permitted to count for the Graduate Certificate any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award.

Graduate Certificate in Applied Historical Studies

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters

Specific Academic Program Rules

1 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.

2 Admission

2.1 An applicant for admission to the program 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.

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 Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this program are also eligible to apply for entry to the Graduate Diploma in Applied Historical Studies program, and be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 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.

2.4.3 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.

3 Assessment and examinations

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

3.2 (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.

4 Qualification requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units as follows:

4.1 Academic Program

4.1.1 Core courses

All candidates shall complete the following courses:

HIST 5003 Public History: Principles & Practice	6
HIST 5005 Heritage and History in Contemporary Australia	6

4.1.2 No candidate will be permitted to count for the Graduate Certificate any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

Syllabuses

See Master of Arts (Applied Historical Studies) for syllabus details

Graduate Certificate in Applied Linguistics

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters

Specific Academic Program Rules

1 **Duration of program**

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.

2 **Admission**

2.1 An applicant for admission to the program 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.

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 Graduate Certificate

2.3 **Status, exemption and credit transfer**

2.3.1 A candidate normally would not be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 **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

3 **Assessment and examinations**

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

3.2 (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.

4 **Qualification requirements**

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

4.1 **Academic Program**

4.1.1 **Core courses**

All candidates shall complete one of the following courses:

LING 5009 Language Teaching in Specific Settings 3
or

LING 5011 Language Teaching Methods 3

4.1.2 **Elective Courses**

All candidates shall complete elective courses to the value of 6 units chosen from the following:

ARTS 5003 Directed Study P/G 3

LING 5001 Computer Assisted Language Learning - CALL 3

LING 5010 English for Academic Purposes 3

LING 5041 Action Research 3

4.1.3 Students may select the other core option as an elective

4.1.4 No candidate will be permitted to count for the Graduate Certificate any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

Core course

LING 5009

Language Teaching in Specific Settings(3420)

3 units semester 2

For this course students study contemporary curriculum principles and the design of curriculum for different purposes and contexts. The contexts include teaching English to speakers of other languages (TESOL), first language education and adult literacy. There is a particular focus on curriculum in action together with a critical review of various approaches to curriculum design.

assessment: critical review of one curriculum and a curriculum design project

Or

LING 5011

Language Teaching Methods (7347)

3 units semester 1, 2 or summer

In this course students analyse leading-edge developments in language and literacy education. The course combines practical teaching strategies with theoretical analyses of language and language learning. The course has applications to teaching English to speakers of other languages (TESOL) as well as to literacy and language education.

assessment: 2 seminar papers and 1 practical project.

Electives

ARTS 5003

Directed Study (9031)

3 units semester 1, 2 or summer

Content to be devised in consultation with the Head of Department

LING 5001

Computer Assisted Language Learning - CALL (8992)

3 units summer semester and semester 2

A practical introduction to the use of information technology, this course develops skills in the creation and use of electronic environments for educational purposes. Students have the opportunity to develop projects with applications to workplaces.

assessment: written report on an aspect of technoliteracy and documentation of a project on the use of information technology.

LING 5010

English for Academic Purposes (3305)

3 units semester 1, 2 or summer

The aim of this course is to extend students' command of English Language for working in academic and educational contexts. Students analyse characteristic features of academic texts from different disciplines.

assessment: 3 assignments

LING 5041

Action Research

3 units semester 1 or 2

In this course students conduct small-scale investigations into language practices in educational and other workplace settings. Project topics are negotiated with the Course Coordinator. The investigations are documented and reported in postgraduate seminars.

assessment: written documentation of action research project and seminar presentation

Language studies

3/6 units semester 1 or 2 or Full year

Students may do 3 or 6 units of Language plus one core subject, and any other 3 unit option/s to make up the full complement of 12 units.

Graduate Certificate in Art History

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters

Specific Academic Program Rules

1 Duration of program

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.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Certificate in Art History 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.

2.2 The Faculty may, course 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.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this academic program are also eligible to apply for entry to the Graduate Diploma in Art History and be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 Students who have conferred upon them the award of Graduate Certificate in Art History who subsequently

satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the Graduate Diploma in Art History 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.

3 Assessment and examinations

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

3.2 (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.

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

4 Qualification requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

4.1 Academic program

4.1.1 Core Courses

one course from the following:

HIST 5202 Studies in Asian Art	6
HIST 5203 Studies in Australian Art	6
HIST 5204 Studies in European Art Since the Renaissance	6

4.2 Elective Courses

one course from the following:

HIST 5200 Studies in European Paintings Connoisseurship	6
HIST 5201 Studies in Australian Colonial Art	6
HIST 5208 Studies in Twentieth Century Australian Art	6
HIST 5209 Studies in Australian Indigenous Art	6
HIST 5210 Studies in British Art	6
HIST 5211 Studies in Decorative Arts	6
HIST 5212 Studies in Japanese Art	6
HIST 5213 Studies in South-East Asian Art	6

4.2.1 Students also may present another core course from those listed in 4.1.1 as an elective.

4.3 No candidate will be permitted to count for the Graduate Certificate any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award.

Syllabuses

See Master of Arts (Studies in Art History) for syllabus details

Graduate Certificate in Creative Writing

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters

Specific Academic Program Rules

1 Duration of program

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.

2 Admission

2.1 An applicant for admission to the program 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

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 Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this program are also eligible to apply for entry to the Graduate Diploma in Creative Writing program, and be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 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

2.4.3 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.

3 Assessment and examinations

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

3.2 (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.

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

4 Qualification requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

4.1 Academic Program

All candidates shall complete

ENGL 5001 Work in Progress 8

ENGL 5002 Creative Writing Study A 4

Syllabuses

See Master of Arts (Creative Writing) for syllabus details

Graduate Certificate in Environmental Studies

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

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.

2 Admission

2.1 An applicant for admission to the program 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.

2.2 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 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 A candidate normally would not be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status

2.3.4 A candidate who fails a course and is allowed to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3 Assessment and examinations

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

3.2 (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 course.

3.3 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.

4 Qualification requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

4.1 Academic program

4.1.1 Core course

ENVT 5036 Principles of Environmental Studies 6

4.1.2 Elective courses

All candidates shall complete an elective course from the following:

ENVT 5007 Environmental Futures 6

ENVT 5012 Environmental Information Systems 6

ENVT 5013 Conserving Biodiversity in
Fragmented Landscapes 6

ENVT 5015 Environmental Management Field Study 6

ENVT 5018 Environmental Impact Assessment 6

ENVT 5025 Environmental Professional Internship 6

ENVT 5030 Environmental Policy 3

ENVT 5037 Special Topic in Environmental Studies 6

ENVT 5039 Sustainable Tourism Management 6

ENVT 5040 Environmental Processes:
Landscape and Soils 6

ENVT 5061 Integrated Coastal Management 6

ENVT 5089 Environmental Rehabilitation
and Reconstruction 6

4.1.3 No candidate will be permitted to count for the Graduate Certificate any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

Syllabuses

See Master of Environmental Studies for syllabus details

Graduate Certificate in Gastronomy

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of course

To qualify for the degree, a candidate shall satisfactorily complete the program of study within two years.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Certificate in Gastronomy 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.

2.2 The Faculty may, course 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.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this academic program are also eligible to apply for entry to the Graduate Diploma in Gastronomy and be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 Students who have conferred upon them the award of Graduate Certificate in Gastronomy who subsequently satisfy the requirements of the Graduate Diploma must

surrender their Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the Graduate Diploma in Gastronomy 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

3 Assessment and examinations

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

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

4 Qualification requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

4.1 Academic program

4.1.1 Core Courses

All candidates shall complete two of the following courses:

HIST 5300 Principles of Gastronomy	6
HIST 5301 Food and Drink in Contemporary Western Society	6
HIST 5302 Gastronomy and Communication	6

Syllabuses

See Master of Arts (Gastronomy) for syllabus details

Graduate Certificate in International Studies

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

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.

2 Admission

2.1 An applicant for admission to the program 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.

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 Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this program are also eligible to apply for entry to the Graduate Diploma in International Studies program, and be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 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.

2.4.3 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.

3 Assessment and examinations

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

3.2 (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.

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

4 Qualification requirements

To qualify for the Graduate Certificate a candidate shall satisfactorily complete courses to the value of 12 units as follows:

4.1 Academic program

4.1.1 Core course

INST 5000 Approaches and Issues
in International Studies

6

4.1.2 Elective courses

any one of the following courses:

INST 5001 International Politics in the Post Cold War World	6
INST 5002 International Studies IVA	6
INST 5003 International Studies IVB	6

- 4.1.3 No candidate will be permitted to count for the Graduate Certificate any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

Syllabuses

See Master of Arts (International Studies) for syllabus details

Graduate Certificate in Population Studies

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: this program is under review

Specific Academic Program Rules

1 Duration of program

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.

2 Admission

2.1 An applicant for admission to the program 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.

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 Graduate Certificate.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this program are also eligible to apply for entry to the Graduate Diploma in Population and Human Resources program, and be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 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.

2.4.3 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.

3 Assessment and examinations

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

- 3.2**
- (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.

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

4 Qualification requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units as follows:

4.1 Academic program

either

- (a) GEOG 5051 Computer Applications in Population Studies 4
- GEOG 5068 Population Data Analysis 4

and one course chosen from the following:

(b) GEOG 5049 Applied Demography	4
Geog 5050 Ageing of Populations: Causes and Consequences	4
GEOG 5054 Demography of the Family	4
GEOG 5089 Population Studies	4

or

any three courses chosen from those listed in Rule 4.1.1(b) above.

Syllabuses

See Master of Arts (Population and Human Resources) for syllabus details

Graduate Certificate in Spatial Information Science

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

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.

2 Admission

2.1 An applicant for admission to the program 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.

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 Graduate Certificate

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 Students who complete this program are also eligible to apply for entry to the Graduate Diploma in Spatial Information Science program, and be granted status for the work they have undertaken in the Graduate Certificate.

2.4.2 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.

2.4.3 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.

3 Assessment and examinations

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

3.2 (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.

4 Qualification requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to a total of 12 units, as follows:

4.1 Academic program

GISC 5008 Introduction to Spatial Data Models 3

GISC 5009 Introduction to Spatial Information Systems 3

GISC 5013 Spatial Data Modelling & Analysis 3

GISC 5014 Spatial Data Visualisation 3

Alternative courses may be made available as appropriate, depending on students' previous study or employment history.

GISC 5015 Special Topic in Spatial Data Models 3

GISC 5016 Special Topic in Spatial Data Modelling and Analysis 3

GISC 5017 Special Topic in Spatial Data Visualisation	3
GISC 5018 Special Topic in Spatial Information Systems	3

Syllabuses

See Master of Spatial Information Science syllabus details

International Graduate Certificate in Environmental Management

This program 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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 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.

2 Admission

2.1 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.

2.2 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.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3 Assessment and examinations

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

3.2 (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.

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

4 Qualification requirements

To qualify for the International Graduate Certificate in Environmental Management, a candidate shall satisfactorily complete courses to the value of 12 units from the following:

4.1 Academic program

ENVT 5001 Environmental Audit	3
ENVT 5010 Environmental Impact Assessment	3
ENVT 5014 Environmental Management Challenge	3
ENVT 5016 Environmental Management Systems	3
ENVT 5019 Environmental Project Management	3
ENVT 5033 Policy Building for Sustainable Development	3
ENVT 5035 Environmental Clean-up Tools	3
ENVT 5038 Special Study in Environmental Management	3
ENVT 5060 Global Environmental Futures	3
GISC 5009 Introductory Spatial Information Systems	3

Syllabuses

See Master of Environmental Management for syllabus details

Graduate Diploma in Applied Anthropology

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 **Duration of course**

Except with the special permission of the Faculty, the program 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.

2 **Admission**

2.1 An applicant for admission to the academic program for the Graduate Diploma in Applied Anthropology 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.

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 Graduate Diploma.

2.3 **Status, exemption and credit transfer**

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award other than the Graduate Certificate in Applied Anthropology (see Rule 2.4 below).

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 **Articulation with other awards**

2.4.1 A candidate who has been admitted to the Graduate Certificate in Applied Anthropology and who has been granted status toward the Graduate Diploma for courses presented for the Graduate Certificate must surrender the

Graduate Certificate before being admitted to the Graduate Diploma.

2.4.2 A candidate for the degree of Master of Arts (Applied Anthropology) 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.

3 **Assessment and examinations**

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

3.2 (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.

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

4 **Qualification requirements**

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.1 **Academic program**

4.1.1 **Core Courses**

All candidates shall complete the following core courses:

ANTH 5002 Anthropological Practice	6
ANTH 5004 Social Theory Applications	6

4.2 Elective Courses

All candidates shall complete 12 units selected from the following elective courses:

ANTH 5001 Anthropology for Native Title Practice	6
ANTH 5005 An Anthropology of Justice and Law	6
ANTH 5006 Environmentalism: Anthropological Perspectives	6
ANTH 5007 Health: Institutions, Discourses and Power	6
ANTH 5008 Research Internship	6

- 4.3 No candidate will be permitted to count for the Graduate Diploma any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award.

Syllabuses

See Master of Arts (Applied Anthropology) for syllabus details

Graduate Diploma in Applied Historical Studies

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

Except with the special permission of the Head of Department of History, the program 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.

2 Admission

2.1 An applicant for admission to the program 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.

2.2 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.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those candidates who have completed the Graduate Certificate in Applied Historical Studies (see Rule 2.4 below).

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 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.

2.4.2 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.

2.4.3 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.

3 Assessment and examinations

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

3.2 (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.

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

4 Qualification requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units as follows:

4.1 Academic program

HIST 5001 Practical History Workshop I	6
HIST 5002 Practical History Workshop II	6
HIST 5003 Public History: Principles & Practice	6
HIST 5005 Heritage and History in Contemporary Australia	6

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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty, the program 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.

2 Admission

2.1 An applicant for admission to the program 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.

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 Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those candidates who have completed the Graduate Certificate in Applied Linguistics. (see Rule 2.4 below).

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 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.

2.4.2 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.

2.4.3 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.

3 Assessment and examinations

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

3.2 (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.

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

4 Qualification requirements

4.1 Academic program

4.1.1 Core course

All candidates, shall complete the following course:

LING 5004 Language and Meaning 6

4.1.2 Elective courses

All candidates, except those who have completed the Graduate Certificate, shall complete elective courses to the value of 18 units chosen selected from the following:

LING 5001 Computer Assisted Language Learning - CALL 6

LING 5008 Language and the Environment 6

LING 5009 Language Teaching in Specific Settings	6
LING 5010 English for Academic Purposes	6
LING 5030 Language and Communication Planning	6
LING 5059 Special Topic in Linguistics	6

Syllabuses

See Master of Arts (Applied Linguistics) for syllabus details

- 4.1.3 No candidate will be permitted to count for the Graduate Diploma any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

Graduate Diploma in Art History

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or no more than two years of part-time study.

2 Admission requirements

- 2.1** An applicant for admission to the academic program for the Graduate Diploma in Art History 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.
- 2.2** The Faculty may, course 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.
- 2.3 Status, exemption and credit transfer**
- 2.3.1** Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for another award.
- 2.3.2** Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 2.3.3** In any case, no candidate will be awarded more than 6 units of status.
- 2.3.4** A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.
- 2.4 Articulation with other awards**
- 2.4.1** A candidate who has been admitted to the Graduate Certificate in Art History and who has been granted status toward the Graduate Diploma for courses presented for the Graduate Certificate must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

- 2.4.2** A candidate for the degree of Master of Arts (Studies in Art History) 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.

3 Assessment and examinations

- 3.1** There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 3.2** (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.
- 3.3** A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.1 Academic program

4.1.1 Core Courses

one course from the following:

HIST 5202 Studies in Asian Art	6
HIST 5203 Studies in Australian Art	6
HIST 5204 Studies in European Art Since the Renaissance	6

4.1.2 Elective Courses

three courses from the following:

HIST 5200 Studies in European Paintings Connoisseurship	6
HIST 5201 Studies in Australian Colonial Art	6

HIST 5206 Art Museum Internship	6
HIST 5207 Curatorial Placement	6
HIST 5208 Studies in Twentieth Century Australian Art	6
HIST 5209 Studies in Australian Indigenous Art	6
HIST 5210 Studies in British Art	6
HIST 5211 Studies in Decorative Arts	6
HIST 5212 Studies in Japanese Art	6
HIST 5213 Studies in South-East Asian Art	6

Syllabuses

See Master of Arts (Studies in Art History) for syllabus details

- 4.1.3 Students also may present other core courses from those listed in 3.1 as electives.
- 4.1.4 Students may present only one of the Art Museum Internship or the Individual Curatorial Project for the degree.
- 4.1.5 No candidate will be permitted to count for the Graduate Diploma any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award.

Graduate Diploma in Creative Writing

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty, the program 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.

2 Admission

2.1 An applicant for admission to the program 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.

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 Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of Faculty, no candidate will be granted status for any course which he or she has completed for another award

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those candidates who have completed the Graduate Certificate in Creative Writing (see Rule 2.4 below).

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 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

2.4.2 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.

2.4.3 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.

3 Assessment and examinations

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

3.2 (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.

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

4 Qualification requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.1 Academic program

ENGL 5001 Work in Progress	8
ENGL 5002 Creative Writing Study A	4
ENGL 5003 Creative Writing Study B	4
ENGL 5004 Advanced Work in Progress	8

Syllabuses

See Master of Arts (Creative Writing) for syllabus details

Graduate Diploma in Environmental Studies

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 **Duration of program**

Except with the special permission of the Faculty, the program 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.

2 **Admission**

2.1 An applicant for admission to the program 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.

2.2 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.

2.3 **Status, exemption and credit transfer**

Except by the special permission of the Executive Dean of the Faculty, no student may gain status towards the Graduate Diploma for other studies undertaken in the University or other institutions.

2.4 **Articulation with other awards**

2.4.1 Students who receive a credit average or better in this program are eligible to apply for entry to the degree of Master of Environmental Studies program, and if successful, on gaining entry, receive full status for the work they have undertaken in the Graduate Diploma.

2.4.2 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.

2.4.3 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.

2.4.4 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.

3 **Assessment and examinations**

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

3.2 **Review of academic progress**

3.2.1 A student who fails a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe.

3.2.2 A student who has twice failed a course may not enrol for that course again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.

3.2.3 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 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 course is taught, shall be deemed to have failed the course.

4 **Qualification requirements**

4.1 **Academic program**

4.1.1 **Core course**

ENVT 5036 Principles of Environmental Studies 6

4.1.2 **Elective courses**

All candidates shall complete elective courses to the value of 6 units selected from the following:

ENVT 5007 Environmental Futures 6

ENVT 5012 Environmental Information Systems 6

ENVT 5013 Conserving Biodiversity
in Fragmented Landscapes 6

ENVT 5015 Environmental Management Field Study 6

ENVT 5018 Environmental Impact Assessment 6

ENVT 5025 Environmental Professional Internship 6

ENVT 5030 Environmental Policy 3

ENVT 5037 Special Topic in Environmental Studies 6

ENVT 5039 Sustainable Tourism Management 6

ENVT 5040 Environmental Processes:
Landscape and Soils 6

ENVT 5061 Integrated Coastal Management 6

ENVT 5089 Environmental Rehabilitation
and Reconstruction 6

Syllabuses

See Master of Environmental Studies for syllabus details

Graduate Diploma in Gastronomy

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete the program of study within two years.

2 Admission requirements

2.1 An applicant for admission to the academic program for the Graduate Diploma in Gastronomy 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.

2.2 The Faculty may, course 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.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award other than the Graduate Certificate in Gastronomy.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those individuals who have completed the Graduate Certificate in Gastronomy.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate who has been admitted to the Graduate Certificate in Gastronomy and who has been granted status toward the Graduate Diploma for courses presented for the Graduate Certificate must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

2.4.2 A candidate for the degree of Master of Arts (Studies in Gastronomy) who satisfies the requirements for the Graduate Diploma but who does not complete the requirements of the Master degree may be admitted to the Graduate Diploma.

3 Assessment and examinations

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

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

4 Qualification requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.1 Core Courses

All candidates shall complete the following core courses:

HIST 5300 Principles of Gastronomy	6
HIST 5301 Food and Drink in Contemporary Western Society	6
HIST 5302 Gastronomy and Communication	6

4.2 Elective Courses

All candidates shall complete one of the following elective courses:

HIST 5303 Food and Wine Tourism	6
HIST 5304 Food and Wine Technology	6

Syllabuses

See Master of Arts (Gastronomy) for syllabus details

Graduate Diploma in International Studies

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 **Duration of program**

Except with the special permission of the Faculty, the program 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.

2 **Admission**

- 2.1 An applicant for admission to the program 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.
- 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 Graduate Diploma.
- 2.3 **Status, exemption and credit transfer**
- 2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.
- 2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those candidates who have completed the Graduate Certificate in International Studies (see Rule 2.4 below).
- 2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.
- 2.4 **Articulation with other awards**
- 2.4.1 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.

- 2.4.2 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.
- 2.4.3 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.

3 **Assessment and examinations**

- 3.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 3.2 (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.
- 3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 **Qualification requirements**

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows.

4.1 **Academic program**

INST 5000 Approaches and Issues in International Studies	6
any one of the following courses:	
INST 5001 International Politics in the Post Cold War World	6
INST 5002 International Studies A	6
INST 5003 International Studies B	6

No candidate will be permitted to count for the Graduate Diploma any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

Syllabuses

See Master of Arts (International Studies) for syllabus details

Graduate Diploma in Population and Human Resources

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: this program is under review

Specific Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty, the program 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.

2 Admission

2.1 An applicant for admission to the program 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.

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 Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those candidates who have completed the Graduate Certificate in Population Studies (see Rule 2.4 below).

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 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 or the Graduate Certificate in Population Studies may be admitted to the Graduate Certificate.

2.4.2 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.

2.4.3 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.

3 Assessment and examinations

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

3.2 (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.

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

4 Qualification requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.1 Academic program

4.1.1 Core courses

GEOG 5051 Computer Applications in Population Studies	4
GEOG 5061 Human Resource Development	4
GEOG 5068 Population Data Analysis	4
GEOG 5089 Population Studies	4

4.1.2 Elective courses

8 units selected from the following:

GEOG 5049 Applied Demography	4
GEOG 5050 Ageing of Populations: Causes and Consequences	4
GEOG 5054 Demography of the Family	4
GEOG 5066 Population Management and Operations Research	4
GEOG 5067 Population and the Environment	4
GEOG 5072 Regional Development and Planning	4
GEOG 5074 Urbanisation and Development	4
GEOG 5080 Women's Health and Child Survival	4

Syllabuses

See Master of Arts (Population and Human Resources) for syllabus details

Graduate Diploma in Spatial Information Science

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 **Duration of program**

Except with the special permission of the Faculty, the program 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.

2 **Admission requirements**

2.1 An applicant for admission to the program 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.

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 Graduate Diploma.

2.3 **Status, exemption and credit transfer**

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those candidates who have completed the Graduate Certificate in Spatial Information Science (see Rule 2.4 below).

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 **Articulation with other awards**

2.4.1 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.

2.4.2 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.

2.4.3 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.

3 **Assessment and examinations**

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

3.2 (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.

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

4 **Qualification requirements**

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to a total of 24 units, as follows:

4.1 Academic program

4.1.1 Core courses

GISC 5008 Introduction to Spatial Data Models	3
GISC 5009 Introduction to Spatial Information Systems	3
GISC 5011 Research Project SIS	6
GISC 5013 Spatial Data Modelling & Analysis	3
GISC 5014 Spatial Data Visualisation	3

4.1.2 Elective courses

6 units selected from the following

GISC 5001 Advanced Raster Analysis	3
GISC 5006 Field Sampling Techniques	3
GISC 5010 New Technologies in GIS	3
GISC 5012 Social Applications in GIS	3

Students may also select from elective courses offered by the Department of Environmental Science and Rangeland Management. It may also be possible to substitute other electives to a total of 3 units from cognate areas with the permission of the Program Convenor.

- 4.1.3 No candidate will be permitted to count for the Graduate Certificate any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

Syllabuses

See Master of Spatial Information Science for syllabus details

International Graduate Diploma in Environmental Management

This program 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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty, the program 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.

2 Admission requirements

2.1 An applicant for admission to the program 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.

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 International 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 International Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 6 units of status, except for those candidates who have completed the International Graduate Certificate in Environmental Management (see Rule 2.4 below.)

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 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.

2.4.2 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.

2.4.3 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.

3 Assessment and examinations

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

3.2 (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.

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

4 **Qualification requirements**

To qualify for the International Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.1 **Academic program**

ENVT 5001 Environmental Audit	3
ENVT 5010 Environmental Impact Assessment	3
ENVT 5014 Environmental Management Challenge	3
ENVT 5016 Environmental Management Systems	3
ENVT 5019 Environmental Project Management	3
ENVT 5033 Policy Building for Sustainable Development	3
ENVT 5035 Environmental Clean-up Tools	3
ENVT 5038 Special Study in Environmental Management	3
ENVT 5060 Global Environmental Futures	3
GISC 5009 Introductory Spatial Information Systems	3

Syllabuses

See Master of Environmental Management for syllabus details

Master of Arts

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

- 1.1 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.

2 Admission

- 2.1 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 course or courses to which the candidate's proposed field of study relates.
- 2.2 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 2.1 above, but who has given evidence satisfactory to the Faculty of their fitness to undertake work for the degree.
- 2.3 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 program of study and pass a qualifying examination of honours standard.
- 2.4 The form and assessment of any preliminary work and/or of any program 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.

3 Assessment and examinations

- 3.1 The content and method of assessment of any program 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 coursework and the thesis or dissertation in the overall assessment shall be proposed by the department or departments concerned and approved by the Faculty.
- 3.2 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 three copies of the thesis or dissertation prepared in accordance with directions given to candidates from time to time.
- 3.3 The examiners of the thesis or dissertation may recommend that it either
- (a) the candidate be awarded the degree of Master of Arts *or*
 - (b) the candidate be awarded the degree of Master of Arts but that minor amendments be made to the thesis *or*
 - (c) the candidate be awarded the degree of Master of Arts course to the amendments specified elsewhere in this report being made to the thesis *or*
 - (d) 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*
 - (e) the candidate be not awarded the degree of Master of Arts.

- 3.4** The examiners of a thesis or dissertation re-submitted following recommendation 4.3(e) above may recommend only 3.3(a), (b),(c) or (d).

4 Qualification requirements

- 4.1** Every candidate shall either:
- (a) present a thesis *or*
 - (b) pursue a program of advanced study, which may include practical exercises and present a thesis or dissertation.
- 4.2** The subject of any thesis or dissertation shall be approved by the Department or Departments concerned and by the Faculty.

4.3 **Qualifying Work**

With permission of the Executive Dean, most departments will offer one year of qualifying work for students who do not meet the normal entry requirements, but are deemed acceptable as potential candidates. Such students will have, as a minimum, an approved Bachelor degree before entry to M.A.(Qual.) can be considered

Master of Arts (Applied Anthropology)

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 **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.

2 **Admission**

2.1 An applicant for admission to the academic program for the degree of Master of Arts (Applied Anthropology) shall

- (a) 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 an Honours degree of the University
- (b) have qualified for the Graduate Diploma in Applied Anthropology with results of at credit level or higher or
- (c) have qualified for an Ordinary degree of Adelaide University in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, in addition to least two years' approved professional work experience.

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 degree 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 degree.

2.3 **Status, exemption and credit transfer**

- 2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award other than the Graduate Diploma in Applied Anthropology (see Rule 2.4 below).
- 2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Applied Anthropology.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 **Articulation with other awards**

- 2.4.1 A candidate for the Master of (Arts) Applied Anthropology 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.
- 2.4.2 A candidate who has been admitted to the Graduate Diploma in Applied Anthropology and who subsequently satisfies the requirements for the Master of Arts (Applied Anthropology) must surrender the Graduate Diploma before being admitted to the Master degree.
- 2.4.3 A candidate for the degree of Master of Arts (Applied Anthropology) 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.

3 **Assessment and examinations**

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

- 3.2 (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.

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

4 **Qualification requirements**

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, as follows:

4.1 **Academic program**

4.1.1 **Core Courses**

All candidates shall complete the following core courses:

ANTH 5002 Anthropological Practice	6
ANTH 5004 Social Theory Applications	6

4.1.2 **Elective Courses**

All candidates shall complete 12 units selected from the following elective courses:

ANTH 5001 Anthropology for Native Title Practice	6
ANTH 5005 An Anthropology of Justice and Law	6
ANTH 5006 Environmentalism: Anthropological Perspectives	6
ANTH 5007 Health: Institutions, Discourses and Power	6
ANTH 5008 Research Internship	6

4.1.3 **Dissertation**

All candidates shall complete either the full-time or the part-time version of the dissertation:

ANTH 5501 Dissertation in Applied Anthropology F/T	12
ANTH 5502A/B Dissertation in Applied Anthropology P/T	12

- 4.2 No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

Note: this course may be delivered in intensive mode. When delivered in intensive mode, major written assignments for assessment may be completed away from the University and submitted after completion of teaching in the course

ANTH 5001

Anthropology for Native Title Practice (5111)

6 units semester 1 or 2

The course focuses on those issues and methodologies of anthropological research which are relevant to contemporary Native Title practice. In particular, it highlights areas of convergence and conflict between law and anthropology. Topics will include: Key concepts, terminology and debates; groups in relation to land – horde, band, clan, community, language, tribe, nation; units of customary tenure – estates, Dreaming tracks, drainage systems, language areas, marine versus land zones; pathways to customary tenure – descent, filiation, adoption, incorporation, residence; succession to entitlement – fission, disputed succession, migration, conquest, absorption, amalgamation, divestment of title; communal and individual interests in land; the kinship polity and contemporary social organisation; authority and decision-making structures, including the role of formal bodies – land councils, incorporated associations and ‘prescribed bodies corporate’; concepts of ‘tradition’ and ‘continuity of tradition’ – ‘historical’ versus ‘traditional’ connection to land; economies of knowledge – secrecy, restriction (including gendered restrictions) and copyright; oral evidence, anthropological evidence and expert evidence; sacred sites and recent anthropological approaches to ‘place’; contemporary identity and pan-Aboriginality.

assessment: 1500 - 2000 word writing exercise 30%, 5000 - 7000 word essay 70%

ANTH 5002

Anthropological Practice (5315)

6 units semester 1 or 2

The course will be conducted in workshop format, focusing on the methodologies, techniques and issues of anthropological research and writing in an applied context. Topics include: Identifying and constructing appropriate research plans; Managing fieldwork relations - negotiating relationships with communities, clients, stakeholders and funding bodies; Appropriate formats for the presentation of results; Assessment and evaluation of qualitative research/writing – rigour, validity and generalisation; Ethical perspectives, professional codes and guidelines; Management of responsibilities toward clients, host communities and informants; Consent, harm, privacy and exploitation.

There will be two skill-building exercises. The first will focus on fieldnote taking, and fieldnote development, the second on genealogy and the mapping of connectedness. These will be followed by workshop discussions of the theoretical, practical and ethical issues that arise from these exercises.

The course will center on a portfolio exercise to identify and develop responses to real funding and research opportunities (e.g. advertised tenders for EISs, Native Title assessments, government grants, consultancy briefs, etc.).

assessment: skill-building exercises - 2 x 10%, portfolio 40%, 5000 - 7000 word essay 40%

ANTH 5004

Social Theory Applications (5096)

6 units semester 1 or 2

This course will examine a range of political, ethical and epistemological issues that recur in applied anthropology. It will focus in the relevance of social theory to the development of anthropological practice. It will introduce such key theoretical and methodological domains as symbolic interaction, phenomenology, grounded theory, classical ethnography, rapid anthropological appraisals and critical ethnography.

The course will explore the status and role of anthropological knowledge in relation to business and industry, development agencies, governments, non-government organisations, land councils and health organisations. Through case studies it will examine a range of possible positions: from consultancy to advocacy, client-oriented research and radical anthropology. Ethical issues involved in these positions will be highlighted throughout.

assessment: 1500 - 2000 word writing exercise 30%, seminar/workshop presentation 20%, 5000 - 7000 word essay 50%

ANTH 5005

An Anthropology of Justice and Law (5138)

6 units semester 1 or 2

This course reviews and analyses a range of justice and legal issues and practices within the contemporary Australian context. By applying anthropological methods and theory to legal contexts such as criminal justice and family law, the course aims to provide practitioners with the skills to incorporate a broader understanding of different cultural frames into their work.

Definitions and interpretations of justice and the law; the meanings of justice in daily life; indigenous Australians and the law; justice and indigenous sovereignty; gender issues in law and justice; the maintenance of exclusion from law and justice; historical development of notions and practices of justice; cross-cultural

comparisons of understandings and practices of justice; justice and the criminal law; politics of justice – the production and maintenance of inequality; significance of twentieth century developments in justice and social control; justice, law and the media; justice in contemporary Australian society.

assessment: 2000 word report on practical exercise 20%, student-led workshop - 20% content, 10% method, 5000 word research essay 50%

ANTH 5006

Environmentalism: Anthropological Perspectives (5171)

6 units semester 1 or 2

This course examines recent anthropological understandings of how the environment is represented, contested, claimed and constructed. From this perspective, 'environmentalism' refers to a broad field of discursive constructions of nature and human agency. Such discourses can be shown to shape the political and institutional location of environmental debates, to prescribe forms of environmental amelioration, and to identify appropriate agents able to undertake such interventions. The course focuses on the ways in which environmental discourses create relationships between existing or emerging institutions, participate in a politics of representation, activate forms of political agency, and reproduce complex historical and contemporary forms of domination. Topics may include: environmental movements, rhetorics and representations; global change and transnational organisation – localism, nationalism and globalism in environmental debates; global heritage and global citizenship; institutions for national and global environmental governance - the emergence of environmental NGOs; discursive constructions of nature, human agency and the relationship between people and place, especially indigeneity, rurality and 'wilderness'; identity politics, hybridity and authenticity – the articulation of environmentalism with indigenous peoples and indigenous rights movements; other discursive and institutional linkages - environmentalism and social justice; environmentalism and gender; environmentalism and development; systems for the production of scientific knowledge about 'nature' and the planet; ethnography in multi-sited, national and transnational contexts.

assessment: short writing exercise (1500–2000 words) 30%, seminar-workshop presentation 20%, 5000 - 7000 word essay 50%

ANTH 5007

Health: Institutions, Discourses and Power (5128)

6 units semester 1 or 2

The course will be conducted in workshop format, focusing on the methodologies, techniques and issues of anthropological research and writing in an applied health setting. Topics will include: methodological approaches to health and illness, especially qualitative and ethnographic research techniques; analytic frameworks for the study of health and illness including

organisational sociology, interpretive social science, critical ethnography, phenomenology and narrativity; medical knowledge and systems of healing in cross-cultural perspective; illness as symbol, metaphor and explanation; biomedicine and biotechnology as cultural systems; institutional responses to illness - the disciplining of minds and bodies; professional identities and the social organisation of health; professional identities and the organisation of health research; anthropologies of science and the social construction of scientific knowledge.

assessment: 1500 - 2000 word exercise 30%, workshop presentation 20%, 5000 - 7000 word essay 50%

ANTH 5008

Research Internship (5196)

6 units semester 1 or 2

quota may apply

prerequisite: satisfactory completion of three course for Graduate Diploma

The internships will entail the negotiation of a research project in an industry, agency or other applied setting. Such projects may be developed in conjunction with the University's Office of Industry Liaison. Students undertaking the Research Internship will be required to report directly to the sponsoring body/organisation on the nature and results of their work. They will also be required to provide an academic paper to the program coordinator.

assessment: 8000 - 9000 word project report

Dissertation

Students complete either the full-time or the part-time version of the dissertation

ANTH 5501

Dissertation in Applied Anthropology F/T (5641)

12 units semester 1 or 2

ANTH 5502A/B

Dissertation in Applied Anthropology P/T (5641)

12 units full year

A dissertation on agreed topic to a total of 15000-18000 words.

Master of Arts (Applied Historical Studies)

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of award

To qualify for the degree a student shall satisfactorily complete a program of three semesters of full-time study or not more than three years of continuous part-time study

2 Admission

2.1 An applicant for admission to the program 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

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 degree 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 degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 ~~Such status as may be awarded in exceptional~~ circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Applied Historical Studies (see Rule 2.4 below).

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 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.

2.4.2 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.

2.4.3 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.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the degree of Master of Arts (Applied Historical Studies): Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (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.

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

4 Qualification 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 units as follows:

4.1 Academic program

4.1.1 Coursework courses

All students shall satisfactorily complete the following:

HIST 5001 Practical History Workshop I	6
HIST 5002 Practical History Workshop II	6
HIST 5003 Public History: Principles & Practice	6
HIST 5005 Heritage and History in Contemporary Australia	6

4.1.2 Special Research Project

All students shall complete one 12-unit Research Project of up to 20,000 words:

either

HIST 5500 Research Project in Applied Historical Studies F/T	12
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or

HIST 5501A/B Research Project in Applied Historical Studies P/T	12
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- 4.1.3 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.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

HIST 5001

Practical History Workshop I (2850)

6 units semester 1

4 hours, including workshops, a week

This course 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

HIST 5002

Practical History Workshop II (1303)

6 units semester 2

4 hours, including workshops, a week

Units in this course 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

HIST 5003

Public History: Principles and Practice (6132)

6 units semester 2

This course 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

HIST 5005

Heritage and History in Contemporary Australia (5935)

6 units semester 1

This course 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

HIST 5500

Research Project in Applied Historical Studies F/T (2515)

12 units semester 1 or 2

HIST 5501A/B

Research Project in Applied Historical Studies P/T (5854)

12 units full year

Special Research Project for private or public client developed in consultation with, and approved by, the course convenor

assessment: dissertation/report of 15-20,000 words or equivalent of comparable substance

Master of Arts (Applied Linguistics)

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

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.

2 Admission

- 2.1** An applicant for admission to the program of study for the degree of Master of Arts (Applied Linguistics) shall 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*
 - qualified for a Graduate Diploma in Applied Linguistics at a Credit level or higher *or*
 - qualified for an Ordinary degree of Adelaide 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' approved professional work experience.

2.2 Status, exemption and credit transfer

- 2.2.1** Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.
- 2.2.2** Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 2.2.3** In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Applied Linguistics (see Rule 2.3 below).
- 2.2.4** A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.3 Articulation with other awards

- 2.3.1** 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.
- 2.3.2** 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.
- 2.3.3** 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.

3 Assessment and examinations

- 3.1** There shall be four classifications of pass in any course for the degree of Master of Arts (Applied Linguistics): 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
 - For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 3.3** A candidate who has failed a course twice may not enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 **Qualification requirements**

To qualify for the degree, a candidate shall complete courses to the value of 36 units, as follows.

4.1 **Academic program**

4.1.1 **Core course**

All candidates, shall complete the following course:

LING 5004 Language and Meaning 6

4.1.2 **Elective courses**

All candidates, except those who have completed the Graduate Certificate, shall complete elective courses to the value of 18 units chosen selected from the following

LING 5001 Computer Assisted Language Learning - CALL 6

LING 5008 Language and the Environment 6

LING 5009 Language Teaching in Specific Settings 6

LING 5010 English for Academic Purposes 6

LING 5030 Language and Communication Planning 6

LING 5059 Special Topic in Linguistics 6

4.1.3 No candidate will be permitted to count for the award any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

4.1.4 **Dissertation**

All candidates shall complete either the full-time or the part-time version of the dissertation:

LING 5501 Dissertation in Linguistics (F-T) 12
or

LING 5502A/B Dissertation in Linguistics (P-T) 12

4.1.5 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.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

Core course

LING 5004

Language and Meaning (8217)

6 units semester 1

Language is embedded in everyday actions as it is used to carry out different functions. The purpose of this course is to investigate the linguistic choices which differentiate uses of language, for example the differences between spoken and written language, between academic discourse and informal language. Students are introduced to the analysis of discourse and texts using functional grammar, conversational analysis and critical language discourse.

assessment: two written assignments – a text analysis and a report of an investigation into language use.

Elective Courses

LING 5001

Computer Assisted Language Learning – CALL (7556)

6 units summer or semester 2

A practical introduction to the use of information technology, this course develops skills in the creation and use of electronic environments for educational purposes. Students have the opportunity to develop projects with applications to workplaces.

assessment: written report on an aspect of technoliteracy and documentation of a project on the use of information technology.

LING 5008

Language and Environment (1170)

6 points semester 1

This course examines both the central role of human languages in the perceptions of environmental matters (language of ecology) and the nature of the environment in which such languages can survive (ecology of language). Students will learn to apply available linguistics techniques and methods to the analysis of environmental discourse and will learn about the interdependencies between linguistics and cultural diversity. A wide range of primary English language documents will be analysed and contrasted with environmental discourse in languages other than English. Students will find out about the rapidly growing ecolinguistic literature published around the world. Topics include: Ecolinguistic literature around the world, Environmental metaphors, Analysing environmental discourse, Ecospeak, Environmental terminology: changes and cross-cultural perspectives, Comparisons.

assessment: assignments to a total of 8-9000 words or equivalent

LING 5009

Language Teaching in Specific Settings (7481)

6 units semester 2

For this course students study contemporary curriculum principles and the design of curriculum for different purposes and contexts. The contexts include teaching English to speakers of other languages (TESOL), first language education and adult literacy. There is a particular focus on curriculum in action together with a critical review of various approaches to curriculum design.

assessment: critical review of one curriculum and a curriculum design project

LING 5010

English for Academic Purposes (3305)

6 units summer semester or 1 or 2

The aim of this course is to extend students' command of English Language for working in academic and educational contexts. Students analyse characteristic features of academic texts from different disciplines.

assessment: 3 written assignments

LING 5030

Language and Communication Planning(4306)

6 units not offered in 2002 (alternates with Language and Environment)

Students will be familiar with the ecology and sociology of language approaches to language maintenance as well as the technical linguistic apparatus needed in the area of language engineering. Particular attention will be given to language planning in Australia and neighbouring countries. At the end of this course students will have an understanding of the wider ramifications of language planning and maintenance as well as skills in the area of micro language engineering.

assessment: 4000 word essay, 5 practical exercises or annotated diary of data observation, analysis, totalling 5000 words

LING 5059

Special Topic in Linguistics (7504)

6 units not offered in 2002

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

Language Studies

3 or 6 units semester 1 or 2 or Full year

Students may do 3 or 6 units of Language in lieu of an elective course.

Dissertation

LING 5501

Dissertation in Linguistics (F-T) (5049)

12 units semester 1 or 2

LING 5502A/B

Dissertation in Linguistics (P-T)(3498)

12 units 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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising two years of full-time study or not more than four years of part-time study.

2 Admission

2.1 An applicant for admission to the program 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 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*
- (b) have presented a suitable portfolio of creative writing.

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 degree 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 degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Creative Writing (see Rule 2.4 below).

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 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.

2.4.2 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.

2.4.3 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.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

- 3.2 (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.

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

4 Qualification requirements

To qualify for the degree of Master of Arts (Creative Writing), a candidate shall satisfactorily complete courses to the value of 48 units, as follows.

4.1 Academic program

4.1.1 Core courses

All candidates shall complete the following courses:

ENGL 5001 Work in Progress	8
ENGL 5002 Creative Writing Study A	4
ENGL 5003 Creative Writing Study B	4
ENGL 5004 Advanced Work in Progress	8

4.1.2 Dissertation

All candidates shall complete the following course:

ENGL 5052A/B Creative Writing Dissertation	24
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- 4.1.3 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the dissertation to the Faculty, after it has been passed and accepted for the degree.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

ENGL 5001

Work in Progress (4320)

8 units semester 1

This course 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.

ENGL 5002

Creative Writing Study A (4833)

4 units semester 1

This course 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.

ENGL 5003

Creative Writing Study B (7019)

4 units semester 2

This course advances the work begun in 4833 Creative Writing Study A

ENGL 5004

Advanced Work in Progress (4581)

8 units semester 2

prerequisite: 1887 Work in Progress seminar

This course advances the work begun in Work in Progress.

Dissertation

ENGL 5500A/B

Creative Writing Dissertation (6323)

24 units full year

Supervision, arranged with program convener

prerequisite: Graduate Diploma in 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 program convener

Master of Arts (Gastronomy)

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 **Duration of course**

To qualify for the degree, a candidate shall satisfactorily complete the program of study within three years.

2 **Admission**

- 2.1 An applicant for admission to the academic program for the degree of Master of Arts (Gastronomy) shall
- have qualified for an Honours degree of the University at IIA level or higher in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent to an Honours degree of the University *or*
 - have qualified for the Graduate Diploma in Gastronomy with results of 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, in addition to least two years' approved professional work experience.
- 2.2 The Faculty may, course 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 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.
- 2.3 **Status, exemption and credit transfer**
- 2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award other than the Graduate Diploma in Gastronomy (see Rule 2.4 below).
- 2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Gastronomy.
- 2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the

required work in the course to the satisfaction of the teaching staff concerned.

2.4 **Articulation with other awards**

- 2.4.1 A candidate for the Master of Arts (Gastronomy) 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.
- 2.4.2 A candidate who has been admitted to the Graduate Diploma in Gastronomy and who subsequently satisfies the requirements for the Master of Arts (Gastronomy) must surrender the Graduate Diploma before being admitted to the Master degree.
- 2.4.3 A candidate for the degree of Master of Arts (Gastronomy) 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.

3 **Assessment and examinations**

- 3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 3.2 (a) A candidate shall not be eligible to submit 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.
- 3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 **Qualification requirements**

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, as follows:

4.1 **Academic program**

All candidates shall complete the following core courses:

HIST 5300 Principles of Gastronomy	6
HIST 5301 Food and Drink in Contemporary Western Society	6
HIST 5302 Gastronomy and Communication	6

4.1.2 **Elective Courses**

All candidates shall complete one of the following elective courses:

HIST 5303 Food and Wine Tourism (7948)	6
HIST 5304 Food and Wine Technology (7934)	6

4.1.3 **Dissertation/Research Projects**

All candidates shall complete either the full-time or the part-time version of the dissertation:

HIST 5530 Dissertation in Gastronomy F/T	12
HIST 5531A/B Dissertation in Gastronomy P/T	12

or

two research projects to a total of 12 units:

HIST 5532 Research Project in Gastronomy A	6
HIST 5533 Research Project in Gastronomy B	6

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

Core courses

HIST 5300

Principles of Gastronomy (7876)

6 units semester 1

30 hours over 6 weeks

This course will provide a comprehensive survey of the broad domain of gastronomy, emphasising its interdisciplinary character and sociocultural relevance. The following areas will be covered; definitions and interpretations of gastronomy, key figures in gastronomy, the historical development of gastronomy, source material for gastronomy, influences on/of gastronomy, gastronomy and restaurants, cultural interpretations of gastronomy, food and drink in ritual and religion, and gastronomy in contemporary society.

HIST 5301

Food and Drink in Contemporary Western Society (7923)

6 units semester 1

30 hours over 6 weeks

This course will encourage students to apply gastronomic principles in a contemporary context. The following areas will be covered; the significance of gastronomy in the contemporary world, medicine and nutrition, changes in diet and eating habits, food choice, the significance of developments in food technology, the evolution of cuisines, globalisation effects on production and consumption, regionalism, and cultural tourism.

HIST 5302

Gastronomy and Communication (7930)

6 units semester 2

30 hours over 6 weeks

This course will focus on the concept of food and drink as a means of communication, explore the use of food and drink in literature and visual media, and encourage students to express ideas opinions and evaluations relating to food and drink. The following areas will be covered; semiotics of food; meanings of food and drink in daily life, meanings of food and drink in ritual and tradition, menu design and menu writing, researching food and drink through written sources and via the internet, recipe writing and editing, writing about food and drink, the role of the restaurant reviewer, and critic, food in fiction, food and drink in film, and research for, and evaluation of, food and wine programs on television.

Elective courses

HIST 5303

Food and Wine Tourism (7948)

6 units semester 2

30 hours over 2 weeks

prerequisite: completion of core courses

This course will be taught jointly with staff from the Faculty of Agricultural and Natural Resource Sciences at the Waite. Additional input by tourism professionals and industry experts may be included. The main areas to be covered are; fundamentals of cultural tourism, the structure and direction of the tourism industry, the specific application of tourism to wine and food, event management, government initiatives and programs, promotion and advertising. In addition the following will be covered; evaluating food and wine tourism and festivals, enlisting community support and cooperation, regional knowledge, the role of restaurants, developing food and wine trails.

HIST 5304

Food and Wine Technology (7934)

6 units semester 2

30 hours over 2 weeks

prerequisite: completion of core courses

This course will be taught jointly with staff from the Faculty of Agricultural and Natural Resource Sciences at the Waite. It will provide an overview of traditional and current food wine processing operations and techniques together with methodologies and analytical tools for evaluating and communicating them. It may include some visits to appropriate sites and input from Le Cordon Bleu, placing these technologies in their contemporary context.

Dissertation

HIST 5530

Dissertation in Gastronomy F/T (7817)

12 units summer semester

HIST 5531A/B

Dissertation in Gastronomy P/T (7827)

12 units full year

An enrolment in the dissertation will commence with a one week residential induction program

A 15,000 - 18,000 word dissertation on a topic to be developed in consultation with the Program Manager.

Research Projects

HIST 5532

Research Project in Gastronomy A (7977)

6 units summer semester

A research project of 8,000 - 10,000 words (or equivalent depending upon the nature of the project) in an area approved by the Program Manager.

HIST 5533

Research Project in Gastronomy B (7984)

6 units summer semester

A research project of 8,000 - 9,000 words (or equivalent depending upon the nature of the project) in an area approved by the Program Manager. This should cover a different field from that completed for Research Project A.

Master of Arts (International Studies)

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 **Duration of program**

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising three semesters years of full-time study or not more than three years of part-time study.

2 **Admission**

2.1 An applicant for admission to the program 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 Adelaide 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' approved professional work experience.

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 degree 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 degree.

2.3 **Status, exemption and credit transfer**

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in International Studies (see Rule 2.4 below).

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 **Articulation with other awards**

2.4.1 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.

2.4.2 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.

2.4.3 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.

3 **Assessment and examinations**

3.1 There shall be four classifications of pass in any course for the degree of Master of Arts (International Studies): Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

- 3.2
- (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.

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

4 **Qualification requirements**

To qualify for the degree of Master of Arts (International Studies), a candidate shall satisfactorily complete courses to the value of 36 units, as follows.

4.1 **Academic program**

4.1.1 **Core courses**

All candidates shall complete the following:

INST 5000 Approaches and Issues
in International Studies 6

INST 5001 International Politics
in the Post Cold War World 6

INST 5002 International Studies A 6

INST 5003 International Studies B 6

4.1.2 No candidate will be permitted to count for the Graduate Diploma any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

4.1.3 **Dissertation**

All candidates shall complete either the full-time or the part-time version of the dissertation:

INST 5500 Dissertation in International Studies F/T 12

INST 5501A/B Dissertation in International Studies P/T 12

4.1.4 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

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

INST 5000

Approaches and Issues in International Studies (3094)

6 units semester 1

This course 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

INST 5001

International Politics in the Post Cold War World (8414)

6 units semester 2

This course 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

INST 5002

International Studies A (9083)

6 units semester 1 or 2

On advice from the Convenor of International Studies, students choose from a range of courses in disciplines taking an international studies perspective.

assessment: essay and seminar presentation to a total of 8000 words

INST 5003

International Studies B (5618)

6 units semester 1 or 2

On advice from the Convenor of International Studies, students choose from a range of courses in disciplines taking an international studies perspective.

assessment: essay and seminar presentation to a total of 8000 words

INST 5500

Dissertation in International Studies F/T (2612)

12 units semester 1 or 2

INST 5501A/B

Dissertation in International Studies P/T (9559)

12 units full year

Dissertation on an International Studies topic approved by the Convenor of International Studies.

assessment: dissertation of 15000 words

Master of Arts (Population and Human Resources)

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: this program is under review

Specific Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising three semesters of full-time study or not more than three years of part-time study.

2 Admission

2.1 An applicant for admission to the program 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 Adelaide 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' approved professional work experience.

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 degree 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 degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with the special permission of the Head of the Department of Geography, no candidate will be granted status for any of the core courses of the degree except candidates who have qualified for the Graduate Diploma in Population and Human Resources.

2.3.2 No candidate shall be granted status for courses with a total value of more than 12 units, except candidates who have qualified for the Graduate Diploma in Population and Human Resources who may be granted up to 24 units of status (see 2.4.1 below).

2.3.3 No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 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 courses presented for the Graduate Diploma to a value of more than 8 units must surrender the Graduate Diploma before being admitted to the degree.

2.4.2 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.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Master of Arts (Population and Human Resources):
Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

- 3.2
- (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.

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

4 **Qualification requirements**

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, as follows.

4.1 **Academic program**

4.1.1 Core courses

All candidates shall complete the following courses:

GEOG 5051 Computer Applications in Population Studies	4
GEOG 5061 Human Resource Development	4
GEOG 5068 Population Data Analysis	4
GEOG 5089 Population Studies	4

4.1.2 Elective courses

All candidates shall complete elective courses to the value of 8 units selected from the following:

GEOG 5049 Applied Demography	4
GEOG 5050 Ageing of Populations: Causes and Consequences	4
GEOG 5054 Demography of the Family	4
GEOG 5065 Population Mobility	4
GEOG 5066 Population Management and Operations Research	4
GEOG 5067 Population and the Environment	4
GEOG 5072 Regional Development and Planning	4
GEOG 5074 Urbanisation and Development	4
GEOG 5080 Women's Health and Child Survival	4

4.1.3 Research project

All candidates shall complete either the full-time or the part-time version of the following course:

GEOG 5500 Research Project (MA Population and Human Resources F/T)	12
<i>or</i>	
GEOG 5501A/B Research Project (MA Population and Human Resources P/T)	12
<i>or</i>	
GEOG 5073 Research Paper in Population and Human Resources	8
<i>and</i>	
one additional elective from the list above	4

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

compulsory core courses

GEOG 5051

Computer Applications in Population Studies (2924)

4 units semester 1 or 2

This course 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

GEOG 5061

Human Resource Development (4428)

4 units 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 courses.

assessment: exam, major essay, minor essay, tutorial papers, presentations

GEOG 5068

Population Data Analysis (1556)

4 units semester 1 or 2

4 hours per week

The course 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

GEOG 5089

Population Studies (3790)

4 units semester 1 or 2

3 hours per week

The course 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, tutorial paper, review of journal article

elective courses

GEOG 5049

Applied Demography (1762)

4 units semester 1 or 2

This course 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

GEOG 5050

Ageing of Populations: Causes and Consequences (5678)

4 units semester 1 or 2

This course 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

GEOG 5054

Demography of the Family (4024)

4 units semester 1 or 2

This course 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

GEOG 5065

Population Mobility (4904)

4 units 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

GEOG 5066

Population Management and Operations Research (1613)

4 units semester 1 or 2

This course 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.

GEOG 5067

Population and the Environment (2757)

4 units 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

GEOG 5072

Regional Development and Planning (9979)

4 units 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

GEOG 5074

Urbanisation and Development (1745)

4 units 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 1000 words, exam

GEOG 5080

Women's Health and Child Survival (7149)

4 units semester 1 or 2

This course 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

GEOG 5073

Research Paper in Population and Human Resources (6874)

8 units 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

GEOG 5500

Research Project (Population and Human Resources) F/T (4193)

12 units semester 1 or 2

GEOG 5501A/B

Research Project (Population and Human Resources P/T) (1065)

12 units 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 (Studies in Art History)

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising three semesters of full-time study or no more than three years of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the degree of Master of Arts (Studies in Art History) shall

- (a) have qualified for an Honours degree of the University at IIA level or higher in an appropriate field of study, 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 the Graduate Diploma in Art History with results of 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, in addition to least two years' approved professional work experience.

2.2 The Faculty may, course 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 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award other than the Graduate Diploma in Art History (see Rule 2.4 below).

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Art History.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Arts (Studies in Art History) 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.

2.4.2 A candidate who has been admitted to the Graduate Diploma in Art History and who subsequently satisfies the requirements for the Master of Arts (Studies in Art History) must surrender the Graduate Diploma before being admitted to the Master degree.

2.4.3 A candidate for the degree of Master of Arts (Studies in Art History) 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.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

- 3.2
- (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.

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

4 Academic Program requirements

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, as follows:

4.1 Academic program

4.1.1 Core Courses

one course from the following:

HIST 5203 Studies in Australian Art	6
HIST 5204 Studies in European Art Since the Renaissance	6
HIST 5202 Studies in Asian Art	6

4.1.2 Elective Courses

three courses from the following:

HIST 5200 Studies in European Paintings Connoisseurship	6
HIST 5201 Studies in Australian Colonial Art	6
HIST 5206 Art Museum Internship (7794)	6
HIST 5207 Curatorial Placement (7806)	6
HIST 5208 Studies in Twentieth Century Australian Art	6
HIST 5209 Studies in Australian Indigenous Art	6
HIST 5210 Studies in British Art	6
HIST 5211 Studies in Decorative Arts	6
HIST 5212 Studies in Japanese Art	6
HIST 5213 Studies in South-East Asian Art	6

4.1.3 Students also may present other core courses from those listed in 4.1.1 as electives.

4.1.4 Students may present only one the Art Museum Internship or Individual Curatorial Project for the degree.

4.2 Dissertation/Research Project

All candidates shall complete either the full-time or the part-time version of the dissertation:

HIST 5520 Research Project in Art History F/T	12
HIST 5521A/B Research Project in Art History P/T	12

4.2.1 No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award.

4.2.2 To be eligible to have the degree conferred candidates are required to provide three bound copies of the dissertation to the Faculty, after it has been passed and accepted for the degree.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

Core courses

HIST 5202

Studies in Asian Art (7130)

6 units semester 1 or 2

30 hours over 6 weeks

A selective survey of some developments in the later history of Asian art, concentrating in some detail on the arts of South-East Asia, in particular

Hindu, Buddhist and Jain sculpture; Japanese art, including screens, prints, sculpture, metalwork and small decorative carvings, as well as some consideration of literary and other subject matter; Cambodian, Thai and Vietnamese ceramics in the Art Gallery's collection; Ikat, Plangi, Batik, supplementary warp and other Indonesian textiles from Java, Sumatra and Bali.

HIST 5203

Studies in Australian Art (7062)

6 units semester 1 or 2

30 hours over 6 weeks

A survey of the principal issues and developments in the history and historiography of Australian art since before first contact, with some emphasis upon the early colonial period in New South Wales, South Australia, Tasmania and Victoria; the later nineteenth-century nationalistic movements of the eastern capitals; the milieu of Federation; the rise of modernism in Australia, particularly among women artists; Post-War artistic developments; the Papunya phenomenon and the emergence of Western Desert dot painting, and trends in contemporary Australian art.

HIST 5204

Studies in European Art since the Renaissance (7041)

6 units semester 1 or 2

30 hours over 6 weeks

A survey of the main methodological, technical and connoisseurship questions arising from the history and historiography of European art since the Renaissance, concentrating in some detail on the collections of prints, drawings, oil paintings, watercolours, sculptures and decorative arts in the Art Gallery of South Australia, and with particular reference to the seventeenth and eighteenth-century development of the genres of landscape and portraiture. The course looks in some detail at the cultures of 'Britain' in this period, as well as Italy, Germany and France.

Elective courses

HIST 5200

Studies in European Paintings Connoisseurship (7056)

6 units semester 1 or 2

30 hours over 6 weeks

A survey of selected contributors to the development of connoisseurship in Europe, concentrating on the ideas and techniques of analysis and classification adopted by Leon Battista Alberti, Giorgio Vasari, Roger de Piles, William Hogarth, Jonathan Richardson, Giovanni Morelli, Heinrich Wofflin, Bernard Berenson, Alois Riegl and Richard Offner. Students will be encouraged to read as widely as possible in this discrete area of art-historical enquiry, and in the process to exercise their own eye on as many original works of art as possible.

HIST 5201

Studies in Australian Colonial Art (7097)

6 units semester 1 or 2

30 hours over 6 weeks

A survey of the arts of colonial Australia from 1788 to 1901, paying particular attention to early paintings and works on paper by John Lewin, Thomas Bock, John Glover, Eugen von Guerard, William Strutt, Alexander Schramm, S. T. Gill and others. Some attention will also be paid to the decorative arts of Colonial Australia, and to the early practice of photography.

HIST 5206

Art Museum Internship (7794)

6 units semester 1 or 2

quota may apply

prerequisite: satisfactory completion of three courses for the Graduate Diploma

Interns will be exposed to as broad as possible an experience of the life of the Art Gallery of South Australia, working not only in the curatorial department but as far as possible in the areas of public programs, marketing and public relations, sponsorship and registration, depending upon the time of year and the specific needs and commitments of the participating staff. The intern will be encouraged to explore basic philosophical and ethical questions arising from the activities of art museums in general, and their role in framing art history.

HIST 5207

Individual Curatorial Project (7806)

6 units semester 1 or 2

quota may apply

prerequisite: satisfactory completion of three courses for the Graduate Diploma

Students will embark upon a minor writing, cataloguing, exhibition, display or other curatorial project to be proposed, developed and executed under the joint supervision of a nominated curator and the program coordinator. This project differs substantially from the internship in that it concentrates exclusively on curatorial and research work in an agreed area. Ideally, students working on this project would be able to participate in the preparation of a published exhibition or permanent collection catalogue.

HIST 5208

Studies in Twentieth Century Australian Art (7144)

6 units

30 hours over 6 weeks

content to be advised.

HIST 5209

Studies in Australian Indigenous Art (7159)

6 units semester 1 or 2

30 hours over 6 weeks

A survey of the indigenous arts of Australia, including late nineteenth and twentieth-century barks; works by Aboriginal artists in a western idiom (Namatjira); Papunya and Western Desert dot paintings; Centres of production in Arnhem Land, the Kimberley, central Australia, Tasmania and elsewhere. Contemporary urban Aboriginal art, Aboriginal printmaking, basket-weaving and other applied arts will also be examined, along with some of the ethical, anthropological, ethnographical and philosophical issues arising from the collecting and display of Aboriginal art and objects in European-style museums and art galleries.

HIST 5210

Studies in British Art (7182)

6 units

30 hours over 6 weeks

A survey of art in England, Scotland, Wales, Ireland and other parts of the British Isles from the reign of Queen Elizabeth to the reign of Queen Victoria, concentrating on the rise of British portraiture in the era of the Flemish expatriate artist Anthony van Dyck; the invention of the Conversation Piece; the adaptation in Britain of the Classical landscape tradition, particularly by Richard Wilson and his followers; and the evolution of the Victorian art world through the mid to late nineteenth century.

HIST 5211

Studies in Decorative Arts (7209)

6 units

30 hours over 6 weeks

A survey of selected developments in British and Australian decorative arts. The implications of the term 'decorative' will be considered at the outset, as well as the distinctive position of the decorative arts in the history of the modern museum. The British component of the course will focus on objects in the collection of the Art Gallery of South Australia that relate to William Morris and the Arts & Crafts Movement. The Australian component will cover all aspects of the decorative arts in Australia since European settlement.

HIST 5212

Studies in Japanese Art (7256)

6 units

30 hours over 6 weeks

A survey of the later history of Japanese art, concentrating in some detail on ukiyo-e woodblock prints, metalwork, lacquer, netsuke and an in-depth study of a small number of major works of sculpture ceramics and painted screens.

assessment: written work totalling 9000 words – assignments 50%, take home exam 50%

HIST 5213

Studies in Southeast Asian Art (7261)

6 units 30 hours over 6 weeks

This course will look at Southeast Asian Ceramics and Textiles in particular. It will survey the parallel development of Southeast Asian ceramic traditions, concentrating in some detail on a number of Vietnamese, Thai, and Cambodian kilns and centres of production. Studies will focus on unique holdings of the Art Gallery of South Australia in this specialist area. The study in textiles will concentrate mainly on Indonesian cloths in the Gallery's collection, focusing mainly on the migration of motifs, the development of techniques such as single and double ikat work and batik.

Research project

HIST 5520

Research Project in Art History F/T (7807)

12 units semester 1 or 2

HIST 5521A/B

Research Project in Art History P/T (7813)

12 units full year

Major research project for private or public client developed in consultation with program coordinator

assessment: 15000 - 18000 word dissertation/report or equivalent

Master of Environmental Management

This program 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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising three semesters of full-time study or not more than three years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the degree of Master of Environmental Management shall

- (a) 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
- (b) have qualified for the International Graduate International Diploma in Environmental Management at credit level or higher *or*
- (c) have qualified for an Ordinary degree of Adelaide 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' approved professional work experience.

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 degree 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 degree

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have

completed the Graduate International Diploma in Environmental Management (see Rule 2.4 below).

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of the faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 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.

2.4.2 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.

2.4.3 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.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

- 3.2
- (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.

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

4 Qualification requirements

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, as follows.

4.1 Academic program

4.1.1 Coursework

All candidates shall complete 24 units from the following:

ENVT 5001 Environmental Audit	3
ENVT 5010 Environmental Impact Assessment	3
ENVT 5014 Environmental Management Challenge	3
ENVT 5016 Environmental Management Systems	3
ENVT 5019 Environmental Project Management	3
ENVT 5033 Policy Building for Sustainable Development	3
ENVT 5035 Environmental Clean-up Tools	3
ENVT 5038 Special Study in Environmental Management	3
ENVT 5060 Global Environmental Futures	3
GISC 5009 Introductory Spatial Information Systems	3

4.1.2 Dissertation

All candidates shall complete either the full-time or the part-time version of the dissertation:

ENVT 5500 Dissertation in Environmental Management F/T	12
ENVT 5502A/B Dissertation in Environmental Management P/T	12

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

ENVT 5001

Environmental Audit (4893)

3 units semester 1 or 2

prerequisite: 8669 Environmental Management Systems

Environmental audits of both sites and environmental management systems are a vital activity for organisations aiming continuously to improve their environmental performance. The Environmental Audit module provides training in comprehensive site auditing and the methods for auditing ISO14001 Environmental Management Systems. The course is externally accredited. Student assessment is through practical exercise in site auditing and an open book examination.

ENVT 5010

Environmental Impact Assessment (7492)

3 units 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. Participants work in teams to prepare a 'Draft Environmental Impact Statement' and will take part in a simulated 'Environmental Inquiry' into a proposed development.

ENVT 5014

Environmental Management Challenge (1357)

3 units 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, 5000 to 7000 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.

ENVT 5016

Environmental Management Systems(8669)

3 units 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 the ISO14000 series, its relation with quality and other standards, and experience in the use of practical tools for environmental risk management.

ENVT 5019

Environmental Project Management (2666)

3 units 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.

ENVT 5033

Policy Building for Sustainable Development (6884)

3 units 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.

ENVT 5035

Environmental Clean-up Tools (5033)

3 units 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.

ENVT 5038

Special Study in Environmental Management (7148)

3 units semester 1 or 2

This course will be subject to the availability of specialist teaching in fields other than those listed above.

ENVT 5060

Global Environmental Futures (5032)

3 units semester 1 or 2

This course is designed to engage the imagination as well as several distinct forms of policy analysis so that you will be able to consider the different options which face you, your family, your workplace, your country or your planet in the medium to long term future. It is a course designed to challenge our understandings of the present by a consideration of the future and the ways in which what we are doing, or thinking about doing, now will shape that future. It is not a course based on scare mongering statistical projections prophesying doom and disaster, species and planetary extinction. Humans have incredible capacities to analyse what is happening, and the consequences of actions, and to take new positions and define new ways of actions to overcome environmental and other problems as they become apparent.

GISC 5009

Introduction to Spatial Information Systems (4613)

3 units semester 1 or 2

The science and application of Spatial Information Systems is an extremely broad field that can provide a basis for environmental, development, geographic, health and socioeconomic studies. This course is designed to provide students with the theoretical and practical knowledge required to begin solving spatial problems using Spatial Information Systems. The lecture series introduces students to a broad range of essential conceptual issues surrounding the application of this technology. The practical component of the course provides students with the basic computer skills to address real-world spatial problems using the Arc-View desktop Geographic Information System (GIS) The lecture series provides students with the theoretical concepts necessary to support the rapid acquisition of practical skills.

Dissertation

ENVT 5500

Dissertation in Environmental Management F/T (2677)

12 units semester 1 or 2

ENVT 5502A/B

Dissertation in Environmental Management P/T (9728)

12 units full year

15000-18000 word dissertation.

Master of Environmental Studies

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of the award

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising three semesters of full-time study or not more than three years of part-time study.

2 Admission

2.1 An applicant for admission to the program 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

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 degree 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 degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Environmental Studies (see Rule 2.4 below).

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 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.

2.4.2 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.

2.4.3 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.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

- 3.2
- (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

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

4 Qualification requirements

To qualify for the degree of Master of Environmental Studies candidates shall complete a program of study to a total of 36 units as follows.

4.1 Program of study

4.1.1 Core course

ENVT 5036 Principles of Environmental Studies 6

4.1.2 Elective courses

All candidates shall complete elective courses to the value of 6 units selected from the following:

ENVT 5007 Environmental Futures 6

ENVT 5012 Environmental Information Systems 6

ENVT 5013 Conserving Biodiversity
in Fragmented Landscapes 6

ENVT 5015 Environmental Management Field Study 6

ENVT 5018 Environmental Impact Assessment 6

ENVT 5025 Environmental Professional Internship 6

ENVT 5030 Environmental Policy 3

ENVT 5037 Special Topic in Environmental Studies 6

ENVT 5039 Sustainable Tourism Management 6

ENVT 5040 Environmental Processes:
Landscape and Soil 6

ENVT 5061 Integrated Coastal Management 6

ENVT 5089 Environmental Rehabilitation
and Reconstruction 6

4.1.3 Dissertation

All candidates shall complete one of the following courses:

ENVT 5503 Environmental Research
Methodology and Project F/T 12

or

ENVT 5504A/B Environmental Research
Methodology and Project P/T 12

4.1.4 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.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

Compulsory Core Course

ENVT 5036

Principles of Environmental Studies (3081)

6 units semester 2

This course is intended to provide students with an understanding of the nature of current environmental concerns and of the way that Environmental Studies attempts to address these concerns in a transdisciplinary fashion. The course will consider the history and philosophy of environmentalism, the role of environmental science in identifying the causes and consequences of environmental concerns, the way environmental science informs environmental policy and planning, and the relation of environmental policy and planning to environmental management. The understanding of the principles of Environmental Studies gained from this course will provide a conceptual foundation for the electives and for conducting research.

assessment: written work totalling approx 9000 words, including workshops, presentations/exercises, essays/reports

Elective Courses

ENVT 5007

Environmental Futures (6912)

6 units not offered in 2002

3 hour class each week

The aim of this course is to examine how our global environmental resources have been managed in the past and to suggest how they may be managed on a more sustainable basis in the future. The course will evaluate both the beneficial and adverse effects of various forms of human interaction with local, regional and global environmental systems. The topics to be considered will 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

assessment: written work totalling approx 9000 words, including workshop presentations/exercises, essays/reports 60%, exam 40%

ENVT 5012

Environmental Information Systems (2146)

6 units summer semester

3 hour seminar

This course provides students with an introduction to the use of Spatial Information Systems (SIS) in Environmental Studies. The topics covered by the course will include SIS hardware and software, database models, data capture, nature and characteristics of spatial data, data vector and raster SISs, data analysis, environmental modeling and data integration

assessment: written work totalling approx 9000 words, including workshop presentations/exercises, essays/reports 60%, exam 40%

ENVT 5013

Conserving Biodiversity in Fragmented Landscapes (4973)

6 units not offered in 2002

3 hour seminar

This course examines management strategies for conserving native species and ecosystems in human dominated environments where the native vegetation cover has been fragmented and persists only as remnant patches scattered within a matrix of introduced vegetation and human constructions on rural-agricultural and urban-industrial land. The course considers strategies for the design of 'island and corridor' ecological reserve systems, but concentrates on strategies for the rehabilitation of remnant native ecosystems outside of ecological reserves and reconstruction strategies intended to promote biodiversity conservation on rural-agricultural and urban-industrial land by restoring analogs of native ecosystems.

In addition to lectures, the course includes practical sessions involving laboratory and field exercises. These exercises are used to illustrate concepts presented by lectures and to demonstrate techniques of biodiversity conservation and restoration.

assessment: written work totalling approx 9000 words

ENVT 5015

Environmental Management Field Study (7822)

6 units not offered in 2002

3 hour workshop each week and a one week field camp during the mid-semester break

The aim of this course is to provide students with grounding in environmental management for sustainable development, using field-based case studies. The case study will vary from year to year.

assessment: a field project of approx 9000 words

ENVT 5018

Environmental Impact Assessment (6290)

6 units semester 1

3 hour class each week

This course introduces the methodology of environmental impact assessment (EIA) and examines the development of EIA overseas. It 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 of 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: written work totalling approx 9000 words, including workshops presentations/ exercises, essays/reports

ENVT 5025

Environmental Professional Internship (4901)

6 units semester 1 or 2

1 hour seminar and three hours project work

This course will provide students with the opportunity to spend a short time as a professional 'intern' working within an environmental government or non-government (community-based) organisation, while completing an agreed research project.

Student placements will depend on the availability of internship opportunities and, where there are more students seeking internships than there are internships available, a quota will operate and the allocation of placements will be based on academic merit.

The seminars during the first part of the course will be used to prepare students for their internships, while those during the second part will be used to monitor the progress of the internships and assist students to prepare their research project reports.

assessment: internship project report of approx 8000-9000 words

ENVT 5030

Environmental Policy (7423)

6 units semester 2

3 hour seminar

This course will provide a conceptual framework, derived from the disciplines of politics and policy studies, which will assist students to understand environmental policy-making. Various analytical models will be presented to describe, and to prescribe, appropriate environmental policy-making patterns. The three historical stages of Australian environmental policy making over the past thirty years will be outlined, and the key attributes of the different policy-making models utilised at each stage will be described. Particular emphasis will be placed on recent Australian federal and State government environmental policy-making.

assessment: written work totalling approx 9000 words, including workshop presentations/ exercises, essays/reports

ENVT 5037

Special Topic in Environmental Studies (2267)

6 units semester 1 or 2

3 hour class each week

Available subject to staffing. Content to be advised.

assessment: written work totalling approx 8000-9000 words, including workshop presentations/ exercises and essays/reports 60%, exam 40%

ENVT 5039

Sustainable Tourism Management (6350)

6 units semester 2

2-hour seminar, 3 hours practical work, field work

The purpose of this course is to provide students with an understanding of the principles of sustainable tourism and practical experience in applying these principles to tourism planning and project management. Despite the economic benefits generated by the tourism industry, uncontrolled mass tourism can have substantial social and environmental costs. In a number of countries initial rapid growth of the tourism industry has been followed by a 'crash' in international arrivals and receipts when the country's tourism resource base of cultural and environmental attractions has been degraded by poorly planned and managed visitation. This 'boom and bust' process has caused severe social disruption of the local communities associated with many tourist destinations. Sustainable tourism management is a means of ensuring that tourism destinations can continue to enjoy the economic benefits of international and domestic visitation while protecting the quality of their societies and environments from negative impacts by tourism activities.

assessment: written work totalling approx 9000 words, including workshop presentations/exercises and essays/reports

ENVT 5040

Environmental Processes: Landscape and Soils (4980)

6 units not offered in 2002

3 hour class each week

This course provides an introduction to landscape dynamics and soil development focusing largely on the Australian scene. Land formation is a major theme, as is the weathering and erosion of these forms and the deposition of sediments. A variety of Australian landscape forms are examined in detail, emphasising their influence on the nature of associated soils. The characteristics, classification and properties of these soils are outlined, supported by laboratory-based practicals and a field exercise. Land degradation and modern approaches to land use

and landscape rehabilitation are further themes, including social barriers to the adoption of conservation practices, and efforts to overcome these obstacles.

assessment: written work totalling approx 9000 words, including workshop presentations/exercises, essays/reports 60%, exam 40%

ENVT 5061

Integrated Coastal Management (5041)

6 units not offered in 2002

3 hour seminar

This course 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 course provides an overview of various coastal processes as a background to an understanding of coastal management issues. A major focus of the course is on recent coastal management initiatives in Australia by both the Commonwealth Government and State Governments.

assessment: written work totalling approx 9000 words, including workshop presentations/exercises, essays/reports 60%, exam 40%

Dissertation

ENVT 5503

Environmental Research Methodology and Project

F/T (7704)

12 units semester 1 or 2

ENVT 5504A/B

Environmental Research Methodology and Project

P/T (7084)

12 units full year

2 hour seminar

This course 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 course 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 Spatial Information Science

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of the award

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising three semesters of full-time study or not more than three years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Master of Spatial Information Science 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

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 degree 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 degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course which he or she has completed for another award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Spatial Information Science (see Rule 2.4 below).

2.3.4 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 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.

2.4.2 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 Environmental Studies must surrender the Graduate Diploma before being admitted to the Master degree.

2.4.3 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.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

- 3.2
- (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

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

4 Qualification requirements

To qualify for the degree of Master of Spatial Information Science candidates shall complete a program of study to a total of 36 units as follows.

4.1 Program of study

4.1.1 Core courses

GISC 5008 Introduction to Spatial Data Models	3
GISC 5009 Introduction to Spatial Information Systems	3
GISC 5011 Research Project SIS	6
GISC 5013 Spatial Data Modelling & Analysis	3
GISC 5014 Spatial Data Visualisation	3

4.1.2 Elective courses

6 units selected from the following

GISC 5001 Advanced Raster Analysis	3
GISC 5006 Field Sampling Techniques	3
GISC 5010 New Technologies in GIS	3
GISC 5012 Social Applications in GIS	3

Students may also select from elective courses offered by the Department of Environmental Science and Rangeland Management. It may also be possible to substitute other electives to a total of 3 units from cognate areas with the permission of the Program Convenor

4.1.3 Research project

All candidates shall complete either the full-time or the part-time version of the dissertation:

GISC 5501 Dissertation (SIS) F/T	12
GISC 5502A/B Dissertation (SIS) P/T	12

- 4.1.4 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.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

Core Courses

GISC 5008

Introduction to Spatial Data Models (6155)

3 units semester 1

15 hours lectures, 20 hours practicals

prerequisite: 4613 Introduction to Spatial Information Systems

Having established a solid foundation in spatial information science and the use of spatial information systems, this course both consolidates and broadens considerably the theoretical basis and practical implementation of these systems. Some of the different types and sources of error and how they can affect a GIS analysis are outlined and some of the methods by which error is minimised and corrected are discussed. The theory and application of network analysis such as shortest path analysis for emergency response and service catchment analysis is unique and important and is dealt with in some depth.

Significant attention is devoted in this course to finding the data you need, documenting data and metadata standards. The course then begins a strong focus on the raster data model and raster analysis including map algebra. Advanced applications of both vector and raster GIS are discussed including landscape habitat analysis, environmental and ecological modelling, spatial epidemiology, crime analysis, and quantifying accessibility and remoteness to services.

Practical sessions introduce different data models used in the analysis of spatial information such as rasters, geometric networks and the object-oriented geodatabase model. Practicals then move through topological editing and network analysis, vector-raster conversion, raster data management, analysis and finally, spatial process modelling based on land suitability and fire risk analysis.

assessment: seminar 20%, project 40%, exam 40%

GISC 5009

Introduction to Spatial Information Systems (4613)

3 units semester 1

15 hours lectures, 20 hours practicals

This course will introduce the basic concepts of spatial information science and spatial information systems as integrative disciplines and technologies. The major technologies for dealing with spatial information – Geographic Information Systems (GIS), remote sensing and image processing, and Global Positioning Systems (GPS) are also introduced. Issues associated with inputting, storing, manipulating, modelling and visualising spatial data, and some of the problems likely to be encountered, will be discussed. This course examines the two dominant models for dealing with

spatial data - the raster and vector models, then focuses on vector spatial analysis techniques such as map overlay. Conceptual linkages between the real world and the digital objects in a spatial database will be made and the principles and applications of relational database management systems will be discussed within the context of GIS. Importantly, the fundamental geographic concepts underlying all spatial information - geodetic datums, map projections, coordinate systems and scale are covered in some detail. The course is strongly application-based and aims to illustrate the concepts of spatial data models and analysis within the context of solving many different types of real social and environmental problems including urban planning, health, infrastructure management and nature reserve planning.

Practical sessions will include basic spatial data visualisation, thematic mapping and query, working with datums, projections and coordinate systems and querying and manipulation of non-spatial data, digital imagery, heads-up digitising and vector spatial analysis within an urban context. Field work will include data capture with GPS live-linking the GPS and GIS.

assessment: essay 20%, project 40%, exam 40%

GISC 5013

Spatial Data Modelling and Analysis (5107)

3 units semester 1

15 hours lectures, 20 hours practicals

prerequisite: Introduction to Spatial Information Systems

Over the last 30 years more and more Earth-observing platforms have been flown and an increasingly large amount of digital imagery has become available. This information has been remotely sensed from a variety of airborne and satellite-based sensors and has included both passive (e.g. Landsat, CASI hyperspectral) and active (e.g. RADAR, LIDAR) sensors. A wide range of image processing techniques are used to search, and refine large amounts of data to produce timely, relevant information. This module provides a broad introduction to remote sensing and image processing including topics such as: the development of remote sensing to the present day; the division between visual interpretation and computer assisted interpretation of raster images; computer enhancements of image data; radiometric rectification and spectral transformations of remotely sensed image data; unsupervised and supervised classification of image data; analysis of error and sensitivity.

assessment: essay 20%, project 40%, exam 40%

GISC 5014

Spatial Data Visualisation (3088)

3 units semester 1

15 hours lectures, 20 hours practicals

prerequisite: Introduction to Spatial Information Systems

This course introduces students to deterministic and geostatistical interpolation of surfaces from point data. Students will gain an understanding of the types of surface interpolators available, the characteristics of each and how to choose the most appropriate one. Surface interpolation will progress through topographic surface interpolation using triangulated irregular networks (TINs) and rasters, creating Digital Elevation Models and modelling surface hydrology. Advanced spatial process modelling, simulation and cellular automata will also be introduced. 3D and 4D spatial and spatio-temporal data models and analysis will be covered and multidimensional analysis and visualisation techniques will be greatly extended. The last half of the course covers cartographic practice and how to optimise the communication of spatial knowledge to people. Spatial data visualisation techniques will be discussed in the context of new technologies including multimedia, the WWW and virtual reality. Web-based distribution of spatial data and the integration of Internet and GIS technologies is a focus area. Issues of spatial cognition and how to build the most effective Graphical User Interfaces for GIS is also discussed.

Practical sessions implement the above concepts with real applications and real data. Sessions will include surface building with deterministic and geostatistical techniques, digital elevation, hydrological and erosion modelling. Students then create their own web pages and disseminate spatial information over the web. Practical time will also cover 3D urban modelling and planning using visibility analysis in the context of assessing the impact of developments of urban skylines, and the placement of line-of-sight telecommunications links within the CBD of Adelaide. 3D images and virtual reality models will be created as well as 4D animated movies for distribution over the web.

assessment: web site 20%, project 40%, exam 40%

of RADAR systems and the interpretation and processing of RADAR images; the theory of thermal imaging through sensors such as Landsat, NOAA and airborne imagery. Other topics include radiometric image correction and the calibration of radiance to reflectance; interpretation and use of spectral libraries; mapping sub-pixel components including spectral mixture analysis, spectral angle mapping and spectral feature fitting; fusion of RADAR and optical imagery.

assessment: project 50%, exam 50%

GISC 5006

Field Sampling Techniques (2523)

3 units semester 2

40 hours fieldwork

prerequisite: Introduction to Spatial Information Systems (4613); Spatial Data Modelling and Analysis (5107)

Field survey and validation is an essential component of providing solutions to spatial problems. Field sampling can involve the collection of raw data for input into a GIS or checking the spatial and attribute accuracy of existing GIS databases. Field measurements can be made of spectra from specific features and used in the classification and calibration of remotely sensed imagery. Ground truthing of spectral responses from existing imagery is necessary for any meaningful classification and feature extraction from imagery. Field sampling is also necessary for ground control for accurate image spatial registration. GPS has become an integral part of field data collection and live linkage of GPS and GIS in the field provides a useful tool for field data collection. This module is a field-based course where students will spend a week in the field collecting and analysing field data in the context of GIS and remotely sensed imagery.

GISC 5010

New Technologies in Geographical Information Systems (2833)

3 units semester 2

15 hours lectures, 20 hours practicals

prerequisite: Introduction to Spatial Information Systems (4613); Spatial Data Modelling and Analysis (5107)

Spatial information 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 20%, project 40%, exam 40%

Elective courses

GISC 5001

Advanced Raster Analysis (2445)

3 units semester 2

15 hours lectures, 20 hours practicals

prerequisite: Introduction to Spatial Information Systems (4613); Spatial Data Modelling and Analysis (5107)

This unit carries on from the work commenced in Spatial Data Modelling and Analysis and extends into advanced remote sensing and image processing. Topics covered in lectures and practicals include: current hyperspectral sensors such as CASI and HYMAP and hyperspectral image analysis techniques; theory and operation

GISC 5011

Research Project (SIS) (6559)

6 units semester 1 or 2

10 hours workshops

Topics may be chosen from a range of possible projects nominated by GISCA staff, Government or private agencies, or the student.

assessment: seminar 20%, project 80%

GISC 5012

Social Applications in Geographical Information Systems (9342)

3 units semester 2

15 hours lectures, 20 hours practicals

prerequisite: Introduction to Spatial Information Systems (4613); Spatial Data Modelling and Analysis (5107)

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 course 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 20%, project 40%, exam 40%

Dissertation

GISC 5500

Dissertation (SIS) F/T (9137)

12 units semester 1 or 2

GISC 5502A/B

Dissertation (SIS) P/T (8147)

12 units full year

10 hours workshops

The Dissertation in SIS subjects within the Masters degree in Spatial Information Science provide students with the opportunity to investigate, for one semester full time (or equivalent), a specific application of spatial information science. Topics may be chosen from a range of possible projects nominated by GISCA staff, Government or private agencies, or the student.

assessment: seminar 20%, thesis 80%

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Ph.D.

Please refer to the Graduate Studies section (see Contents) for Academic Program Rules

Postgraduate awards in the School of Law

Master of Comparative Laws (Adelaide/Mannheim)

Master of Laws

Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General Academic Rules to the Convenor of Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific Academic 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
- 4 There is also a Doctor of Laws (LL.D.) whose rules are available on application from the School office.

Master of Comparative Laws

A Master of Comparative Laws degree is conducted jointly by the Schools of Law at Adelaide University and the University of Mannheim, Germany. Enrolment is available at either University. The title of the degree for students enrolled at Adelaide University is 'Master of Comparative Laws (Adelaide/Mannheim)' and for students enrolled at the University of Mannheim it is 'Master of Comparative Laws (Mannheim/Adelaide)'. Courses 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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees apply to this program. (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 Academic Program Rules

1 Duration of program

- 1.1 Unless the School otherwise approves, a candidate may proceed to the degree by full-time study only.
- 1.2 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.

2 Admission

- 2.1 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 Adelaide University
 - (b) an Ordinary degree of Bachelor of Laws of Adelaide University which the School judges to have been attained at above-average standard
 - (c) an Ordinary degree of Bachelor of Laws of Adelaide University 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 2.1(a) and 2.1(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.

- 2.2 The School may in appropriate cases accept a candidate for the degree of Master of Comparative Laws who does not otherwise qualify under this Specific Academic Program Rule but has given evidence satisfactory to the School of capacity to undertake work for the degree.

2.3 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.

3 Assessment and examinations

- 3.1 There shall be four classifications of pass in any course of the Master of Comparative Laws (Adelaide/Mannheim) as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 3.2 The School will appoint an examiner in respect of each dissertation submitted at the School.
- 3.3 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.

4 Qualification requirements

To qualify for the degree of Master of Comparative Laws (Adelaide/Mannheim) a candidate shall:

- (a) complete satisfactorily three courses as indicated in clause 4.1.3 below
- (b) complete satisfactorily ten credit hours of courses designated as open for master's degree students by the School of Law at the University of Mannheim (each course containing such oral examination, written examination, written paper or combination thereof as determined by the course coordinator)
- (c) write a dissertation of between 12,000-15,000 words
- (d) otherwise comply with the provisions of the Specific Academic Program Rules.

4.1 Program of study

- 4.1.1 Programs of study must be approved by the Dean of the School or a nominee at enrolment each year.
- 4.1.2 Candidature will commence on the first day of the semester in which the candidate's coursework begins.
- 4.1.3 The courses for the degree of Master of Comparative Laws (Adelaide/Mannheim) shall vary from year to year except that:

LAW 7024 Comparative Law and LAW 7025 Dissertation (Comparative) will be offered annually.

International students may, upon approval of the School, present one course from the Bachelor of Laws in lieu of one of the MCL courses.
- 4.1.4 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.

Master of Laws

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of Program

- 1.1 A candidate may proceed to the degree by either full-time or part-time study.
- 1.2 Unless the School expressly approves an extension of time, a full-time candidate for the degree shall submit the thesis within two calendar years, and part-time or external candidates shall submit the thesis within four calendar years from the date of the commencement of candidature or probationary candidature. Except with permission of the School no thesis may be submitted earlier than one calendar year in the case of full-time candidates or earlier than two years in the case of part-time candidates, from the date of commencement of candidature.

2 Admission

- 2.1 (a) The School of Law may accept as a candidate for the degree of Master of Laws any person who:
- (i) Has qualified for an Honours degree of Bachelor Laws or an Ordinary degree of Bachelor of Laws with Honours at Adelaide University *or*
 - (ii) Holds a qualification which, in the opinion of the School, is at least equivalent to that of the Honours degree of Bachelor of Laws of the University.
- (b) (i) The School may accept as a probationary candidate for the degree of Master of Laws any other graduate of the University or of another tertiary institution if the qualifications of the candidate are such as to satisfy the School that the candidate is likely to be able satisfactorily to undertake work for the degree.
- (ii) Every probationary candidate shall, within such time as the School shall prescribe or allow, pass at Honours standard and at the first attempt such assessment as the School may prescribe. Should the candidate fail so to complete such assessment the probationary candidature shall lapse unless the School, under such conditions as it thinks fit, determines that it be allowed to continue.

- (c) Subject to the approval of the Board of Graduate Studies acting with 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 or as a probationary candidate for the degree of Master of Laws, a person who does not hold a University degree, if it is satisfied that the person is likely to be able satisfactorily to undertake work for the degree.

3 Assessment and examinations

- (a) The School shall appoint two persons to examine each thesis, at least one of whom shall be an external examiner.
- (b) The examiners shall report to the School and may recommend:
- (i) that the degree be awarded *or*
 - (ii) that the thesis be returned to the candidate for revision and resubmission *or*
 - (iii) that the degree be not awarded.

4 Qualification requirements

- 4.1 To qualify for the degree of Master of Laws a candidate shall demonstrate by the submission of a thesis of not more than 70,000 words on a subject approved by the School, an ability to carry out independent research, to marshal logically and appropriately, and to analyse and assess, the material produced by that research, and to express clearly and effectively the conclusions to be drawn from that analysis and assessment. The candidate, on submission of the thesis, shall adduce sufficient evidence that the thesis, which shall be prepared under the guidance of the supervisor or supervisors appointed by the School, is the candidate's own work.
- 4.2 If the School considers, after a final report by the appointed examiners, that a thesis submitted for the degree of Doctor of Laws or Doctor of Philosophy is not sufficiently meritorious to qualify the candidate submitting that thesis for the award of that degree, the School may, if in its opinion the thesis submitted is of a standard sufficient to comply with the relevant requirements, recommend that the Master of Laws be awarded.

Graduate School of Management

Website: www.gsm.adelaide.edu.au

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Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General Academic Rules to the Convenor of Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific General Academic 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

Graduate Certificate in Management

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 **Duration of program**

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete a program of study comprising one (1) trimester of full-time study or two (2) trimesters of part-time study. Except with the permission of the Faculty, the requirements of the graduate certificate must be completed within 2 years.

2 **Admission**

- 2.1 An applicant for admission to the academic program for the Graduate Certificate in Management shall have qualified for an Ordinary degree of Adelaide 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 approved relevant work experience.
- 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 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the graduate certificate
- 2.3 **Status, exemption and credit transfer**
- 2.3.1 No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award. Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award.
- 2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for equivalent graduate level studies.
- 2.3.3 In any case, no candidate will be awarded more than 6 points of status.
- 2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean or nominee, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3 **Assessment and examinations**

- 3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 3.2 (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.
- 3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Executive Dean or nominee and then only under such conditions as may be prescribed.

4 **Qualification requirements**

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 points, as follows:

4.1 **Academic program**

4.1 **Core Courses**

All candidates shall complete the following core courses:

MANAGEMENT 7086 Fundamentals of Leadership	3
MANAGEMENT 7100 Accounting for Managers	3
MANAGEMENT 7104 Marketing Management	3

4.2 **Elective courses**

All candidates shall complete 1 elective course to the value of 3 units selected from the Master of Business Administration (Advanced) program as directed by the Executive Dean or nominee.

Syllabuses

See Master of Business Administration (Advanced) for syllabus details.

Graduate Diploma of Business Administration

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete a program of study comprising two (2) trimesters of full-time study or four (4) trimesters of part-time study. Except with the permission of the Faculty, the requirements of the graduate diploma must be completed within 3 years.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Diploma of Business Administration shall have qualified for an Ordinary degree of Adelaide 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 approved relevant work experience.

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 1.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the graduate diploma.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award. Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for equivalent graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 12 points of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean or nominee, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Graduate Diploma of Business Administration who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate in Management may be admitted to the latter award, as appropriate.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Management and who subsequently satisfies the requirements for the Graduate Diploma of Business Administration must surrender the Graduate Certificate before being admitted to the Graduate Diploma

3 Assessment and examinations

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

3.2 (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.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Executive Dean or nominee and then only under such conditions as may be prescribed.

4 Qualification requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 points, as follows:

4.1 Academic program

4.1.1 Core Courses

All candidates shall complete the following core courses:

MANAGEMENT 7079 E-Business - New Dimensions	3
MANAGEMENT 7086 Fundamentals of Leadership	3
MANAGEMENT 7087 Managing Contemporary Organisations	3

MANAGEMENT 7100 Accounting for Managers	3
MANAGEMENT 7103 Managerial Economics	3
MANAGEMENT 7104 Marketing Management	3

Syllabuses

See Master of Business Administration (Advanced) for syllabus details.

4.1.2 Elective Courses

All candidates shall complete 2 elective courses to the value of 6 points selected from the Master of Business Administration (Advanced) program as directed by the Executive Dean or nominee.

Master of Business Administration

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising three (3) trimesters of full-time study or six (6) trimesters of part-time study. Except with the permission of the Faculty, the requirements of the degree must be completed within 5 years.

2 Admission

2.1 An applicant for admission to the academic program for the degree of Master of Business Administration shall have qualified for an Ordinary degree of Adelaide 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 approved relevant work experience.

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 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.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award. Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for equivalent graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 18 points of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean or nominee, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Business Administration who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate in Management or Graduate Diploma of Business Administration may be admitted to one of those awards, as appropriate.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Management or Graduate Diploma of Business Administration and who subsequently satisfies the requirements for the Master of Business Administration must surrender the Graduate Certificate or Graduate Diploma before being admitted to the Masters degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

3.2 (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.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Executive Dean or nominee and then only under such conditions as may be prescribed.

4 Qualification requirements

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 points, as follows:

4.1 Academic program

4.1.1 Core Courses

All candidates shall complete the following core courses:

MANAGEMENT 7079 E-Business - New Dimensions	3
MANAGEMENT 7081 Global Business	3

MANAGEMENT 7086 Fundamentals of Leadership	3
MANAGEMENT 7087 Managing Contemporary Organisations	3
MANAGEMENT 7088 Strategic Performance Drivers	3
MANAGEMENT 7100 Accounting for Managers	3
MANAGEMENT 7101 Managing for Value Creation	3
MANAGEMENT 7102 Managing Technology Innovation	3
MANAGEMENT 7103 Managerial Economics	3
MANAGEMENT 7104 Marketing Management	3

4.1.2 Integrative Courses

All candidates shall complete the following integrative course:

MANAGEMENT 7044 Strategic Management	3
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4.1.3 Elective Courses

All candidates shall complete 1 elective course to the value of 3 points selected from the Master of Business Administration (Advanced) program.

Syllabuses

See Master of Business Administration (Advanced) for syllabus details.

Master of Business Administration (Advanced)

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program Rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising four (4) trimesters of full-time study or eight (8) trimesters of part-time study. Except with the permission of the Faculty, the requirements of the degree must be completed within 6 years.

2 Admission

2.1 An applicant for admission to the academic program for the degree of Master of Business Administration (Advanced) shall have qualified for an Ordinary degree of Adelaide 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 approved relevant work experience.

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 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.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award. Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award.

2.3.2 Such status as may be awarded in exceptional circumstances will only be awarded for equivalent graduate level studies.

2.3.3 In any case, no candidate will be awarded more than 24 points of status.

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Executive Dean or nominee, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Business Administration (Advanced) who does not complete the requirements for the degree but satisfies the requirements for the Graduate Certificate in Management, Graduate Diploma of Business Administration or Master of Business Administration may be admitted to one of those awards, as appropriate.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Management, Graduate Diploma of Business Administration or Master of Business Administration and who subsequently satisfies the requirements for the Master of Business Administration (Advanced) must surrender the Graduate Certificate, Graduate Diploma or Masters before being admitted to the Masters (Advanced) degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

- 3.2**
- (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.

3.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Executive Dean or nominee and then only under such conditions as may be prescribed.

4 Qualification requirements

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 48 points, as follows:

4.1 Academic program

4.1.1 Core Courses

All candidates shall complete the following core courses:

MANAGEMENT 7079 E-Business - New Dimensions	3
MANAGEMENT 7081 Global Business	3
MANAGEMENT 7086 Fundamentals of Leadership	3
MANAGEMENT 7087 Managing Contemporary Organisations	3
MANAGEMENT 7088 Strategic Performance Drivers	3
MANAGEMENT 7100 Accounting for Managers	3
MANAGEMENT 7101 Managing for Value Creation	3
MANAGEMENT 7102 Managing Technology Innovation	3
MANAGEMENT 7103 Managerial Economics	3
MANAGEMENT 7104 Marketing Management	3

4.1.2 Integrative Courses

All candidates shall complete the following integrative courses:

MANAGEMENT 7042 Corporate Strategy	3
MANAGEMENT 7044 Strategic Management	3

4.1.3 Elective Courses

All candidates shall complete 4 elective courses to the value of 12 points selected from the list of approved electives..

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

assessment

For each course students may obtain from the lecturer concerned details of the assessment in that course including the relative weights given to the components (eg, such of the following as are relevant; assessments, trimester test, essays or other written or practical work, final written examinations, viva voce examinations).

timetable

The program timetable will be made available to candidates before the commencement of the program.

Compulsory core courses

MANAGEMENT 7079

E-Business – New Dimensions (6919)

3 units trimester 1, 2 or 3

3 hour seminar per week

This course meets the demands of business managers to have a level of understanding of the managerial, strategic and technological dimensions of electronic business, sufficient to enable them to manage organisations where the dynamics of e-business are involved. The course does not seek to provide managers with high level technical IT skills, or a deep understanding of e-business marketing tools, legal issues, privacy and copyright dimensions, or e-payments systems. Participants will deal with all these issues during the course, but for the primary purpose of enabling them to develop a managerial and strategic planning framework relevant to e-business. In so doing, participants will be introduced to the principles of strategic management, enabling them as managers to deal with e-business challenges from a leadership perspective.

assessment: exam, written assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7081

Global Business (6936)

3 units trimester 1, 2 or 3

3 hour seminar per week

prerequisite: 8258 Accounting for Managers or 4496 Financial Accounting and Analysis, 8279 Marketing Management or 9408 Marketing Principles, and 8655 Managerial Economics or 2697 Economics for Management

This subject builds participants' knowledge and understanding of cross-border business activity in two ways. First, it exposes participants to some of the practical requirements of managing businesses which are global in scope. Second, it organises participants with contemporary thinking about achieving global competitiveness.

Among everyday issues included are: the analysis of international trade flows, the drivers of foreign direct investment, the institutions of the global trading system, the different levels of regional economic integration, the character of the international monetary system and global capital market.

The course also helps participants understand the different ways in which companies organise themselves to achieve global competitiveness in diverse business environments. Global competitiveness is examined from three perspectives, that of public policy, that of senior managers responsible for results, and that of the CEO concerned with the internal structure of a global business.

assessment: exam, written assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7086

Fundamentals of Leadership (8242)

3 units trimester 1, 2 or 3

3 hour seminar per week

This course will focus on the macro level of organisational behaviour, emphasising the managerial and leadership roles in managing organisations in a dynamic environment.

The objectives are:

Development of a sophisticated understanding of the complexity of organisations, and greater insight into the significant internal and external forces that influence organisational behaviour and how they can be managed;

Development and application of conceptual and clinical skills that are useful for the analysis of organisations and the resolution of their problems;

Provision of an overview and introduction to the various sub-fields of organisation and management theories, such as competitive strategy, organisational change, conflict management, power and politics, and organisational culture.

assessment: exam, written assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7087

Managing Contemporary Organisations (8283)

3 units trimester 1, 2 or 3

3 hour seminar per week

prerequisites: 8242 Fundamentals of Leadership

This course will focus on the macro level of organisational behaviour, emphasising the managerial and leadership roles in managing organisations in a dynamic environment.

The objectives are:

Development of a sophisticated understanding of the complexity of organisations, and greater insight into the significant internal and external forces that influence organisational behaviour and how they can be managed;

Development and application of conceptual and clinical skills that are useful for the analysis of organisations and the resolution of their problems;

Provision of an overview and introduction to the various sub-fields of organisation and management theories, such as competitive strategy, organisational change, conflict management, power and politics, and organisational culture.

assessment: exam, written assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7088

Strategic Performance Drivers (8362)

3 units trimester 1, 2 or 3

3 hour seminar per week

prerequisite: 6410 Strategic Management

Performance measurement systems provide vital information for managers to achieve goals and strategies. Conventional systems focus on measuring financial performance, in particular profit, its components revenue and expenses, and investment. However, this course challenges students to think about performance in a strategic context. To succeed an organisation must measure and manage the drivers of performance as well as the financial consequences. These performance drivers reflect the organisation's strategies.

After completing this course students will be equipped to take a strategic view of performance measurement and management. They will understand the strengths and weaknesses of financial performance measurement systems and be able to develop measures of performance linked to the strategies of their organisation.

Topics covered will include the nature of management control systems and performance measurement, strategic planning and budgeting, financial performance measures (including EVA), the balanced scorecard, measuring and rewarding performance, managing performance across the value chain, and managing risk.

assessment: exam, written assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7100

Accounting for Managers (8258)

3 units trimester 1, 2 or 3

3 hour seminar per week

Participants in this course will develop the essential ability of all top flight managers, to use complex accounting information as a platform for decision-making. As the course unfolds, participants

will build an increasingly sophisticated level of understanding and comfort in dealing with financial reports, organise and interpreting earnings statements, balance sheets, and cash flow reports. This ability to analyse financial statements will enable participants to deal more effectively with strategic options for their businesses or business units.

Strong foundations in financial analysis, and development of crucial basic accounting skills will also enable participants to develop a management accounting focus. From this second phase of the course students will take away highly relevant and finely tuned skills in financial decision making, must be able to assess issues of business productivity and growth and to quantify complex business decisions. Such skills, ability and knowledge will enable participants to more effectively identify profitable opportunities and to contribute significantly to better management within their own organisations.

assessment: exam, written assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7101

Managing for Value Creation

3 hour seminar per week

corequisite: 8258 Accounting for Managers

This course initially will cover the concepts of valuation in finance, and show how they can be applied to valuing corporate securities. Adopting a value creation perspective, the course will then consider capital expenditure decision approaches and their application to a range of situations, as well as evaluation of the results. Then, risk is considered, with a risk-return model developed that can be applied in managing for value creation. The course examines the concept of the weighted average cost of capital, before turning to consider corporate financing and capital structure decisions.

assessment: exam, written assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7102

Managing Technology Innovation (8379)

3 units trimester 1, 2 or 3

3 hour seminar per week

prerequisite: 6410 Strategic Management

Managing Technology and Innovation (MTI) examines the challenges of managing technology and innovation from the general manager's point of view. MTI will help students understand the root causes of common problems in technology and innovation, showing how these can manifest themselves symptomatically in various stages of the development process, and in different areas of the company.

The purpose of MTI is first to help managers build the tools to understand the real, underlying reasons why efforts to innovate so

often fall short of expectations – and then with that understanding as a foundation, to learn how to build action plans that resolve the root problems.

Expected course outcomes are to:

Identify that it is often "good" rather than "bad" management that leads companies to miss certain strategically critical innovations; Understand the challenges of finding new markets for new technologies, and develop a set of principles by which they can manage searches for innovative product-market ideas; Understand how and why the streams of innovative products and services that firm introduce to the market can easily become disconnected from the strategies that managers intend for their firms to pursue; Identify the very capabilities that enable an organisation to execute certain innovations very effectively whilst constituting rigidities or disabilities in tackling innovations of a different nature; Understand when and why it is important to be a technology leader, and when it is advisable to follow other technology pioneers.

assessment: exam, written assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7103

Managerial Economics (8655)

3 units trimester 1, 2 or 3

3 hour seminar per week

This course provides an introduction to economic thinking and its relevance and application to managing organisations. The first part of the course deals with the structure of markets, including perfect competition, monopoly and oligopoly, and the competitive regulatory environment. The second part deals with the determinants of the aggregate level of output and employment, and elements in the determination of macroeconomic policy including interest rates, inflation and foreign trade and capital flows. The focus of the course is on current issues and their implications for managers and competitive organisations

assessment: exam, written assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7104

Marketing Management (8279)

3 units trimester 1, 2 or 3

3 hour seminar per week

Marketing lies at the core of all business. Whatever the character or size of your entity, its profit can come from only one place; the marketplace. All businesses are dependent on the income they earn from their customers, clients or buyers. In most larger businesses it is marketing managers who are primarily responsible for keeping their company close to its customers. In any case, all those who have a direct responsibility for identifying, reaching and satisfying customers are engaged in marketing and everybody in a

business needs to understand its marketplace activities. This course offers a complete introduction to professional marketing thought and action.

The course explains the nature and purpose of marketing, followed by the fundamentals of each of the most important marketing tasks. It analyses the business need for customer orientation, the evaluation of markets and the targeting of market opportunities. There is then assessment of buyer behaviour and the role of market information. In addition, the course explains how to integrate product and service decisions with those on pricing, distribution and promotion – and why this is necessary.

assessment: exam, written assignments, case study analyses, group or individual projects, class participation.

compulsory integrative courses

MANAGEMENT 7042

Corporate Strategy (6055)

3 units trimester 1, 2 or 3

3 hour seminar per week

prerequisite: all compulsory core courses in the MBA (Advanced) program plus 6410 Strategic Management

An integrated study of strategic decision making in organisations that builds on the concepts introduced in 6410 Strategic Management, and on knowledge gained from previous studies in functional areas of management. Prior studies in business level strategic management enables the focus in this course to be directed towards corporate and multi-business strategy, on globalisation and cross organisational relationships, and on the role of the senior management team. The course is based on presentations by the course coordinator, on case studies, and group presentations on organisational strategies. Specific topics include diversification, managing the multi-business organisation, mergers and acquisitions, transformation, strategic alliances, globalisation, top management teams, and the implications of developments in information technology and communication for corporate strategies.

assessment: examination, written assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7044

Strategic Management (6410)

3 units trimester 1, 2 or 3

3 hour seminar per week

prerequisite: 8242 Fundamentals of Leadership and 8283 Managing Contemporary Organisations or 2697 Organisational Behaviour and 5356 Human Resource Management, 8655 Managerial Economics or 2697 Economics for Managers, 8258 Accounting for Managers or 4496 Financial Accounting and Analysis, 8279 Marketing Management or 9408 Marketing Principles, 8327 Managing for Value Creation or 9684 Managerial Finance.

This course presents a unified way of thinking about the issues of strategic thinking and the management of change. Strategic thinking 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. Positioning - once the heart of strategy - is rejected as too static for today's dynamic markets and changing technologies. This course argues that bit by bit the quest for productivity, quality, and speed has spawned a remarkable number of management tools and techniques (TQM, benchmarking, JIT, outsourcing, re-engineering, partnering) and almost imperceptibly these management tools have taken the place of strategy. Strategic continuity, it is argued, should make an organisation's continual improvement more effective and must not imply a static view of the competition.

Strategic management is important because it can help focus the firm in terms of: What customers it chooses to serve; What customer needs it will fulfil; How it fulfils identified customer needs.

It also identifies a direction for the firm and enables a clear articulation of the path chosen. In this way strategic management facilitates change in the organisation. The process of developing strategy adds value and understanding throughout the organisation leading to managers thinking strategically. Students find this course one of the most rewarding and are left with a high level of general management skill.

assessment: exam, written assignments, case study analyses, group or individual projects, class participation.

elective courses

MANAGEMENT 7000 Entrepreneurship (1262)

3 units to be advised

prerequisite: 4496 Financial Accounting and Analysis or 8258 Accounting for Managers

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: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7002 European Business Strategy (1397)

3 units to be advised

3 hour seminar per week

prerequisite: 6410 Strategic Management

The development of the European Union (EU) over the last 20 years or so has had major strategic implications for companies within the member countries. Given that the EU is one of the major regional markets in the world, the EU also has had significant implications for the competitive strategies of companies in non-EU countries. As membership of the EU continues to expand and the degree of economic integration of the member countries increases, its significance for the rest of the world will increase. The EU has been traditionally important to Australian companies as an export market and also for the location of offshore operations. This course will examine the strategic implications of the EU for companies inside and outside of the Union, and provide participants with an understanding of the topics necessary to successfully implement strategies within the EU. Topics include an analysis of the European environment and the single market concept, developing a sustainable competitive position in a European context, the impact of the EU on organisational structure, developing strategic alliances within the EU, and implementing strategies in the single European market.

assessment: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7005 International Management Behaviour (1568)

3 units not offered in 2002

3 hour seminar per week

prerequisite: 5356 Human Resource Management or 8283 Managing Contemporary Organisations

This course 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: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7006 Managing Quality and Productivity (1579)

3 units trimester 3

3 hour seminar per week

prerequisite: 1348 Quantitative Methods and either 6309 Business Policy or 6410 Strategic Management (GSM)

The course 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: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7007

Supervised Research Project (1) (1923)

6 units consecutively over trimesters 1 & 2

MANAGEMENT 7057

Supervised Research Project (3) (7938)

6 units trimester 3 & trimester 1 of following year

prerequisite: all compulsory core courses and compulsory integrative courses in the MBA (Advanced) program

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 academic staff of the School. Work undertaken for the project is submitted in the form of a thesis and assessed as equivalent to two courses. 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 course 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

MANAGEMENT 7008

Industry Economics (1985)

3 units not offered in 2002

3 hour seminar per week

prerequisite: 2697 Economics for Management or 8655 Managerial Economics

This course 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: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7009

Public Sector Management (2015)

3 units not offered in 2002

3 hour seminar per week

This course 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: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7012

Business Process Management (2365)

3 units not offered in 2002

3 hour seminar per week

With the current emphasis on better ways to serve customers, organisations have started to question how they approach the task of process improvement. Three dominant approaches have appeared, Total Quality Management, Reengineering and Benchmarking. Fundamental to each approach is a new way of managing; a disciplined focus on improving the cross-functional processes which deliver value to customers. This course will lead participants through each approach and explain each in the context of their intended impact on business processes. The course explores an intriguing idea in depth. Many organisations are structured and manage themselves along functional lines but rethinking a business in terms of its processes challenges this wisdom. This leads to building management structures, systems and work teams around cross-functional processes. This development is called 'going horizontal' and provides new challenges for today's managers. Relevant issues such as process ownership, process teams, measurement, strategy and improvement methods are discussed in this course.

assessment: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7013

Managerial Leadership (2387)

3 units to be advised

3 hour seminar per week

prerequisite: 5367 Organisational Behaviour or 8242 Fundamentals of Leadership

This course 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: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7015

Managing Business in the Asia-Pacific (2589)

3 units to be advised

3 hour seminar per week

prerequisite: 6410 Strategic Management (GSM) or 6309 Business Policy

This course 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: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7020

Interpersonal Skills (2840)

3 units trimester 1 and 2

3 hour seminar per week

prerequisite: 5356 Human Resource Management or 81283 Managing Contemporary Organisations

The aim of this course 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: to be advised

MANAGEMENT 7022

Business Law (3564)

3 units

3 hours per week

This course 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: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7025

Company Failure and Renewal (4025)

3 units to be advised

3 hour seminar per week

prerequisite: 4496 Financial Accounting and Analysis or 8258 Accounting for Managers

This course 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

MANAGEMENT 7031

Operations Management (GSM) (4705)

3 units to be advised

3 hour seminar per week

prerequisite: 1348 Quantitative Methods; and either 6309 Business Policy or 6410 Strategic Management (GSM)

This course 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: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7033

The Learning Organisation (5090)

3 units to be advised

3 hour seminar per week

The objectives of this course 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: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7039

Management of Change (5876)

3 units to be advised

3 hour seminar per week

prerequisite: 5367 Organisational Behaviour or 81242 Fundamentals of Leadership and 5356 Human Resource Management or 8283 Managing Contemporary Organisations

This course 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 course. 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: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7040

Project Management (GSM) (5939)

3 units to be advised

3 hour seminar per week

prerequisite: 4496 Financial Accounting and Analysis or 8258 Accounting for Managers, 9684 Managerial Finance or 8327 Managing for Value Creation, and 5397 Organisational Behaviour or 8242 Fundamentals of Leadership

This course 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&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: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7041

International Marketing (6005)

3 units to be advised

3 hour seminar per week

prerequisite: 9408 Marketing Principles or 8279 Marketing Management

This course 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.

prerequisite: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7045

Services Marketing (6461)

3 units to be advised

3 hour seminar per week

prerequisite: 9408 Marketing Principles or 8279 Marketing Management

This course 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: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7046

Negotiation Skills (6812)

3 units to be advised

3 hour seminar per week

prerequisite: 5367 Organisational Behaviour or 8242 Fundamentals of Leadership

The purpose of this course is threefold. The first is to explore the major concepts and theories of negotiation, as well as the dynamics of interpersonal and intergroup conflict and its resolution. This will entail material about the structural (eg parties, positions, interests) and process (cognitive, interactional) dynamics that are required for a sound critical background. The second objective is to develop skills relevant to a broad range of applied contexts. This involves direct training in identifying crucial elements of negotiation situations and implementing appropriate resolution strategies. The third objective is to develop teamwork skills by working within and through group exercised.

assessment: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7052

International Financial Management (7587)

3 units trimester 1

3 hour seminar per 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: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7056

Key Issues in E-Commerce (7868)

3 units not offered in 2002

3 hour seminar per week

This course provides both the strategic and technical essentials of what a manager needs to know in order to manage and lead an electronic commerce initiative. From a business perspective, the course examines the use of the web for the marketing and distribution of goods and services. We will focus on assessing the marketing and strategic impact of EC on areas such as: publishing, retailing, entertainment, and travel. We will also study the policy and societal impact of EC on work, intellectual property rights, and electronic communities. Students will develop an understanding of the technology infrastructure that enables electronic commerce. We will cover technical issues such as the telecommunications and Internet infrastructure, Intranets, portals and search engines, electronic payment systems and security. Throughout the course, students will learn to use a combination of technical components and tools such as FrontPage and Access to build an actual commerce web site using features such as web access to databases.

assessment: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7058

Japanese Government and Business Organisation (7958)

3 units not offered in 2002

3 hour seminar per week

prerequisite: 2697 Economics for Management or Managerial Economics 8655

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: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7059

Advanced Managerial Finance (8143)

3 units to be advised

3 hour seminar per week

prerequisite: 9684 Managerial Finance or 8327 Managing for Value Creation

This course 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: to be advised

MANAGEMENT 7060

Economic Systems in Asia (8261)

3 units to be advised

3 hour seminar per week

restriction: 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: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7061

Business Marketing (8529)

3 units to be advised

3 hour seminar each week

prerequisite: 9408 Marketing Principles or 8279 Marketing Management

This course 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: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7063

Management and Strategic Control (8745)

3 units to be advised

3 hour seminar per week

prerequisite: 1426 Management Accounting and Analysis or 8258 Accounting for Managers;

assumed knowledge: 6309 Business Policy or 6410 Strategic Management (GSM)

restriction: 1215 Management Control Systems prior to 1996

This course 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: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7064

Advanced Marketing (8802)

3 units to be advised

3 hour seminar per week

prerequisite: 9408 Marketing Principles or 8279 Marketing Management

This course builds on the knowledge of marketing theory and practice gained in 9408 Marketing Principles. It embraces up-to-the-minute thinking and practice in mainstream marketing and is relevant across consumer, business, service, commodity, and information sectors. The course requires participants to prepare a complete marketing plan with budget and other supporting documents.

assessment: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7072

Management Project (9650)

3 units trimester 1, 2, 3

prerequisite: all compulsory core courses, plus the compulsory integrative courses 6410 Strategic Management and 6055 Corporate Strategy

5 compulsory research methodology sessions

This course draws on the work undertaken in the required core courses and builds on the analytical skills developed in the integrative courses. 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: case or project report

MANAGEMENT 7074

Management and Information Systems (9699)

3 units to be advised

3 hour seminar per 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/programming skills are required.

assessment: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7075

Advanced People Management Skills (9872)

3 units to be advised

3 hour seminar per week

prerequisite: Nil, but it would be an advantage to have completed 5356 Human Resource Management or 8283 Managing Contemporary Organisations

This course will provide a "hands on" opportunity for students to learn the skills of management. Note that this course will focus on job application, not theory. Upon completion of the course students will demonstrate their ability to name the correct intervention strategy required for employee situations and conduct the following meetings with employees: coaching, counselling, change management, career counselling, delegation, interviewing and selection, problem solving, decision-making, one-on-one training and performance management.

assessment: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7077

Workplace Relations (9972)

6 units not offered in 2002

3 hour seminar per week

prerequisite: 5367 Organisational Behaviour or 8242 Fundamentals of Leadership and 5356 Human Resource Management or 8283 Managing Contemporary Organisations

The course 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: assignments, case study analyses, group or individual projects, class participation.

MANAGEMENT 7078

Electronic Marketing (6355)

3 units to be advised

3 hour seminar per week

This is an integrative course which builds on the basic themes from previous completed studies in accounting, management, marketing and finance and from previous professional experience. The focus is on applying these concepts to start and grow e-marketing initiatives, to help make profitable decisions, and to compete effectively in the marketplace. Issues covered will include strategies and tactics for value creation, exploring issues such as connectivity, broadband, "community," "stickiness" and internet privacy; the process of introducing, exploiting and profiting from technological innovation and intellectual property in the marketing field; and assessing the public policy implications of e-marketing.

The course seeks to challenge students to build on their business education and experience to clarify their own entrepreneurial tendencies and focus their skills on identifying, assessing and planning the profitable exploitation of opportunities via e-marketing.

assessment: assignments, case study analyses, group or individual projects, class participation

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Graduate Certificate in Mathematics Education

Graduate Certificate in Telecommunications

Graduate Diploma in Applied Statistics

Graduate Diploma in Computer Science

Graduate Diploma in Mathematical Science

Master of Applied Science (Communications)

Master of Computer Science

Master of Information Technology

Master of Mathematical Science

Master of Mathematical Sciences (Signal and Information Processing)

Master of Science in the School of Mathematical and Computer Sciences

Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General Academic Program Rules to the Convenor of the Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific Academic Program 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

Graduate Certificate in Computer Science

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

Specific Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate a candidate shall complete satisfactorily a program 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

2 Admission

2.1 Except as provided in 2.2 below, an applicant for admission to the program 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.

2.2 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.

2.3 A knowledge of SACE Stage 2 Mathematics I or its equivalent is assumed.

2.4 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 Adelaide University, or equivalent qualifications in Computer Science.

2.5 Credit Transfer

2.5.1 A candidate who has passed courses in this or other educational institutions and who has not presented these courses towards an award may, on written application, be granted such exemption from the requirements of these rules as the Faculty shall determine. Status may be granted for a maximum of 3 units under 4.1 of the Specific Academic Program Rules.

2.5.2 No candidate will be permitted to count for the Graduate Certificate any course that in the opinion of the Department contains substantially the same material as any other course which he or she has presented already for another qualification

3 Assessment and examination

3.1 There shall be four classifications of pass at an examination in any course 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 course or division of a course may not enrol for that course again except by special permission to be obtained in writing from the Faculty and then only under such conditions as may be prescribed.

4 Qualification requirements

4.1 To qualify for the Graduate Certificate the candidate shall satisfactorily complete courses to the value of at least 12 units listed in 4.1 for the degree of Graduate Diploma in Computer Science.

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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees may apply to this program.

Specific Academic Program Rules

1 Duration of program

- 1.1 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.

2 Admission

- 2.1 Except as provided for in 2.2 an applicant for admission to the program 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 Adelaide University, or for an equivalent degree of another tertiary institution accepted for the purpose by the University *or*
- 2.2 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.
- 2.3 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 2.1 or 2.2 but who has given evidence satisfactory to the Faculty of fitness to undertake work for the Certificate.

3 Assessment and examination

Review of academic progress

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.

4 Qualification requirements

- 4.1 To qualify for the degree a candidate shall:
- comply with conditions as prescribed in the Specific Academic Program Rules *and*
 - pass such examinations on the candidate's program of advanced study as may be required by the Faculty.
- 4.2 **Unacceptable combinations of courses**
- A candidate may not count towards the Graduate Certificate a course or closely related course or part of a course that has already been presented for another degree or diploma.
- 4.3 **Academic Program**
- 4.3.1 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 courses to the value of at least 12 units as defined in 4.3.2.
- 4.3.2 The program of study to the value of at least 12 units shall consist of courses selected from:
- | | |
|--|---|
| APP MTH 7023 Satellite Communications | 2 |
| ELEC ENG 7000 Multisensor Data Fusion | 2 |
| ELEC ENG 7015 Adaptive Signal Processing | 2 |
| ELEC ENG 7017 Beamforming and Array Processing | 2 |
| MATHS 7001 Information Theory | 2 |
| MATHS 7002 Kalman Filtering and Tracking | 2 |

MATHS 7003 Error Control Coding	2
MATHS 7004 Mobile Communications	2
MATHS 7007 Image Processing	2
MATHS 7009 Speech Processing	2
MATHS 7011 Signal Processing Applications	2
MATHS 7015 Signal Synthesis and Analysis	2
MATHS 7017 Specialised Studies A	2
MATHS 7018 Specialised Studies B	2
MATHS 7019 Specialised Studies C	2
MATHS 7020 Specialised Studies D	2
MATHS 7012 Detection, Estimation and Classification	2
MATHS 7013 Introduction to Discrete Linear Systems	2
PURE MTH 7041 Mathematical Coding and Cryptology	2

Specialised Studies may consist of directed readings or approved short courses as approved by the Faculty. The content and assessment of these courses will be determined in each case by the academic coordinator of the program in consultation with the student's supervisor and the student.

Note: Intending students should consult the program coordinator early in the year in which they plan to study in order to ascertain whether particular courses will be available in that year and in which semester courses will be taught

- 4.3.3 Candidates who have been granted exemption from one or more of the courses listed in 4.3.2 may select in their place relevant courses from other courses offered by Adelaide University or other tertiary institutions in South Australia as may be approved by the School of Mathematical and Computer Sciences.
- 4.3.4 The availability of all courses is conditional on there being adequate staffing levels and resources.

Syllabuses

Prospective students should consult the program coordinator early in the year in which the program is being offered regarding the content of the specific courses 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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty the program for the Certificate shall be completed in not more than two years of part-time study.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Certificate shall:

- 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.
- have completed such other work as may be prescribed in the Specific Academic Program Rules.

2.2 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 2.1(a) and (b) above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the Certificate.

3 Assessment and examination

Review of academic progress

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.

4 Qualification requirements

4.1 To qualify for the Certificate a candidate shall satisfactorily complete a program of study and comply with conditions as prescribed in the Specific Academic Program Rules.

4.2 Program of study

4.2.1 To qualify for the Certificate a candidate shall satisfactorily complete courses from 4.3 below with an aggregate value of at least 12 units satisfying the following requirements:

- Unless otherwise agreed by the Faculty, the courses presented for the Certificate must include Core courses with an aggregate value of at least 8 units.
- The courses presented for the Certificate shall not include any course which is, in the opinion of the Faculty, substantially equivalent to another course presented for the Certificate or already counted towards another qualification gained by the candidate.

4.2.2 Candidates wishing to enrol in courses 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).

4.2.3 To complete a program of study, a candidate, unless exempted by the Faculty, 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 Faculty may prescribe.

4.2.4 The syllabus for each course 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.

4.3 Academic Program

The following shall be the courses for the Graduate Certificate in Mathematics Education:

4.3.1 Core courses (provisional list)

Group A

APP MTH 5001 Thinking Mathematically	2
APP MTH 5042 School Mathematics Curriculum	2
PURE MTH 5015 Geometry for Teachers	2
PURE MTH 5022 Exploratory Data Analysis	2
PURE MTH 5031 Applying Mathematics	2

Group B

APP MTH 5003 Mathematics in Education	2
PURE MTH 5011 Modelling with Mathematics	2
PURE MTH 5043 Discrete Mathematics	2
PURE MTH 5044 Modern Statistics	2

4.3.2 Further courses

Group C

PURE MTH 5001A/B Certificate Project (Full-Year)	2
PURE MTH 5014 Directed Reading Studies	2
PURE MTH 5016 Minor Certificate Project	1
PURE MTH 5036 Certificate Project	2
PURE MTH 5037 Certificate Mathematical Studies	2
PURE MTH 5040 Minor Directed Reading Studies	1

Group D

Any other mathematical sciences or mathematics education course or other relevant course offered within Adelaide University and approved for the purpose by the Dean (or nominee).

Group E

Other mathematical sciences or mathematics education courses 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).

4.3.3 Each year the Faculty shall determine which of the above courses will be offered in the following year and in which semesters they will be offered.

4.3.4 Notwithstanding the above, the availability of all courses is conditional on the availability of staff and facilities.

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 program 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 program 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 Adelaide University 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 courses. 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 program may be taken in up to two years of part-time study. It consists of courses with an aggregate value of at least 12 units, not equivalent to courses already offered by the candidate for another award. These courses must include core courses with an aggregate value of at least 8 units. (If courses equivalent to core courses have been offered for another award, other courses may be specified in their place.)

The core courses 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 unit core course typically involves 26 to 30 contact hours; some courses will be based entirely on seminars and workshops while others will involve formal lectures with some associated workshops.

The core courses are divided into two groups and normally a student's core courses will all be from the same group. Group A core courses 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 courses 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 program 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 Adelaide University will usually select their non-core courses from Group C, which comprises courses offered at Adelaide University. They will normally include a course whose work requirement consists of a project.

In the program for the Certificate there will be an emphasis on applications, investigations and problem-solving, and all students will take some courses 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 units on account of work completed towards this Graduate Certificate.

Graduate Certificate in Telecommunications

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

Note: Postgraduate tuition fees may apply to this program.

Specific Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate a candidate shall complete satisfactorily a program of full-time study extending over at least one semester or of part-time study extending over at least two semesters.

2 Admission

2.1 Except as provided for in 2.2 an applicant for admission to the program 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.

2.2 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 program under 2.1 (a) and (b) but has given evidence satisfactory to the Faculty of fitness to undertake work for the Certificate.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each course 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 course and desires to take the course 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.

3.4 A candidate who has twice failed the examination in any course or division of a course may not enrol for that course again except by special permission to be obtained in

writing 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 Qualification requirements

4.1 To qualify for the Certificate a candidate shall satisfactorily complete a program 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.

4.2 Program of study

4.2.1 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.

4.2.2 To qualify for the certificate a candidate shall satisfactorily complete courses from 4 with an aggregate units value of at least 12 and satisfy the requirement that the courses presented shall not include any which is, in the opinion of the Faculty, substantially equivalent to another course presented for the Certificate or already counted towards another qualification gained by the candidate.

4.2.3 Candidates wishing to enrol in courses 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).

- 4.2.4 To complete a program 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.
- 4.2.5 Each candidate's program of study must be approved by the Dean of the School of Mathematical and Computer Sciences (or nominee) at enrolment each year.

4.3 Academic Program

- 4.3.1 The following shall be the courses for the Graduate Certificate in Telecommunications.

Group A: School of Mathematical and Computer Sciences

APP MTH 5005 Optimisation III	2
APP MTH 6005 Mathematical Programming III	2
APP MTH 6006 Stochastic Modelling for Telecommunications III	2
APP MTH 7012 Communication Network Design	2
APP MTH 7014 Teletraffic Models	2
APP MTH 7043 Transform Methods and Signal Processing	2
PURE MTH 7041 Mathematical Coding and Cryptology	2

Group B: Electrical and Electronic Engineering Department

ELEC ENG 5013 Advanced Signal Processing	1
ELEC ENG 5015 Broadband and ATM Networks	1
ELEC ENG 5016 Optical Communications	1
ELEC ENG 5017 Real Time Systems	1
ELEC ENG 5018 Signal Processing B	1
ELEC ENG 5019 Signal Processing A	1
ELEC ENG 5020 Distributed Systems and Multimedia Communications	1

Group C: Electronic Engineering, University of South Australia

Communications System Theory	2
Digital Transmission	2
Error Control Coding	2
Mobile Communications	2
Network Protocols	2
Optical Communications (UniSA.)	2
Satellite Communications	2
Speech Processing	2

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's enrolment procedures.

Group D

Other relevant courses or work as may be approved by the Dean of Mathematical and Computer Sciences (or nominee).

- 4.3.2 Each year the Faculty shall determine which of the above courses will be offered in the following year.
- 4.3.3 Notwithstanding the above, the availability of all courses is conditional on the availability of staff and facilities.

Syllabuses

The degree draws upon courses on telecommunications given by the Departments of Mathematics and Electrical and Electronic Engineering at Adelaide University 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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees may apply to this program.

Specific Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a program of full-time study extending over at least one year or of part-time study extending over at least two years.

2 Admission

2.1 Except as provided for in 2.2 a candidate for admission to the program 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 Faculty.

2.2 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.

3 Assessment and examinations

3.1 There shall be four classifications of pass at an annual examination in any course 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 course and desires to take the course 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 course or division of a course may not enrol for that course 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 Qualification requirements

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 courses chosen from the following list, to an aggregate value of at least 16 units, with at most 6 units from Level II.

4.1 Academic Program

4.1.1 compulsory course

STATS 6001 Statistical Modelling III 3

4.1.2 Level II Statistics courses

STATS 6002 Introduction to Mathematical Statistics II 2

STATS 6003 Statistical Practice II 2

STATS 6011 Statistical Theory and Modelling II 2

4.1.3 Level III Statistics courses

APP MTH 6003 Life Contingencies III 2

STATS 6004 Multivariate Analysis III 2

STATS 6005 Time Series III 3

STATS 6006 Theory of Statistics III 3

STATS 6007 Non-parametric Methods III 2

STATS 6008 Biostatistics III 3

STATS 6010 Experimental Design III 3

STATS 6011 Statistics for Quality Improvement III 2

STATS 6014 Sampling Theory and Practice III 3

4.1.4 at most two of the Level III Applied Mathematics courses:

APP MTH 6002 Applied Probability III	2
APP MTH 6004 Mathematical Biology III	2
APP MTH 6005 Mathematical Programming III	2
APP MTH 6006 Stochastic Modelling for Telecommunications III	2

4.1.5 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 in advance and must comply with Flinders University enrolment procedures.

4.1.6 Statistics courses listed in 5.3.1 for the degree of Master of Mathematical Science.

4.1.7 Other courses which may be offered from time to time by the Department of Statistics in Adelaide University, the Discipline of Statistics in The Flinders University of South Australia and the Biometry Section, the Waite Campus, Adelaide University.

4.1.8 Project

STATS 6015 Statistics Project	8
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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.

4.1.9 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 course students may obtain from the relevant department details of the examination in that course 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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees may apply to this program.

Specific Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a program of study extending over at least one year.

2 Admission

2.1 Except as provided for in 2.2 a candidate for admission to the program 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.

2.2 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.

2.3 Status and Credit Transfer

2.3.1 Subject to 2.4.1 below, no candidate will be permitted to count for the Graduate Diploma in Computer Science any course that in the opinion of the Department contains substantially the same material as any other course which the candidate has presented already for another qualification.

2.3.2 A candidate who has passed courses in other educational institutions may, on written application, be granted such exemption from the requirements of these rules as the Faculty shall determine. Status may be granted for a maximum of 3 units under 4.1.1 of the Specific Academic Program Rules.

2.4 Articulation with other awards

2.4.1 A candidate who has been enrolled for the Graduate Certificate at Adelaide University and who has not been awarded the Graduate Certificate shall, on written application, be permitted to transfer all equivalent courses towards the Graduate Diploma degree.

2.4.2 A candidate who holds the Graduate Certificate in Computer Science from Adelaide University shall surrender the Graduate Certificate before being awarded the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass at an examination in any course 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 course and desires to take the course 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 course or division of a course may not enrol for that course 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 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 Qualification requirements

A candidate for the Graduate Diploma shall regularly attend lectures and tutorials, do such written work as shall be prescribed, and pass examinations in courses offered by the Department of Computer Science totalling 24 units, including the 3 unit course 6263 Software Engineering and Project. Normally this would require at least 8 units at Level II and at least 7 units at Level III from the following list.

4.1 Academic Program

Level II courses:

COMP SCI 6003 Computer Science Concepts	3
COMP SCI 6004 Computer Systems	2
COMP SCI 6005 Data Structures and Algorithms	2
COMP SCI 6006 Database and Information Systems	2
COMP SCI 6008 Introduction to Software Engineering	2
COMP SCI 6012 Numerical Methods	2
COMP SCI 6015 Programming Paradigms	2

Level III courses:

COMP SCI 6000 Compiler Construction and Project	3
COMP SCI 6001 Computer Architecture	2
COMP SCI 6002 Computer Networks & Applications	2
COMP SCI 6007 Artificial Intelligence	2
COMP SCI 6009 Advanced Programming Paradigms	2
COMP SCI 6010 Knowledge Representation	2
COMP SCI 6011 Numerical Analysis	2
COMP SCI 6013 Open Systems and Client/Server Computing	2
COMP SCI 6014 Operating Systems	2
COMP SCI 6016 Programming Techniques	2
COMP SCI 6018 Systems Analysis and Project	3

Subject to permission from the Head of the Department of Computer Science (or nominee) a student may also undertake a selection of courses from the Specific Academic Program 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 prerequisites prescribed for the course.

Syllabuses

textbooks and reference books

Booklists will be made available by the Department of Computer Science.

examinations

Details of course assessment are made available at the relevant lectures during Orientation Week.

COMP SCI 6003

9492 Computer Science Concepts

3 units summer semester

15 hours per week for 4 weeks

Programming in JAVA: 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, preconditions, loop invariants, termination.

assessment: two-hour written exam, compulsory practical exercises

Note: this course commences in late January

Graduate Diploma in Mathematical Science

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

Note: Postgraduate tuition fees may apply to this program.

Specific Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a program 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.

2 Admission requirements

- 2.1 Except as provided for in 2.2 an applicant for admission to the program of study for the Graduate Diploma shall:
- have qualified for 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 Dean (or nominee) of the School of Mathematical and Computer Sciences.
- 2.2 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.

3 Assessment and examinations

- 3.1 There shall be four classifications of pass in each course 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 course and desires to take the course 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 course or division of a course may not enrol for that course 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 Qualification requirements

- 4.1 To qualify for the Graduate Diploma, a candidate shall satisfactorily complete work to the value of at least 24 units.
- 4.2 The programs of study for the Graduate Diploma in Mathematical Science will consist of courses to the value of at least 20 units chosen from:
- Any Level III course listed in the Handbook by the Departments of the School of Mathematical and Computer Sciences (including Level III courses listed in the School of Mathematical and Computer Sciences ~~entry by the Department of Physics and Mathematical Physics~~).
 - Other courses listed in the Handbook for any Ordinary Degree of the University approved for the purpose by the Dean of Mathematical and Computer Sciences (or nominee) except that courses chosen under this provision shall:
 - not comprise more than one third of the requirements for the Graduate Diploma without the explicit approval of the Faculty.
 - Be chosen in consultation with the Dean of Mathematical and Computer Sciences (or nominee).
 - Courses listed in 8 for the degree of Master of Mathematical Science.

4.3 Project option

This option may comprise up to 4 units 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:

APP MTH 6001 Applied Mathematics Diploma Project A	4
APP MTH 6010 Applied Mathematics Diploma Project B	2
PHYSICS 6002 Mathematical Physics Diploma Project A	4
PHYSICS 6003 Mathematical Physics Diploma Project B	2
PURE MTH 6000 Pure Mathematics Diploma Project B	2
PURE MTH 6007 Pure Mathematics Diploma Project A	4
STATS 6012 Statistics Diploma Project A	4
STATS 6013 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 courses offered by the School of Mathematical and Computer Sciences (ie 8 units).

The School of Mathematical and Computer Sciences offers the Graduate Diploma in Mathematical Science as a full-time or part-time program 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 courses offered preferably in the December of the year preceding their enrolment.

The program is normally one year of full-time study or two years part-time. The Graduate Diploma requires a satisfactory performance in approved courses totalling 24 units. Provision is made in the schedules for candidates to remedy deficiencies in preparation through inclusion of courses at level II. Up to 4 units 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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees may apply to this program.

Specific Academic Program Rules

1 General

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).

2 Duration of program

To qualify for the degree a candidate shall satisfactorily complete a program of study extending over either one year if taken full-time or not less than two and not more than five years if taken part-time.

3 Admission

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

- (a) a person who has qualified in the Adelaide University 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 Adelaide University 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.

3.2 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.

3.3 Preliminary work

3.3.1 A person whose qualifications have been accepted under either 3.1(b) or 3.1(c) shall be deemed to have satisfied the requirements of this Rule.

3.3.2 Before being admitted either under 3.1(a) or 3.2 a person shall complete the requirements of this schedule by undertaking, and satisfying the examiners in, such programs 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.

4 Assessment and examination

Review of academic progress

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.

5 Qualification requirements

5.1 To qualify for the degree a candidate shall:

- (a) on completion of any preliminary work which may be prescribed in the Specific Academic Program Rules and after consultation with the Dean (or nominee) of the School of Mathematical and Computer Sciences, submit in writing, for approval by the Faculty, a program of advanced study and project work as prescribed in the Specific Academic Program 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 program of advanced study as may be required by the Faculty *and*
- (d) present a satisfactory dissertation on the candidate's project.

5.2 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.

5.3 Unacceptable combinations of courses

A candidate may not count a course or closely related course or part of a course already presented for another degree or diploma.

5.4 Program of study

A candidate for the degree shall complete satisfactorily a total of at least 24 units. The program of study and project work shall consist of:

(a) One project option chosen from the following list:

APP MTH 7005 Applied Mathematics Communications Project D	8
APP MTH 7009 Applied Mathematics Communications Project C	6
APP MTH 7027 Applied Mathematics Communications Project B	4
APP MTH 7037 Applied Mathematics Communications Project A	2
APP MTH 7038 Applied Mathematics Communications Project E	10
ELEC ENG 7009A/B Electrical and Electronic Communications Project A	2
ELEC ENG 7040A/B Electrical and Electronic Communications Project B	4
ELEC ENG 7041A/B Electrical and Electronic Communications Project C	6
ELEC ENG 7042A/B Electrical and Electronic Communications Project D	8
ELEC ENG 7043A/B Electrical and Electronic Communications Project E	10
PURE MTH 7013 Pure Mathematics Communications Project D	8

PURE MTH 7017 Pure Mathematics Communications Project E	10
PURE MTH 7025 Pure Mathematics Communications Project B	4
PURE MTH 7026 Pure Mathematics Communications Project C	6
PURE MTH 7035 Pure Mathematics Communications Project A	2

Note: candidates should consult the Department in which they intend to do their project about the choice of a suitable supervisor.

(b) Graduate courses and seminars which may be chosen from the following list of courses in the Communications area. All candidates must satisfactorily complete a minimum of 7 courses. Each course represents one twelfth of the requirements for the degree:

(i) Compulsory course

APP MTH 7039 Masters Seminar (Telecommunications)	2
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(ii) Group A courses

APP MTH 7012 Communication Network Design	2
APP MTH 7014 Teletraffic Models	2
APP MTH 7043 Transform Methods and Signal Processing	2
PURE MTH 7005 Masters Topic in Communications	2
PURE MTH 7041 Mathematical Coding and Cryptology	2

(iii) Group B courses - offered by the Department of Electrical and Electronic Engineering and whose availability may vary from year to year:

ELEC EN 5013 Advanced Signal Processing	1
ELEC EN 5015 Broadband & ATM Networks	1
ELEC EN 5016 Optical Communications	1
ELEC EN 5017 Real Time Systems	1
ELEC EN 5018 Signal Processing B	1
ELEC EN 5019 Signal Processing A	1
ELEC EN 5020 Distributed Systems and Multimedia Communications	1

(iv) Group C courses - Electronic Engineering, University of South Australia:

Communications System Theory	2
Digital Transmission	2
Error Control Coding	2
Mobile Communications	2
Network Protocols	2
Optical Communications (UniSA)	2

Satellite Communications	2
Speech Processing	2

Students wishing to enrol in courses 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's enrolment procedures

- (c) other relevant courses 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.

Candidates may choose from courses 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.

Syllabuses

textbooks

Information on appropriate textbooks will be provided by the relevant department and at the preliminary lecture in Orientation Week.

examinations

For each course students may obtain from the department concerned details of the examination in that course 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 courses which are offered by departments may vary slightly from year to year. Details of which courses 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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees may apply to this program.

Specific Academic Program Rules

1 General

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.

2 Duration of program

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 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 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 Admission

- 3.1 The Faculty may accept as a candidate for the degree any person who has completed one of the following at Adelaide University:

Graduate Diploma in Computer Science

A bachelor degree that includes a major in Computer Science.

- 3.2 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 3.1 above.
- 3.3 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 3.1, but who has given

evidence satisfactory to the Faculty of fitness to undertake work for the degree.

4 Assessment and examination

Review of academic progress

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 Qualification requirements

- 5.1 To qualify for the degree a candidate shall:

- (a) satisfy examiners in courses of study as prescribed in the Specific Academic Program Rules
- (b) comply with conditions as prescribed in the Specific Academic Program Rules *and*
- (c) present a satisfactory written report and seminar on a supervised project on a course approved by the Department of Computer Science.

5.2 Academic Program

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 courses will be available in that year, in which semester they will be taught and their precise content

- 5.2.1 A candidate for the degree shall complete satisfactorily a total of at least 48 units.
- 5.2.2 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 courses offered by the Department of Computer Science at the Honours or Masters level. Other courses may be included, subject to the approval of the Head of the Department. Courses which may be offered by the Department of Computer Science are:

COMP SCI 7000 Advanced Database B	2.5	COMP SCI 7047 Advanced Database C	2.5
COMP SCI 7004 Advanced Operating Systems A	2.5	COMP SCI 7048 Advanced Numerical Analysis B	2.5
COMP SCI 7005 Advanced Artificial Intelligence D	2.5	COMP SCI 7050 Parallel Computation	2.5
COMP SCI 7006 Programming Techniques (M.Comp.Sc.)	2.5	COMP SCI 7053 Advanced Operating Systems C	2.5
COMP SCI 7007 Advanced Software Engineering B	2.5	COMP SCI 7054 Advanced Software Engineering A	2.5
COMP SCI 7008 Advanced Numerical Analysis D	2.5	COMP SCI 7055 Numerical Analysis (M.Comp.Sc.)	2.5
COMP SCI 7009 Advanced Artificial Intelligence B	2.5	COMP SCI 7059 Artificial Intelligence (M.Comp.Sc.)	2.5
COMP SCI 7010 Advanced Database A	2.5	COMP SCI 7064 Operating Systems (M.Comp.Sc.)	2.5
COMP SCI 7012 Advanced Computer Architecture C	2.5	COMP SCI 7072 Advanced Numerical Analysis C	2.5
COMP SCI 7014 Advanced Database D	2.5	<i>University of South Australia subjects:</i>	
COMP SCI 7015 Software Engineering and Project (M.Comp.Sc.)	2.5	COMP SCI 7003 University of South Australia Subject C	2.5
COMP SCI 7016 Advanced Artificial Intelligence C	2.5	COMP SCI 7032 University of South Australia Subject D	2.5
COMP SCI 7017 Systems Analysis (M.Comp.Sc.)	2.5	COMP SCI 7067 University of South Australia Subject E	2.5
COMP SCI 7018 Advanced Programming Languages C	2.5	COMP SCI 7069 University of South Australia Subject B	2.5
COMP SCI 7021 Advanced Programming Languages D	2.5	COMP SCI 7070 University of South Australia Subject A	2.5
COMP SCI 7022 Advanced Artificial Intelligence A	2.5	COMP SCI 7071 University of South Australia Subject F	2.0
COMP SCI 7023 Advanced Software Engineering C	2.5	<i>Flinders University subjects:</i>	
COMP SCI 7024 Relational Programming	2.5	COMP SCI 7002 Flinders University Subject A	2.5
COMP SCI 7026 Computer Architecture (M.Comp.Sc.)	2.5	COMP SCI 7046 Flinders University Subject D	2.5
COMP SCI 7028 Advanced Computer Architecture B	2.5	COMP SCI 7051 Flinders University Subject E	2.5
COMP SCI 7030 Advanced Numerical Analysis A	2.5	COMP SCI 7057 Flinders University Subject C	2.5
COMP SCI 7031 Advanced Programming Paradigms (M.Comp.Sc.)	2.5	COMP SCI 7068 Flinders University Subject B	2.5
COMP SCI 7033 Advanced Computer Architecture D	2.5	COMP SCI 7073 Flinders University Subject F	2.5
COMP SCI 7034 Advanced Computer Architecture A	2.5	5.2.3 A candidate shall also satisfactorily undertake and complete at least five Masters Project courses, under the guidance of a supervisor, and provide a public seminar and written report on the investigation. The Masters Project courses are:	
COMP SCI 7035 Advanced Programming Languages B	2.5	COMP SCI 7011 Master Project B	2.5
COMP SCI 7036 Advanced Software Engineering D	2.5	COMP SCI 7013 Master Project E	2.5
COMP SCI 7037 Advanced Programming Languages A	2.5	COMP SCI 7019 Master Project C	2.5
COMP SCI 7039 Computer Networks (M.Comp.Sc.)	2.5	COMP SCI 7025 Master Project D	2.5
COMP SCI 7040 Advanced Programming Languages E	2.5	COMP SCI 7052 Master Project H	2.5
COMP SCI 7041 Compiler Construction and Project (M.Comp.Sc.)	2.5	COMP SCI 7056 Master Project A	2.5
COMP SCI 7044 Advanced Operating Systems B	2.5	COMP SCI 7060 Master Project F	2.5
COMP SCI 7045 Advanced Operating Systems D	2.5	COMP SCI 7063 Master Project G	2.5
		5.2.4 In the case of a candidate with an Honours degree in Computer Science, the number of units required for the award of the Master's degree may be reduced, subject to permission of the Faculty.	

Syllabuses

Prospective students should consult the Department early in the year in which the program is being offered to obtain advice as to the specific content of the program. The field of study of the project can also be determined at that time.

Master of Information Technology

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

Note: Postgraduate tuition fees may apply to this program.

Specific Academic Program Rules

1 Duration of program

A candidate shall:

- (a) complete any additional compulsory work as the Faculty may determine
- (b) except with the permission of the Faculty, the work for the degree shall be completed:
 - (i) in the case of a full-time candidate, not less than one year
 - (ii) in the case of a part-time candidate, not less than one and a half years.

2 Admission

- 2.1 The Faculty may accept as a candidate for the degree any person who has completed one of the following at Adelaide University:
Graduate Certificate in Computer Science
Graduate Diploma in Computer Science
Bachelor degree that includes a major in Computer Science.
- 2.2 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 2.1 above.
- 2.3 Subject to the approval of Council, the Faculty may, in special cases accept as a candidate for the degree a person who does not hold the qualifications specified in 2.1 or 2.2.
- 2.4 A candidate admitted under 2.3 above will be required to undertake such additional compulsory work as the Faculty may determine. This additional work will not exceed 12 units of study and may be taken concurrently with the Masters study.
- 2.5 Admission to the program of study for the degree of Master of Information Technology will be based on a combination of results in university studies, other achievements, and the outcome of an interview.

2.6 Credit transfer

A candidate who has passed courses in this or other educational institutions and who has not presented these courses towards any award may, on written application to the Faculty, be granted such exemption from the requirements of these rules as the Faculty shall determine. Status may be granted for a maximum of 9 units under 4.2.2 of the Specific Academic Program Rules.

3 Assessment and examinations

- 3.1 No material presented for any other degree within this or any other institution shall be submitted.
- 3.2 There shall be four classifications of Pass in each course for the degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 3.3 If a course has a Conceded Pass classification for the purpose of another award any such course passed with this classification shall not count towards the requirements for the degree.
- 3.4 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.
- 3.5 A candidate who fails in a course, and desires to take the course 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.
- 3.6 A candidate who has twice failed in any course may not enrol for that course again except by special permission of the Faculty and then only under such conditions as may be prescribed.
- 3.7 **Review of academic progress**
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 and the candidate shall cease to be enrolled for the degree.

4 Qualification requirements

- 4.1 To qualify for the degree a candidate shall:
- (i) satisfactorily complete any additional compulsory work which may be prescribed *and*
 - (ii) satisfy examiners in courses of study prescribed in these rules.

4.2 Course of study and project work

- 4.2.1 The program consists of 36 units of study which shall normally extend over one and a half years of full-time study, and consists of two components:
- (a) Computer Science courses and
 - (b) Management courses
- 4.2.2 To qualify for the degree a candidate shall satisfactorily complete a program of study comprising coursework courses as follows:
- (a) at least 20 units selected from
 - (i) courses listed in Specific Academic Program Rule 5.2 of the Master of Computer Science *and*
 - (ii) non-project based courses listed in Specific Academic Program Rule 5.5 of the Master of Software Engineering;
 - (b) the balance made up of any of the following:
 - (i) Information Technology related courses as offered at Level IV, Level V, Honours and postgraduate courses drawn from the School of Engineering, and the School of Mathematical and Computer Sciences. Students must have the appropriate prerequisites for the courses selected
 - (ii) Management courses selected from those offered by the Graduate School of Management as approved by the Head of Department
 - (iii) other courses to the value of up to 6 units may be included subject to the approval of the Head of Department.
- 4.2.3 A candidate may not count towards the degree a course or closely related course or part of a course that has already been presented for another degree or diploma.
- 4.2.4 To complete a program of study in a course a candidate shall, unless exempted by the Head of the Department offering the course:
- (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 course may prescribe.

- 4.2.5 Each candidate's program of study must be approved by the Dean (or nominee) at enrolment each year.

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 courses that are to be offered in that year.

Notes:

- 1 not all electives will necessarily be offered in any one year
- 2 students may be interviewed to assess their suitability for course choices.

Master of Mathematical Science

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

Note: Postgraduate tuition fees may apply to this program.

Specific Academic Program Rules

1 General

- 1.1 The Faculty shall appoint one or more supervisors to guide a candidate's work.
- 1.2 A candidate may not count a course or closely related course or part of a course already presented for another degree or diploma.
- 1.3 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.

2 Duration of program

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 Admission

- 3.1 The following may be accepted as a candidate for the degree:
- (a) a person who has qualified in the Adelaide University 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 Adelaide University 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.

- 3.2 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 3.1 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

3.3 Preliminary work

- 3.3.1 A person whose qualifications have been accepted under 3.1(a) shall be deemed to have satisfied the requirements of this schedule.
- 3.3.2 A candidate admitted under either 3.1(b) or 3.2 shall complete the requirements of this Rule by undertaking, and satisfying the examiners in, such programs 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.

4 Enrolment

Review of academic progress

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.

5 Qualification requirements

- 5.1 To qualify for the degree a candidate shall:
- (a) pass such examination on the candidate's program of advanced study as may be required by the Faculty and
- (b) present a satisfactory dissertation on the candidate's project.

5.2 Project work

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.

5.3 Academic Program

5.3.1 The program of study and project work to the value of at least 24 units shall consist of:

- (a) supervised project work consisting of one of the following:

APP MTH 7007 Masters Applied Mathematics Minor Project	5.0
APP MTH 7034 Masters Applied Mathematics Major Project	7.5
PHYSICS 7022 Masters Mathematical Physics Major Project	7.5
PHYSICS 7023 Masters Mathematical Physics Minor Project	5.0
PURE MTH 7008 Masters Pure Mathematics Minor Project	5.0
PURE MTH 7029 Masters Pure Mathematics Major Project	7.5
STATS 7001 Masters Statistics Minor Project	5.0
STATS 7005 Masters Statistics Major Project	7.5
- (b) a seminar presentation consisting of one of the following:

APP MTH 7010 Masters Seminar (Applied)	1.5
PURE MTH 7039 Masters Seminar (Pure)	1.5
STATS 7007 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 courses will be available in that year, which semester they will be taught and their precise content

- (c) courses chosen from the following list

Applied Mathematics

APP MTH 7000 Applied Mathematics Honours Topic D	2.5
APP MTH 7001 Teletraffic Models (Masters)	2.5
APP MTH 7002 Financial Derivatives	2.5
APP MTH 7006 Variational Methods for PDEs	2.5

APP MTH 7011 Transform Methods and Signal Processing (Masters)	2.5
APP MTH 7013 Systems of Queues	2.5
APP MTH 7015 Modelling and Analysis of Computer Networks	2.5
APP MTH 7016 Mathematical Methods (Masters)	2.5
APP MTH 7017 Continuum Mechanics	2.5
APP MTH 7018 Aerodynamics	2.5
APP MTH 7019 Stochastic Differential Equations	2.5
APP MTH 7020 Advanced Hydrodynamics	2.5
APP MTH 7022 Combinatorial Optimisation	2.5
APP MTH 7024 Networks of Queues	2.5
APP MTH 7025 Martingales	2.5
APP MTH 7026 Communication Network Design (Masters)	2.5
APP MTH 7028 Finite Difference Methods for PDEs	2.5
APP MTH 7029 Mathematical Economics (Masters)	2.5
APP MTH 7030 Chaos and Fractals	2.5
APP MTH 7032 Tidal Models	2.5
APP MTH 7036 Stochastic Processes	2.5
APP MTH 7040 Asymptotic Approximations	2.5
APP MTH 7041 Boundary Value Problems	2.5
APP MTH 7044 Applied Mathematics Honours Topic C	2.5
APP MTH 7045 Applied Mathematics Honours Topic B	2.5
APP MTH 7046 Foundations of Financial Economics	2.5
APP MTH 7047 Applied Mathematics Honours Topic F	2.5
APP MTH 7048 Applied Mathematics Honours Topic A	2.5
APP MTH 7049 Applied Mathematics Honours Topic E	2.5
MECH ENG 4009 Robotics	2.5

Mathematical Physics

PHYSICS 7004 Advanced Electromagnetism	2.5
PHYSICS 7006 Cosmology	2.5
PHYSICS 7008 Gauge Theory	2.5
PHYSICS 7009 General Relativity	2.5
PHYSICS 7014 Relativistic Quantum Mechanics and Particle Physics	2.5

PHYSICS 7015 Statistical Mechanics/ Many-Body Theory	2.5	STATS 7017 Statistical Software (Masters)	2.5
PHYSICS 7024 Topics in Mathematical Physics A	2.5	STATS 7018 Regression Diagnostics	2.5
PHYSICS 7025 Topics in Mathematical Physics B	2.5	STATS 7019 Advanced Inference	2.5
<i>Pure Mathematics</i>		STATS 7020 National Markets Statistics	2.5
PURE MTH 7000 Analysis 1	2.5	(d) Other courses offered by the Adelaide University or other tertiary institutions in South Australia which are accepted by the Faculty as being equivalent to those listed above.	
PURE MTH 7001 Set Theory	2.5	(e) Students may present other relevant courses or work, to the value of at most five units, as may be approved by the School of Mathematical and Computer Sciences.	
PURE MTH 7002 Pure Mathematics Honours Topic B	2.5		
PURE MTH 7003 Geometry 1	2.5		
PURE MTH 7004 Number Theory 1	2.5		
PURE MTH 7006 Coding Theory	2.5		
PURE MTH 7010 Algebra 3	2.5		
PURE MTH 7012 Problem Solving	2.5		
PURE MTH 7018 History of Mathematics (Masters)	2.5	5.3.2 The availability of all courses in any year is conditional on there being adequate staffing levels.	
PURE MTH 7019 Algebra 2	2.5		
PURE MTH 7020 Analysis & Signal Processing	2.5		
PURE MTH 7021 Algebra 1	2.5		
PURE MTH 7023 Pure Mathematics Honours Topic D	2.5		
PURE MTH 7024 Geometry 2	2.5		
PURE MTH 7028 Topology	2.5		
PURE MTH 7030 Analysis 3	2.5		
PURE MTH 7032 Analysis 2	2.5		
PURE MTH 7033 Galois Theory	2.5		
PURE MTH 7034 Advanced Convexity	2.5		
PURE MTH 7038 Pure Mathematics Honours Topic A	2.5		
PURE MTH 7042 Number Theory 2	2.5		
PURE MTH 7045 Measure Theory	2.5		
PURE MTH 7046 Geometry 3	2.5		
PURE MTH 7047 Pure Mathematics Honours Topic C	2.5		
<i>Statistics</i>			
STATS 7000 Advanced Medical Statistics	2.5		
STATS 7003 Advanced Nonparametric Statistics	2.5		
STATS 7004 Statistics Honours Topic A	2.5		
STATS 7006 Analysis of Repeated Measures	2.5		
STATS 7008 Statistics Honours Topic D	2.5		
STATS 7011 Advanced Experimental Design	2.5		
STATS 7014 Statistics Honours Topic B	2.5		
STATS 7015 Advanced Multivariate Methods	2.5		
STATS 7016 Statistics Honours Topic C	2.5		

Syllabuses

Prospective students should consult the Department early in the year in which the program is being offered to obtain advice as to the specific content of the program. 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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees may apply to this program.

Specific Academic Program Rules

1 General

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).

2 Duration of program

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 Admission

3.1 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 Adelaide University, or for an equivalent degree of another tertiary institution accepted for the purpose by the University.

3.2 Graduates with Honours in other areas of Engineering, or in related scientific areas, may be accepted at the discretion of the Faculty.

3.3 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 3.1 or 3.2 but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.

4 Assessment and examination

4.1 Review of academic progress

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.

5 Qualification requirements

5.1 To qualify for the degree a candidate shall:

- comply with conditions as prescribed in the Specific Academic Program Rules and
- pass such examinations on the candidate's program of advanced study as may be required by the Faculty.

5.2 Unacceptable combinations of courses

Except as provided in 5.3.3, a candidate may not count towards the degree a course or closely related course or part of a course that has already been presented for another degree or diploma.

5.3 Academic Program

5.3.1 A candidate for the degree shall regularly attend lectures and tutorials, do such written and practical work as may be prescribed, and satisfactorily complete courses to the value of at least 36 units as defined in 5.3.2.

5.3.2 The program of study to the value of at least 36 units shall consist of:

- courses to the value of at least 20 units selected from:

APP MTH 7023 Satellite Communications	2
ELEC ENG 7000 Multisensor Data Fusion	2
ELEC ENG 7015 Adaptive Signal Processing	2
ELEC ENG 7017 Beamforming and Array Processing	2
MATHS 7001 Information Theory	2
MATHS 7002 Kalman Filtering and Tracking	2

MATHS 7003 Error Control Coding	2
MATHS 7004 Mobile Communications	2
MATHS 7007 Image Processing	2
MATHS 7009 Speech Processing	2
MATHS 7011 Signal Processing Applications	2
MATHS 7012 Detection, Estimation and Classification	2
MATHS 7013 Introduction to Discrete Linear Systems	2
MATHS 7015 Signal Synthesis and Analysis	2
MATHS 7017 Specialised Studies A	2
MATHS 7018 Specialised Studies B	2
MATHS 7019 Specialised Studies C	2
MATHS 7020 Specialised Studies D	2
PURE MTH 7041 Mathematical Coding and Cryptology	2

Specialised Studies may consist of directed readings or approved short courses as approved by the Faculty. The content and assessment of these courses will be determined in each case by the academic coordinator of the course in consultation with the student's supervisor and the student.

- (ii) Honours and other relevant courses offered by the Adelaide University 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 course:
MATHS 7008 Mathematical Signal and 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 courses will be available in that year, which semester they will be taught and their precise content

- 5.3.3 Students with significant previous experience and involvement with projects may apply to the Faculty for permission to replace the 4-unit project in 5.3.2 (iii) with courses to the value of no more than 4 units chosen from the following:
- | | |
|---|---|
| MATHS 7006 Directed Reading & Seminar Major | 4 |
| MATHS 7016 Directed Reading & Seminar Minor and the course not already taken from 5.3.2 (i) | 2 |
- 5.3.4 Students who are required to undertake preliminary work will normally enrol in one of the following courses:
- | | |
|---|----|
| MATHS 7010A/B Qualifying Studies in Mathematics (Full-time) | 12 |
| MATHS 7021A/B Qualifying Studies in Mathematics (Part-time) | 12 |

On satisfactory completion of this work the student will proceed to study as outlined in 5.3.1 above.

- 5.3.5 The School of Mathematical and Computer Sciences may grant status of up to 12 units 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 Adelaide University, or within an equivalent degree of another tertiary institution. These candidates will still need to present a minimum of 24 units towards the Master of Mathematical Sciences (Signal and Information Processing) that have not been presented for any other degree.
- 5.3.6 Candidates who are granted exemption from one or more of the courses listed in 5.3.2 (i) on the basis of previous studies may select in their place other relevant courses offered by the Adelaide University or other tertiary institutions in South Australia as may be approved by the School of Mathematical and Computer Sciences.
- 5.3.7 The availability of all courses is conditional on there being adequate staffing and resources.

Syllabuses

Prospective students should consult the program coordinator early in the year in which the program is being offered regarding the content of the specific courses that are to be offered in that year.

textbooks

Information on appropriate textbooks will be provided by the course coordinator at the commencement of each course.

examinations

For each course students may obtain from the course coordinator details of the examination in that course 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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: Postgraduate tuition fees may apply to this program.

Specific Academic Program Rules

1 Duration of program

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.

2 Admission

- 2.1 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.
- 2.2 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.
- 2.3 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.

- 2.4 A person seeking enrolment as a candidate for the degree shall apply to the Faculty 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 Adelaide University, 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.

3 Assessment and examinations

- 3.1 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.
- 3.2 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.
- 3.3 On completion of the work a 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.
- 3.4 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.

3.5 Review of academic progress

A candidate's progress shall be reviewed annually by the Faculty.

4 Qualification requirements

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

- (a) a candidate shall submit a thesis upon an approved course and shall adduce sufficient evidence that the thesis is his/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/her candidature
- (b) a candidate shall pursue a program of advanced study comprising one-third coursework* and two-thirds research and shall submit a thesis describing the results of this research. The thesis while subject to the same conditions as those applying under option (a), would normally be of a less substantial character.

* This represents courses to the value of 8 units per year for full-time candidates or equivalent part-time.

5 Courses of study

Courses listed in the Specific Academic Program Rules of Master's degrees in the School of Mathematical and Computer Sciences and deemed suitable for the degree by the Dean of Mathematical and Computer Sciences (or nominee).

Notwithstanding the above, the availability of all courses is conditional on the availability of staff and facilities and sufficient enrolments.

Medical School

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Please refer to the Graduate Studies section (see Contents) for Academic Program Rules

Postgraduate awards in the Medical School

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Graduate Certificate in Human Anatomy
Graduate Certificate in Nursing Science
Graduate Certificate in Occupational Health and Safety Management
Graduate Certificate in Public Health
Graduate Diploma in Alcohol and Drug Studies
Graduate Diploma in General Practice Palliative Care
Graduate Diploma in General Practice Psychotherapy
Graduate Diploma in Nursing Science
Graduate Diploma in Occupational Health and Safety Management
Graduate Diploma in Psychotherapy
Graduate Diploma in Public Health
Graduate Diploma in Surgical Nursing
Master of Alcohol and Drug Studies
Master of Clinical Science
Master of Medical Science
Master of Nursing Science
Master of Occupational Health and Safety
Master of Psychology(Clinical)
Master of Public Health
Master of Surgery
Doctor of Nursing

Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General Academic program Rules to the Convenor of the Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific Academic program 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 School also offers a Doctor of Medicine (M.D.) governed by its own sets of Rules as printed in this volume of the Handbook.

Graduate Certificate in Bereavement and Palliative Care Counselling

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

Note: this program is under review

Specific Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one year of part-time study.

2 Admission

2.1 An applicant for admission to the program 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.

2.2 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.

2.3 Status, exemption and credit transfer

2.3.1 A candidate normally would not be granted status for any course which he or she has completed for another award.

2.3.2 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

3 Assessment and examinations

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

3.2 (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.

4 Qualification requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete the following courses:

4.1 Program of study

GEN PRAC 5001HO Issues in Death and Dying	2
GEN PRAC 5002HO Supervised Field Education	2
GEN PRAC 5003HO Bereavement	2
GEN PRAC 5004AHO/BHO Counselling Theory, Skills and Practice	6

4.2 No candidate will be permitted to count for the Graduate Certificate any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

GEN PRAC 5001HO **Issues in Death and Dying (3864)**

2 units trimester 2

22 hours

This course 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, assignments

persona of the counsellor, anxiety management and relaxation strategies, working with families.

assessment: group participation, coursework, assignments

GEN PRAC 5002HO **Supervised Field Education (6038)**

2 units 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 program.

assessment: group participation, course work, field education reports

GEN PRAC 5003HO **Bereavement (6205)**

2 units trimester 1

This course 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

GEN PRAC 5004HO **Counselling Theory, Skills and Practice (2313)**

6 units full year

66 hours

This course 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

Graduate Certificate in Human Anatomy

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

Specific Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete one year of part-time study.

2 Admission

2.1 An applicant for admission to the program 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.

2.2 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.

2.3 Status, exemption and credit transfer

2.3.1 A candidate normally would not be granted status for any course which he or she has completed for another award.

2.3.2 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned

3 Assessment and examination

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

- 3.2 (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.

4 Qualification requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete the following course:

4.1 Program of study

ANAT SC 5000A/B Human Anatomy
Graduate Certificate

12

4.2 No candidate will be permitted to count for the Graduate Certificate any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

Syllabus

ANAT SC 5000A/B

Human Anatomy for Graduate Certificate (2139)

12 units 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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 General

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 Duration of program

To qualify for the Graduate Certificate shall satisfactorily complete a program of study comprising one semester of full time study or not more than one year of part time study.

3 Admission

3.1 An applicant for admission to the program 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.

3.2 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 program.

3.3 Status, exemption and credit transfer

- 3.3.1 No candidate shall be granted status for courses with a total value of more than 6 units on account of courses presented for any other award.
- 3.3.2 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

4 Assessment and examinations

- 4.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 4.2 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.
- 4.3 A candidate who fails a course twice may be subject to a Review of Academic progress.

5 Qualification requirements

To qualify for the Graduate Certificate a candidate shall successfully complete a specialisation set of courses, listed below, to the value of 12 units:

5.1 Academic program

<i>Apheresis Nursing</i>	
CLIN NUR 5101HO Apheresis Nursing I	6
CLIN NUR 5102HO Apheresis Nursing II	6
<i>Hyperbaric Nursing</i>	
CLIN NUR 6116HO Hyperbaric Nursing I	6
CLIN NUR 5103HO Hyperbaric Nursing II	6
<i>Infection Control</i>	
CLIN NUR 6117HO Infection Control Nursing	6
CLIN NUR 5104HO Microbiology and Epidemiology	6

Retrieval Nursing

CLIN NUR 5105HO Principles and Practices
of Retrieval Nursing 6

CLIN NUR 5106HO Trauma Nursing 6

Stomal Therapy

CLIN NUR 6121HO Stomal Therapy 6

CLIN NUR 6122HO Wound Management 6

Trauma

CLIN NUR 5107HO Trauma Management I 6

CLIN NUR 5108HO Trauma Management II 6

5.2 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

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

CLIN NUR 5101HO **Apheresis Nursing I (9704)**

6 units semester 1

flexible learning mode

This course will examine nursing and medical science underpinning therapeutic and donor aphaeresis. 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 course will be studied by the flexible learning mode.

assessment: 2000 word mid term assignment 20%, tutorial presentation (equiv. to 2000 words) 20%, 3500 word essay or case report 40%. Students must pass each component of course

CLIN NUR 5102HO **Apheresis Nursing II (3966)**

6 units semester 2

flexible learning mode

This course 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, validation of procedures and processes, legal and professional issues.

assessment: 2000 word mid term assignment 25%, tutorial presentation (equiv. to 2000 words) 25%, 3500 word essay or case report 50%. Students must pass each component of course

CLIN NUR 5103HO **Hyperbaric Nursing II (3647)**

6 units semester 2

flexible learning mode

This course 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 (equiv. to 2000 words, submitted in tape format with briefing paper 25%, 3500 word essay 50%

CLIN NUR 5104HO **Microbiology and Epidemiology (1313)**

6 units semester 2

flexible learning mode

This course 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: 3000 word study portfolio 40%, 2500 word essay 20%, course workbook 20%, review 1500 words 20%. Students must pass each course component

CLIN NUR 5105HO **Principles and Practices of Retrieval Nursing (1305)**

6 units semester 1

13 x three-hour lectures plus a minimum of 5 retrievals

This course 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 min.) 35%, case presentation and briefing paper (equiv. to 2000 words) 25%, clinical skills Pass/fail. Students must pass each component

CLIN NUR 5106HO **Trauma Nursing (5122)**

6 units semester 2

13 x three-hour lectures plus 150 hours of supervised field experience.

This course 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 min.) 35%, case presentation and briefing paper (equiv. to approx 2000 words) 25%, clinical skills Pass/fail. Students must pass each component

CLIN NUR 5107HO**Trauma Management I (1456)**

6 units semester 1

3 five-day study blocks for lectures, workshops and practicing clinical skills.

This course 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 min. practical 35%, case presentation and briefing paper (equiv. to approx 2000 words) 25%, Clinical skills Pass/fail. Students must pass each component

CLIN NUR 5108HO**Trauma Management II (7593)**

6 units semester 2

3 five-day study blocks for lectures, workshops and practicing clinical skills.

This course 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 min.) 35%, case presentation and briefing paper (equiv. to approx 2000 words) 25%, clinical skills Pass/Fail. Students must pass each component

CLIN NUR 6116HO**Hyperbaric Nursing I (3240)**

6 units semester 1

36 hours across semester, supervised field experience

This course 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 (equiv. to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%

CLIN NUR 6117HO**Infection Control Nursing (7469)**

6 units semester 1

2 hours per week for 13 weeks plus field visits

This course will examine nursing and medical science in relation to the control of infection. Topics 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 (equiv. to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%. Students must pass each component

CLIN NUR 6121HO**Stomal Therapy (6389)**

6 units semester 1

36 hours across semester plus supervised field experience.

This course 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 (equiv. to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%. Students must pass each component of course

CLIN NUR 6122HO**Wound Management (5521)**

6 units semester 1 or 2

40 hours delivered as five study days

This course 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 (equiv. to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%. Students must pass each component

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 Adelaide University and the University of South Australia.

There is a Management Committee comprising two academic representatives from each university and a student representing each program in the joint postgraduate venture. 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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Note: the program is offered only on a part-time basis and may attract tuition fees.

Specific Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete a program of part-time study extending over at least two semesters, and except with the special permission of the Faculty, complete the program in not more than four semesters of part-time study.

2 Admission

2.1 An applicant for admission to the program 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.

2.2 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.

2.3 Status, exemption and credit transfer

2.3.1 A candidate normally would not be granted status for any course which he or she has completed for another award

2.3.2 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the

required work in the course to the satisfaction of the teaching staff concerned

2.3.3 Consideration will be given to granting status to students who have partially completed equivalent programs interstate, up to a maximum of two courses. 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 Adelaide University.

2.3.4 In exceptional cases, status will be granted for one course to students who have undertaken relevant study at a TAFE institution.

2.4 Articulation with other awards

2.4.1 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.

2.4.2 Candidates wishing to progress to the Graduate Diploma in Occupational Health and Safety Management must have satisfactorily completed the four compulsory courses with a grade of at least Pass Division 1.

3 Assessment and examination

3.1 There shall be four classifications of pass in any course 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 course.

- 3.2** (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.

4 Qualification requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete the following courses.

4.1 Program of study

PUB HLTH 7105HO Diseases of Occupation*	3
PUB HLTH 7130HO Occupational Hygiene and Ergonomics G*	3
PUB HLTH 7131HO Occupational Safety & Statistics **	3
PUB HLTH 71032HO OHS Management & Law I G **	3

* Offered by Adelaide University

** Offered by the University of South Australia

- 4.2** No candidate will be permitted to count for the Graduate Certificate any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

Syllabuses

See Master of Occupational Health and Safety for syllabus details

Graduate Certificate in Public Health

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

Specific Academic Program Rules

1 Duration of Program

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

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Certificate 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.

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 Graduate Certificate.

2.3 Status, exemption and credit transfer

- 2.3.1 Except with special permission of the Head of the Department of Public Health, no candidate will be granted status for the core course in the Graduate Certificate.
- 2.3.2 No candidate shall be granted status for any elective course.
- 2.3.3 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Head of Department, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

- 2.4.1 Students who complete this academic program are eligible to apply for entry to the Graduate Diploma in Public Health, and be granted status for the work they have undertaken in the Graduate Certificate.
- 2.4.2 Students who have conferred upon them the award of Graduate Certificate in Public Health who subsequently satisfy the requirements of the Graduate Diploma must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the Master of Public Health or the Graduate Diploma in Public Health 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.

3 Assessment and examinations

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

- 3.2 (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.

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

4 Qualification requirements

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

4.1 Core Courses

All candidates shall complete the following course:

PUB HLTH 7100HO Foundations of Public Health 3

4.2 Elective Courses

All candidates shall complete elective courses to the value of 9 units selected from the following:

DENT 7150HO Dental Public Health 3

PUB HLTH 7130HO Occupational Hygiene
and Ergonomics 3

PUB HLTH 7101HO Introduction to Epidemiology
and Biostatistics 3

PUB HLTH 7102HO Public Health Policy 3

PUB HLTH 7104HO Biostatistics	3
PUB HLTH 7105HO Diseases of Occupation	3
PUB HLTH 7106HO Epidemiological Research Methods	3
PUB HLTH 7107HO Epidemiology of Infectious Diseases	3
PUB HLTH 7108HO Ethical Issues in Public Health	3
PUB HLTH 7109HO Health Promotion	3
PUB HLTH 7110HO Health Resource Allocation	3
PUB HLTH 7111HO Industrial Toxicology	3
PUB HLTH 7113HO Intro to Environmental and Occupational Health	3
PUB HLTH 7114HO National Short Course in Environmental Health	3
PUB HLTH 7115HO Public Health Law	3
PUB HLTH 7116HO Public Health Nutrition	3
PUB HLTH 7117HO Public Health Policy and Ageing	3
PUB HLTH 7118HO Public Health Studies	3
PUB HLTH 7121HO Diseases of Public Health Importance	3
PUB HLTH 7122HO Rural Public Health	3
PUB HLTH 7123HO Health Program Evaluation	3

other courses offered by this University or other universities which the Faculty approves for presentation in lieu of elective courses listed above up to the value of 3 units.

Syllabuses

See Master of Public Health for syllabus details

4.3 Candidates who wish to enrol in a course 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 course as may be deemed appropriate by the Head of the Department of Public Health.

4.4 No candidate will be permitted to count for the Graduate Certificate any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award.

Graduate Diploma in Alcohol and Drug Studies

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

Note: This programs is only offered in the external mode.

Specific Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a program of part-time study extending over at least two years.

2 Admission

2.1 An applicant for admission to the program 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.

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 the Graduate Diploma a person who does not qualify for admission to the program 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.

3 Enrolment

The program is offered by distance education. Students can enrol in either January or July.

4 Assessment and examinations

4.1 There shall be four classes of pass in each course for the Graduate Diploma: pass with High Distinction, pass with Distinction, pass with Credit and Pass.

4.2 (a) A candidate who fails to pass in a course and desires to take the course 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 course or division of a course may not enrol for the course 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 course for at least 5 teaching weeks, shall be deemed to have failed the examination for the course concerned.

5 Qualification requirements

Unless exempted therefrom by the Faculty every candidate for the Graduate Diploma in Alcohol and Drug Studies shall satisfactorily complete the following courses to the value of 24 units, in the sequence determined by the prerequisite course requirements specified in the syllabuses.

5.1 Academic program

PHARM 7001 Principles of Drug Action	4
PHARM 7002 Aetiology of Drug Problems	4
PHARM 7003 Treatment Principles and Practice I	4
PHARM 7004 Treatment Principles and Practice II	4
PHARM 7005 Public Health Principles & Drug Use	4
PHARM 7006 Practicum and Project	4

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

PHARM 7001

Principles of Drug Action (3320)

4 units

8 x 3 hours of lectures

This course 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

PHARM 7002

Aetiology of Drug Problems (9903)

4 units trimester 1, 2 or 3

8 x 3 hours of lectures

This course 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

PHARM 7006

Practicum and Project (2234)

4 units

4 weeks practical work

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

PHARM 7003

Treatment Principles and Practice I (2606)

4 units

8 x 3 hours of lectures

This course 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

PHARM 7004

Treatment Principles and Practice II (2595)

4 units

8 x 3 hours of lectures

This course 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

PHARM 7005

Public Health Principles and Drug Use (8718)

4 units

8 x 3 hours of lectures

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

Graduate Diploma in Nursing Science

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

Specific Academic Program Rules

1 General

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 Duration of program

To qualify for the Graduate Diploma shall satisfactorily complete a program of study comprising one year of full time study or not more than two years of part time study.

3 Admission

- 3.1 An applicant for admission to the program 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.

- 3.2 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 program.

3.3 Status, exemption and credit transfer

- 3.3.1 No candidate, normally, will be granted status in any of the core courses.
- 3.3.2 No candidate shall be granted status for courses with a total value of more than 12 units on account of courses presented for any other award.
- 3.3.3 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Executive Dean of Faculty, again complete the required work in the course to the satisfaction of the teaching staff concerned.

4 Assessment and Examinations

- 4.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 4.2 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.
- 4.3 A candidate who fails a course twice may be subject to a Review of Academic Progress.

5 Qualification requirements

To qualify for the Graduate Diploma a candidate shall successfully complete the following:

5.1 academic program

- 5.1.1 Core courses, listed below, to the value of 8 units:
- | | |
|--|---|
| CLIN NURS 6101HO Developing Advanced Practice in Health Systems I | 4 |
| CLIN NURS 6102HO Developing Advanced Practice in Health Systems II | 4 |

5.1.2	A specialisation set of courses, listed below, to the value of 16 units:		
	<i>Anaesthetic Nursing</i>		
	CLIN NURS 6104HO Nursing & Medical Science in Anaesth & Recovery I	4	
	CLIN NURS 6105HO Nursing & Medical Science in Anaesth & Recovery II	4	
	CLIN NURS 6171HO Anaesthetic Nursing I	4	
	CLIN NURS 6172 HO Anaesthetic Nursing II	4	
	<i>Anaesthetic and Recovery Nursing</i>		
	CLIN NURS 6104HO Nursing & Medical Science in Anaesth & Recovery I	4	
	CLIN NURS 6105HO Nursing & Medical Science in Anaesth & Recovery II	4	
	CLIN NURS 6171HO Anaesthetic Nursing I	4	
	CLIN NURS 6174HO Recovery Nursing II	4	
	<i>Cardiac Nursing</i>		
	CLIN NURS 6108HO Cardiac Nursing I	4	
	CLIN NURS 6109HO Cardiac Nursing II	4	
	CLIN NURS 6110HO Nursing & Medical Science in Cardiac Nursing I	4	
	CLIN NURS 6111HO Nursing & Medical Science in Cardiac Nursing II	4	
	<i>Clinical Nursing</i>		
	CLIN NURS 6112HO Advanced Nursing Skills for Activities of Living	4	
	CLIN NURS 6113HO Cardiac Monitoring	4	
	CLIN NURS 6114HO Diabetes Education	4	
	CLIN NURS 6115HO Grief and Bereavement	4	
	CLIN NURS 6116HO Hyperbaric Nursing I	6	
	CLIN NURS 6117HO Infection Control Nursing	6	
	CLIN NURS 6118HO Management of Incontinence	6	
	CLIN NURS 6119HO Mental Health Care in Acute Settings	4	
	CLIN NURS 6120HO Rehabilitation Nursing	6	
	CLIN NURS 6121HO Stomal Therapy	6	
	CLIN NURS 6122HO Wound Management	6	
	and such other courses that might be approved by the Faculty		
	<i>Community Psychiatric Nursing</i>		
	CLIN NURS 6123HO Advances in Community Psychiatric Care	4	
	CLIN NURS 6124HO Community Psychiatric Nursing I	4	
	CLIN NURS 6125HO Community Psychiatric Nursing II	4	
	CLIN NURS 6126HO Reflective Practice in Primary Health Care for Mental Health	4	
	<i>District Nursing</i>		
	CLIN NURS 6167HO Contemporary Issues in District Nursing		
	CLIN NURS 6168HO Population Profiling in Chronic Illness		
	CLIN NURS 6169HO District Nursing A		
	CLIN NURS 6170HO District Nursing B		
	<i>Emergency Nursing</i>		
	CLIN NURS 6127HO Emergency Nursing I	4	
	CLIN NURS 6128HO Emergency Nursing II	4	
	CLIN NURS 6129HO Nursing & Medical Science in Emergency Nursing	14	
	CLIN NURS 6130HO Nursing & Medical Science in Emergency Nursing II	4	
	<i>General Practice Nursing</i>		
	CLIN NURS 6131 HO Emergency Care in General Practice	4	
	CLIN NURS 6132 HO General Practice Nursing I	2	
	CLIN NURS 6133 HO Health Assessment	3	
	CLIN NURS 6134HO Nursing and Medical Science in Primary Health Care	4	
	CLIN NURS 6135HO Pathology and Pharmacology in General Practice	3	
	<i>Gerontological Nursing</i>		
	CLIN NURS 6136HO Contemporary Issues in Aged Care	4	
	CLIN NURS 6137HO Functional Assessment	4	
	CLIN NURS 6138HO Gerontological Nursing	4	
	CLIN NURS 6139HO Palliative Nursing in Aged Care	4	
	<i>High Dependency Nursing</i>		
	CLIN NURS 6140HO High Dependency Nursing I	4	
	CLIN NURS 6141HO High Dependency Nursing II	4	
	CLIN NURS 6142HO Nursing & Medical Science in High Dependency Nursing I	4	
	CLIN NURS 6143HO Nursing & Medical Science in High Dependency Nursing II	4	
	<i>Intensive Care Nursing</i>		
	CLIN NURS 6144HO Intensive Care Nursing I	4	
	CLIN NURS 6145HO Intensive Care Nursing II	4	
	CLIN NURS 6146HO Nursing & Medical Science in Intensive Care I	4	
	CLIN NURS 6147HO Nursing & Medical Science in Intensive Care II	4	

<i>Medical Nursing</i>	
CLIN NURS 6148HO Medical Nursing I	4
CLIN NURS 6149HO Medical Nursing II	4
CLIN NURS6150HO Nursing & Medical Science in Acute Care I	4
CLIN NURS 6151HO Nursing & Medical Science in Internal Medicine	4
<i>Oncology Nursing</i>	
CLIN NURS 6152HO Nursing & Medical Science in Oncology Nursing I	4
CLIN NURS 6153HO Nursing & Medical Science in Oncology Nursing II	4
CLIN NURS 6154HO Oncology Nursing I	4
CLIN NURS 6155HO Oncology Nursing II	4
<i>Orthopaedic Nursing</i>	
CLIN NURS 6150HO Nursing & Medical Science in Acute Care I	4
CLIN NURS 6156HO Nursing and Medical Science in Orthopaedics	4
CLIN NURS 6157HO Orthopaedic Nursing I	4
CLIN NURS 6158HO Orthopaedic Nursing II	4
<i>Peri-operative Nursing</i>	
CLIN NURS 6159HO Nursing & Medical Science in Peri-Operative Nurs I	4
CLIN NURS 6160HO Nursing & Medical Science in Peri-Operative Nurs II	4
CLIN NURS 6161HO Peri-Operative Nursing I	4
CLIN NURS 6162HO Peri-Operative Nursing II	4
<i>Public Health Nursing</i>	
CLIN NURS 6163HO Contemporary Issues in Public Health Nursing	4
PUB HLTH 7100HO Foundations of Public Health	3
PUB HLTH 7101HO Introduction to Epidemiology and Biostatistics	3
PUB HLTH 7109HO Health Promotion	3
and one elective course from the following list:	
PUB HLTH 7110HO Health Resource Allocation	3
PUB HLTH 7113HO Intro to Environmental and Occupational Health	3
PUB HLTH 7115HO Public Health Law	3
PUB HLTH 7116HO Public Health Nutrition	3
PUB HLTH 7117HO Public Health Policy and Ageing	3
PUB HLTH 7118HO Public Health Studies	3

<i>Recovery Nursing</i>	
CLIN NURS 6104HO Nursing & Medical Science in Anaesth & Recovery I	4
CLIN NURS 6105HO Nursing & Medical Science in Anaesth & Recovery II	4
CLIN NURS 6173HO Recovery Nursing I	4
CLIN NURS 6174HO Recovery Nursing II	4

<i>Surgical Nursing</i>	
CLIN NURS 6150HO Nursing & Medical Science in Acute Care I	4
CLIN NURS 6164HO Nursing and Medical Science in Surgical Care	4
CLIN NURS 6165HO Surgical Nursing 1	4
CLIN NURS 6166HO Surgical Nursing 11	4

- 5.1.3 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 qualify for the Graduate Diploma by successfully completing:
- the core courses listed in 5.1 above to the value of 8 units
 - the four unit course 3859 Focused Reading in Clinical Nursing

5.2 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

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

CLIN NUR 6101HO

Developing Advanced Practice in Health Systems I (5054)

4 unit semester 1 and 2

2 hours per week/flexible learning mode

This course 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: 3000 word essay 60% essay 40%, 4 class presentations 40%

CLIN NUR 6102HO

Developing Advanced Practice in Health Systems II (3706)

4 units semester 1 and 22

2 hours per week/flexible learning mode

This course 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 clinical effectiveness, clinical practice development, clinical audit and health informatics, reflective processes, the research process, and theory building.

assessment: clinical audit 60%, 2000 word essay on health informatics 40%

CLIN NUR 6103HO

Focused reading in Clinical Nursing (3859)

4 units semester 1 and 2

2 hour lecture/flexible learning mode

individual supervision by appointed supervisor

This course 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%

CLIN NUR 6104HO

Nursing and Medical Science in Anaesth & Recovery I (8919)

4 units semester 1

3 hours per week for 13 weeks

This course will build on the clinical and core courses in the specialty of Anaesthetic and Recovery Nursing. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: 25000 word evidence based practice essay or equiv. 50%, 2 hour exam 50%. Students must pass each component

CLIN NUR 6105HO

Nursing & Medical Science in Anaesth & Recovery II (9394)

4 units semester 2

3 hours per week for 13 weeks

This course will build on Nursing and Medical Science in Anaesthetic Nursing I and the other specialty Anaesthetic and Recovery Nursing courses. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: 2500 word equiv. class presentation & briefing paper 50%, 2 hour exam 50%. Students must pass each component

CLIN NUR 6108HO

Cardiac Nursing I (1485)

4 units semester 1

2 hours per week as required for workshops, 300 hours clinical practice

This course 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 exam (30 min.) 50%, competency assessment Pass/fail. Students must pass each component

CLIN NUR 6109HO

Cardiac Nursing II (5009)

4 units semester 2

2 hours per week as required for workshops, 300 hours clinical practice

This course 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 exam (30 min.) 50%, competency assessment Pass/fail. Students must pass each component of course

CLIN NUR 6110HO
Nursing & Medical Science in Cardiac Nursing I (4057)

4 units semester 1

3 hours per week for 13 weeks

This course will build on the clinical and core courses in the specialty of cardiac nursing. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: tutorial presentations, briefing paper equiv. to 2500 words 50%, 2 hour exam 50%. Students must pass each component

CLIN NUR 6111HO
Nursing & Medical Science in Cardiac Nursing II (9486)

4 units semester 2

3 hours per week for 13 weeks

This course will build on Nursing and Medical Science in Cardiac Nursing I and the other specialty cardiac courses. 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

CLIN NUR 6112HO
Advanced Nursing Skills for Activities of Living (5485)

4 units semester 1 or 2

40 hours delivered as five study days

This course is designed to have students make a serious review of what they have designated as "basic nursing care". The course 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

CLIN NUR 6113HO
Cardiac Monitoring (9191)

4 units semester 1 or 2

2 hours per week

This course 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: 1500 word case study 30%, viva voce (30 min.) 50%, workbook equiv. to 1000 words 20%. Students must pass each component

CLIN NUR 6114HO
Diabetes Education (9557)

4 units semester 1 or 2

32 hours

This course 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

CLIN NUR 6115HO
Grief and Bereavement (5046)

4 units semester 1 or 2

40 hours delivered as five study days

This course 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

CLIN NUR 6116HO
Hyperbaric Nursing I (3240)

6 units semester 1 or 2

4 hours per week; field placements

This course 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 (equiv. to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%. Students must pass each component

CLIN NUR 6117HO**Infection Control Nursing (7469)**

6 units semester 1 or 2

2 hours per week; field visits

This course 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 (equiv. to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%. Students must pass each component

CLIN NUR 6118HO**Management of Incontinence (2946)**

6 units semester 1 or 2

40 hours delivered as five study days

This course 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 (equiv. to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%. Students must pass each component

CLIN NUR 6119HO**Mental Health Care in Acute Settings (8399)**

4 units semester 1 or 2

40 hours delivered as five study days

This course 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 course

CLIN NUR 6120HO**Rehabilitation Nursing (8552)**

6 units semester 1 or 2

48 hours delivered as six study days

This course 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 (equiv. to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%. Students must pass each component of course

CLIN NUR 6121HO**Stomal Therapy (6389)**

6 units semester 1 or 2

4 hours per week, plus field placements

This course 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 (equiv. to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%. Students must pass each component

CLIN NUR 6122HO**Wound Management (5521)**

6 units semester 1 or 2

40 hours delivered as five study days

This course 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 (equiv. to 1500 words) 20%, 3000 word essay 40%, 1 hour exam 20%. Students must pass each component

CLIN NUR 6123HO**Advances in Community Psychiatric Care (7352)**

4 units semester 1

2 hours per week

This course 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

CLIN NUR 6124HO

Community Psychiatric Nursing I (1562)

4 units semester 1

2 hours per week; 200 hours clinical practice

This course 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

CLIN NUR 6125HO

Community Psychiatric Nursing II (3140)

4 units semester 2

2 hours per week, 200 hours clinical practice

This course 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

CLIN NUR 6126HO

Reflective Practice in Primary Health Care (1723)

4 units semester 1

3 hours per week

This course 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%

CLIN NUR 6127HO

Emergency Nursing I (3571)

4 units semester 1

2 hours per week as required for workshops; 300 hours clinical practice

This course 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

CLIN NUR 6128HO

Emergency Nursing II (8219)

4 units semester 2

2 hours per week as required for workshops, 300 hours clinical practice

This course 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 250-word tutorials and presentation (or equiv.) 50%, 30 minute viva voce exam 50%, competency assessment Pass/fail. Students must pass each component

CLIN NUR 6129HO

Nursing & Medical Science in Emergency Care I (1566)

4 units semester 1

3 hours per week

This course will build on the clinical and core courses in the speciality 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

CLIN NUR 6130HO

Nursing & Medical Science in Emergency Care II (7214)

4 units semester 2

3 hours per week

This course will build on Nursing and Medical Science in Emergency Nursing I and the other specialty emergency courses. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: 1250 word (or equiv.) tutorial papers 25%, 250 word (or equiv.) tutorial presentations 25%, 2 hour exam 50%. Students must pass each component

CLIN NUR 6131HO

Emergency Care in General Practice (9175)

2 units semester 2

2 hours per week as required for workshops/flexible learning mode plus 300 hours clinical practice

This course 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

CLIN NUR 6132HO

General Practice Nursing I (3929)

4 units semester 1

2 hours per week as required for workshops/Flexible learning mode plus; 300 hours clinical practice.

This course 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%

CLIN NUR 6133HO

Health Assessment (9282)

3 units semester 1

2 hours per week/Flexible learning mode

Taking a holistic approach, this course 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

CLIN NUR 6134HO

Nursing and Medical Science in Primary Health Care (1203)

4 units semester 1

3 hours per week/Flexible learning mode

This course focuses 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%

CLIN NUR 6135HO

Pathology and Pharmacology in General Practice (4264)

3 units semester 2

3 hours per week/Flexible learning mode

This course 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 course

CLIN NUR 6136HO

Contemporary Issues In Aged Care (8638)

4 units semester 1 or 2

2 hours per week or equivalent/Flexible learning mode

This course 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. Courses will be directly related to the management and administration of a nursing service for elderly people in Australia.

assessment: 2000 word essay activity portfolio 40%, 3000 word essay 60%

CLIN NUR 6137HO

Functional Assessment (9887)

4 units semester 1 or 2

39 hours of tutorials/Flexible learning mode

This course 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: 2000 word activity portfolio 40%, 3500 word essay 60%

CLIN NUR 6138HO

Gerontological Nursing (2401)

4 units semester 1 or 2

2 hours per week or equiv., plus 200 hours of clinical practice/flexible learning mode

This course examines the ageing process and uses the knowledge gained from understanding the ageing process to advance clinical skill acquisition based on theoretical frameworks of care through field based learning within the area of Gerontological Nursing

assessment: 2000 word activity portfolio 40%, 3500 word essay 60%

CLIN NUR 6139HO

Palliative Nursing in Aged Care (5924)

4 units semester 1 or 2

2 hours per week as required for workshops or equivalent/flexible learning mode

This course focuses on the special needs of the elderly at the end of life and will examine the role of the nurse in aged care providing palliative services. The course combines contemporary knowledge

with field based learning within the area of Palliative Care Nursing in Aged Care. Topics covered include pain assessment and management, symptom control, support processes, spiritual issues, complementary therapies, loss, grief and bereavement and ethical issues.

assessment: 2000 word activity portfolio 40%, 3500 word essay 60%

CLIN NUR 6140HO **High Dependency Nursing I (6189)**

4 units semester 1 or 2

2 hours per week; 300 hours clinical practice

This course 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 essay 50%, 30 min. viva voce exam 50%, competency assessment Pass/fail. Students must pass each component of the assessment.

CLIN NUR 6141HO **High Dependency Nursing II (5311)**

4 units semester 1 or 2

2 hours per week, 300 hours clinical practice/flexible learning mode

This course 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 course

CLIN NUR 6142HO **Nursing & Medi Science in High Dep Nursing I (3036)**

4 units semester 1 or 2

3 hours per week - flexible learning mode

This course will build on the clinical courses 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

CLIN NUR 6143HO **Nursing & Medi Science in High Dep Nursing II (5790)**

4 units semester 1 or 2

3 hours per week - flexible learning mode

This course will build on the clinical courses 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

CLIN NUR 6144HO **Intensive Care Nursing I (5036)**

4 units semester 1

2 hours per week as required for workshops, 300 hours clinical practice

This course 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

CLIN NUR 6145HO **Intensive Care Nursing II (7060)**

4 units semester 2

2 hours per week as required for workshops; 300 hours clinical practice

This course 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

CLIN NUR 6146HO **Nursing & Medical Science in Intensive Care I (1340)**

4 units semester 1

3 hours per week

This course will build on the clinical and core courses in the specialty of Intensive Care nursing. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: 1250 word work book completion (or equiv.) Pass/fail, 1250 word tutorial presentations (or equiv.) 40%, 2 hour exam 60%. Students must pass each component

CLIN NUR 6147HO**Nursing & Medical Science in Intensive Care II (3883)**

4 units semester 2

3 hours per week

This course will build on Nursing and Medical Science in Intensive Care I and the other specialty Intensive Care courses. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: 1250 word work book completion (or equiv.) Pass/fail, 1250 word tutorial presentations (or equiv.) 40%, 2 hour exam 60%. Students must pass each component

CLIN NUR 6148HO**Medical Nursing 1 (8230)**

4 units semester 1

2 hours per week

This course 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

CLIN NUR 6149HO**Medical Nursing 11 (5247)**

4 units semester 2

2 hours per week

This course 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

CLIN NUR 6150HO**Nursing and Medical Science in Acute Care I (5348)**

4 units semester 1

3 hours per week

This course 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: 2500 word essay 50%, 2 hour Exam 50%. Students must pass each component

CLIN NUR 6151HO**Nursing and Medical Science in Internal Medicine (4031)**

4 units semester 2

3 hours per week

This course will build on Nursing and Medical Science in Acute Nursing I and the other specialty courses. 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

CLIN NUR 6152HO**Nursing & Medical Science in Oncology Nursing I (4649)**

4 units semester 1

3 hours per week

This course will build on the clinical and core courses in the specialty of Oncology Nursing. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: 1000 word tutorial presentation and briefing paper (or equiv.) 25%, 2 hour exam 50%, 2000 word essay 25%. Students must pass each component

CLIN NUR 6153HO**Nursing & Medical Science in Oncology Nursing II (5753)**

4 units semester 2

3 hours per week

This course will build on Nursing and Medical Science in Oncology Nursing I and the other specialty courses. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: 1000 word tutorial presentation and briefing paper (or equiv.) 25%, 2 hour exam 50%, 2000 word essay 25%. Students must pass each component

CLIN NUR 6154HO**Oncology Nursing I (4867)**

4 units semester 1

2 hours per week as required for workshops, 300 hours clinical practice

This course 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 essay 50%, 30 min. viva voce exam 50%, competency assessment Pass/fail. Students must pass each component

CLIN NUR 6155HO
Oncology Nursing II (7805)

4 units semester 2

2 hours per week as required for workshops,

300 hours clinical practice

This course 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

CLIN NUR 6156HO
Nursing and Medical Science in Orthopaedics (3986)

4 units semester 2

3 hours per week

This course will build on Nursing and Medical Science in Acute Nursing I and the other specialty courses. 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 course

CLIN NUR 6157HO
Orthopaedic Nursing I (7331)

4 units semester 1

2 hours per week

This course 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 equiv. to 2500 words 50%, 30 min viva voce exam 50%, competency assessment Pass/fail. Students must pass each component

CLIN NUR 6158HO
Orthopaedic Nursing II (3704)

4 units semester 2

2 hours per week

This course will build on the student's previous learning in Orthopaedic 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 Orthopaedic Nursing.

assessment: case study and presentation equiv. to 2500 words 50%, 30 min viva voce exam 50%, competency assessment Pass/fail. Students must pass each component

CLIN NUR 6159HO
Nursing & Medical Science in Peri-Operative Nursing I (6270)

4 units semester 1

3 hours per week

This course will build on the clinical and core courses in the specialty of Peri-Operative Nursing. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: 2500 word evidence based practice essay 50%, 2 hour exam 50%. Students must pass each component

CLIN NUR 6160HO
Nursing & Medical Science in Peri-Operative Nursing II (1043)

4 units semester 2

3 hours per week

This course will build on Nursing and Medical Science in Peri-Operative Nursing I and the other specialty Peri-Operative Nursing courses. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: class presentation and briefing paper 50%, 2 hour exam 50%. Students must pass each component

CLIN NUR 6161HO
Peri-Operative Nursing I (4601)

4 units semester 1

2 hours per week as required for workshops, 300 hours clinical practice.

This course 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

CLIN NUR 6162HO
Peri-Operative Nursing II (5665)

4 units semester 2

2 hours per week as required for workshops, 300 hours clinical practice.

This course 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 course

CLIN NUR 6163HO

Contemporary Issues in Public Health Nursing (3868)

4 units semester 1 or 2

2 hours per week

This course 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: health promotion proposal and viva 50%, 3000 word essay 50%

CLIN NUR 6164HO

Nursing and Medical Science in Surgical Care (6434)

4 units semester 2

3 hours per week

This course will build on Nursing and Medical Science in Acute Care and the other specialty courses. 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

CLIN NUR 6165HO

Surgical Nursing I (8176)

4 units semester 1

2 hours per week

This course 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

CLIN NUR 6166HO

Surgical Nursing II (9690)

4 units semester 2

2 hours per week

This course 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 course

CLIN NURS 6167HO

Contemporary Issues in District Nursing

4 units semester 1 or 2

Flexible learning mode

This course will focus on issues in District Nursing, Primary Health and New Public Health. The specific objectives are for students to understand primary health care philosophies underpinning practice; understand the socio-political environments in which care is delivered; and further develop 'transferable' management and communication skills

assessment: incremental portfolio (5000 words) 100%

CLIN NURS 6168HO

Population Profiling in Chronic Illness

4 units semester 1 or 2

Flexible learning mode

This course will require students to apply the skill and knowledge gained from the previous courses in order to fulfil the following objectives: to be able to profile populations and establish need; and to have the ability to create supportive environments and strengthen 'community' action in order for individuals/families/communities to respond and help determine their own health status.

assessment: 2500 word need analysis report 50%, 2500 word project proposal 50%

CLIN NURS 6169HO

District Nursing A

4 units semester 1 or 2

Flexible learning plus 300 hours clinical practice

This course will predominately consist of field based learning. Students will be expected to develop expertise based on current research evidence and reflective practice. Students will be expected to develop literature searching and critical evaluation skills. Students will be able to select two of the following topics; **health promotion; continence management; wound management;** and an elective.

assessment: 2500 word literature review 50%, 2500 word case study 50%

CLIN NURS 6170HO

District Nursing B

4 units semester 1 or 2

Flexible learning plus 300 hours clinical practice

The specific objectives are for students to: develop and aspect of care based on current research evidence; acquire literature searching critical evaluation skills using systematic procedures; and further develop 'transferable' management and communication

skills. Students will be able to select two of the following topics: principles of management within the context of community/primary care; palliative care, diabetes; HIV/AIDS; disabilities; and aged care.

assessment: 2500 word literature review 50%, 2500 word case study 50%

CLIN NUR 6171HO
Anaesthetic Nursing I (5671)

4 units semester 1

2 hours per week as required for workshops, 300 hours clinical practice

This course will largely consist of field based learning within an anaesthetic room environment, 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 min.) 50%, competency log book/assessment Pass/Fail. Students must pass each component

CLIN NUR 6172HO
Anaesthetic Nursing II (5984)

4 units semester 2

2 hours per week as required for workshops, 300 hours clinical practice

This course 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 room nursing.

assessment: 2500 word case study presentation 50%, viva voce exam (30 min.) 50%, competency log book/assessment Pass/Fail. Students must pass each component

CLIN NUR 6173HO
Recovery Nursing I (7448)

4 units semester 1

2 hours per week as required for workshops, 300 hours clinical practice

This course will largely consist of field based learning within an recovery room environment, 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 min.) 50%, competency log book/assessment Pass/Fail. Students must pass each component

CLIN NUR 6174HO
Recovery Nursing II (5162)

4 units semester 2

2 hours per week as required for workshops, 300 hours clinical practice

This course will build on student's previous learning in Recovery Nursing I. It will focus on advanced clinical skill acquisition, based on theoretical frameworks of care through field based learning within the area of recovery room nursing.

assessment: 2500 word case study presentation 50%, viva voce exam (30 min.) 50%, competency log book/assessment Pass/Fail. Students must pass each component

PUB HLTH 7100HO
Foundations of Public Health (3891)

3 units semester 2

PUB HLTH 7101HPO
Introduction to Epidemiology and Biostatistics (6287)

3 units semester

See Master of Public Health for syllabus details

PUB HLTH 7109HO
Health Promotion (4672)

3 units

conducted by the Department of Public Health

2 hours per week

This course 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.

PUB HLTH 7113HPO
Introduction to Environmental & Occupational Health (3181)

1.5 units semester 2

See Master of Public Health for syllabus details

Graduate Diploma in Occupational Health and Safety Management

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

Specific Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or no more than two years of part-time study.

2 Admission

2.1 An applicant for admission to the academic program for the Graduate Diploma in Occupational Health and 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.

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 Graduate Diploma

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award other than the Graduate Certificate in Occupational Health and Safety Management (see Rule 2.4 below).

2.3.2 In any case, no candidate will be awarded more than 12 units of status.

2.3.3 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate who has been admitted to the Graduate Certificate in Occupational Health and Safety Management and who has been granted status toward the Graduate Diploma for courses presented for the Graduate Certificate must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

2.4.2 A candidate for the degree of Master of Occupational Health and Safety who satisfies the requirements for the Graduate Diploma but who does not complete the requirements of the Masters degree may be admitted to the Graduate Diploma.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course 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 I in each compulsory course and a Pass Division II in each elective course is required to complete this award.

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.

(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.

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

4 Qualification requirements

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.1 Core courses

All candidates shall complete the following core course, being the requirement for the Graduate Certificate in Occupational Health and Safety Management:

PUB HLTH 7105HO Diseases of Occupation*	3
PUB HLTH 7130HO Occupational Hygiene and Ergonomics G*	3

PUB HLTH 7131HO Occupational Safety and Statistics**	3
PUB HLTH 7132HO OHS Management and Law 1G**	3

4.2 Elective Courses

All candidates shall complete 12 units selected from the following elective courses:

PUB HLTH 7014HO Occupational and Environmental Health Studies	3
PUB HLTH 7114HO National Short Course in Environmental Health*	3
PUB HLTH 7133HO Advanced Ergonomics**	3
PUB HLTH 7134HO Advanced Occupational Hygiene*	3
PUB HLTH 7135HO Advanced OHS Management**	3
PUB HLTH 7136HO Occupational Safety**	3
PUB HLTH 7137HO Occupational Toxicology*	3
PUB HLTH 7138HO OHS Management and Law IIG**	3
PUB HLTH 7139HO OHS Research Methods*** (compulsory for students proceeding to Masters)	3
PUB HLTH 7140HO OHSM Dissertation ***	6
PUB HLTH 7141HO Practical Occupational Health*	3

* offered by Adelaide University

** offered by the University of South Australia

*** offered by either university

- 4.3 No candidate will be permitted to count for the Graduate Diploma any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award.

Syllabuses

PUB HLTH 7140HO OHSM Dissertation (9428)

3 units 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

Please refer to the Master of Occupational Health and Safety for other syllabus details

Graduate Diploma in Public Health

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

Specific Academic Program Rules

1 **Duration of program**

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

2 **Admission**

2.1 An applicant for admission to the program 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.

2.2 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.

2.3 **Status, exemption and credit transfer**

2.3.1 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 courses of the Graduate Diploma.

2.3.2 No candidate shall be granted status for courses with a total value of more than 12 units.

2.3.3 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 **Articulation with other awards**

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.

3 **Assessment and examinations**

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

3.2 (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.

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

4 **Qualification requirements**

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows.

4.1 **Academic program**

4.1.1 **Core course**

All candidates shall complete the following courses:

PUB HLTH 7100HO Foundations of Public Health	3
PUB HLTH 7101HO introduction to Epidemiology and Biostatistics	3
PUB HLTH 7102HO1292 Public Health Policy	3

4.1.2 **Elective courses**

All candidates shall complete elective courses to the value of 12 units selected from the following:

DENT 7150HO Dental Public Health	3
PUB HLTH 70317130HO Occupational Hygiene and Ergonomics	3
PUB HLTH 7104HO Biostatistics	3
PUB HLTH 7105HO Diseases of Occupation	3
PUB HLTH 7106HO Epidemiological Research Methods	3
PUB HLTH 7107HO Epidemiology of Infectious Diseases	3
PUB HLTH 7108HO Ethical Issues in Public Health	3
PUB HLTH 7109HO Health Promotion	3
PUB HLTH 7110HO Health Resource Allocation	3
PUB HLTH 7111HO Industrial Toxicology	3

PUB HLTH 7113HO Intro to Environmental and Occupational Health	3
PUB HLTH 7114HO National Short Course in Environmental Health	3
PUB HLTH 7115HO Public Health Law	3
PUB HLTH 7116HO Public Health Nutrition	3
PUB HLTH 7117HO Public Health Policy and Ageing	3
PUB HLTH 7118HO Public Health Studies	3
PUB HLTH 7121HO Diseases of Public Health Importance	3
PUB HLTH 7122HO Rural Public Health	3
PUB HLTH 7123HO Health Program Evaluation	3

Syllabuses

See Master of Public Health for syllabus details

other courses offered by this University or other University which the Faculty approves for presentation in lieu of elective courses listed above up to the value of 3 units

- 4.2** Candidates who wish to enrol in a course 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 course as may be deemed appropriate by the Head of the Department of Community Medicine.
- 4.3** No candidate will be permitted to count for the Graduate Diploma any course that, in the opinion of the Faculty, contains substantially the same material as any other course which he or she has already presented for another award.

Master of Alcohol and Drug Studies

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

Specific Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising at least three semesters of full-time study or at least three years of part-time study.

2 Admission

- 2.1** An applicant for admission to the academic program for the degree of Master of Alcohol and Drug Studies shall
- have qualified for an Honours 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 to an Honours degree of the University
 - have qualified for the Graduate Diploma in Alcohol and Drug Studies with results of at credit level or higher or
 - have qualified for an Ordinary degree of Adelaide 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' approved professional work experience.
- 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 degree 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 degree.
- 2.3 Status, exemption and credit transfer**
- 2.3.1** Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award other than the Graduate Diploma in Alcohol and Drug Studies (see Rule 2.4 below).
- 2.3.2** Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.
- 2.3.3** In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Alcohol and Drug Studies or equivalent.

- 2.3.4** A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

- 2.4.1** A candidate who has been admitted to the Graduate Diploma in Alcohol and Drug Studies and who subsequently satisfies the requirements for the Master of Alcohol and Drug Studies must surrender the Graduate Diploma in Alcohol and Drug Studies before being admitted to the Master degree.
- 2.4.2** A candidate for the degree of Master of Alcohol and Drug 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 in Alcohol and Drug Studies.

3 Assessment and examinations

- 3.1** There shall be four classifications of pass in any course for the Masters degree: 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
 - For the purpose of this Rule, a candidate who is refused permission to sit for examination shall be deemed to have failed the examination.
- 3.3** A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Faculty and then only under such conditions as may be prescribed.

4 Qualifications requirements

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, as follows:

4.1 Core course

All candidates shall complete the following core courses:

PHARM 7001 Principles of Drug Action	4
PHARM 7002 Aetiology of Drug Problems	4
PHARM 7003 Treatment Principles and Practice I	4
PHARM 7004 Treatment Principles and Practice II	4
PHARM 7005 Public Health Principles & Drug Use	4
PHARM 7006 Practicum and Project	4

4.2 Dissertation

All candidates shall complete either the full-time or a part-time version of the following course:

PHARM 7007 Alcohol and Drug Studies Dissertation (full-time)	12
PHARM 7008 Alcohol and Drug Studies Dissertation (part-time)	12

- 4.3** No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award.
- 4.4** Some periods of residence in Adelaide may be required if academic progress is not satisfactory.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

PHARM 7001

Principles of Drug Action (3320)

4 units

8 x 3 hours of lectures

This course 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

PHARM 7002

Aetiology of Drug Problems (9903)

4 units

8 x 3 hours of lectures

This course 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

PHARM 7003

Treatment Principles and Practice I (2606)

4 units

8 x 3 hours of lectures

This course 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

PHARM 7004

Treatment Principles and Practice II (2595)

4 units

8 x 3 hours of lectures

This course 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

PHARM 7005

Public Health Principles and Drug Use (8718)

4 units

8 x 3 hours of lectures

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

PHARM 7006

Practicum and Project (2234)

4 units

4 weeks practical work

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

PHARM 7007

Alcohol and Drug Studies Dissertation (full-time) (6506)

12 units semester 1 or 2

PHARM 7008

Alcohol and Drug Studies Dissertation (part-time) (6558)

12 units semester 1 and 2

Regular meetings with supervisor/s

prerequisite: completion of M.D.&A. coursework

The student is required to identify a research question or problem and carry out a research project which is either experimentally based or is a case study series. The dissertation should include a

thorough literature review, an appropriate methodology as well as presentation and interpretation of results.

For the international/interstate students the "Dissertation" course will be undertaken in their home country/state under joint supervision of Adelaide and overseas/interstate researchers and academic staff.

Some periods of residence in Adelaide may be required for the "Dissertation" course if academic progress is not satisfactory. Where necessary, the supervisor from the Adelaide University will visit the student and the overseas/interstate supervisor to ensure supervision and research quality. Details will be determined on a case-by-case basis by the Department of Clinical and Experimental Pharmacology.

assessment: dissertation; two examiners required, at least one shall be external to the University

Master of Clinical Science

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

Specific Academic Program Rules

1 Duration of program

A candidate shall 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.

2 Admission

- 2.1** An applicant for admission to the program 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.

3 Assessment and examination

- 3.1** The Faculty will appoint a supervisor to guide the candidate in his or her work.
- 3.2** The candidate shall lodge 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 Academic Program Rules may, on the recommendation of the Faculty, be admitted to the degree of Master of Clinical Science

3.5 Review of academic progress

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.

4 Qualification requirements

To qualify for the degree a candidate shall submit a satisfactory dissertation thereon.

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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of course

- 1.1** 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.
- 1.2** 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.
- 1.4** Except in circumstances approved by the Faculty, the work for the degree shall be completed and the thesis submitted:
- (a) in not less than one year nor more than two years of full-time study
 - (b) in not less than two years and not more than four years of part-time study.

2 Admission requirements

- 2.1** The Faculty of Medicine may accept as a candidate for the degree a person who has qualified for:
- (a) the degrees of Bachelor of Medicine and Bachelor of Surgery of Adelaide University *or*
 - (b) the Honours degree of Bachelor of Medical Science or Bachelor of Health Sciences or Bachelor of Science or Bachelor of Science in Dentistry of Adelaide University, at First or Second Class standard *or*
 - (c) a degree of another institution accepted for the purpose by the University.
- 2.2** 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 2.1 above, if it is satisfied of the person's fitness to undertake work for the degree.

3 Assessment and examination

Review of academic progress

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.

4 Qualification requirements

- 4.1** The Faculty shall appoint one or more supervisors to guide the candidate's research.
- 4.2** On completion of the thesis the candidate shall lodge three copies of the thesis prepared in accordance with directions given to candidates from time to time.
- 4.3** The Faculty shall appoint two examiners of the thesis, at least one of whom shall be external to the University.

Master of Nursing Science

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

Specific Academic Program Rules

1 Duration of program

To qualify for the Master of Nursing Science a candidate shall satisfactorily complete a program of full time study extending over at least two years or a program of part time study extending over at least four years.

2 Admission

- 2.1 An applicant for admission to the program for the Master of Nursing Science shall:
- 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*
 - be registered, or be eligible for registration, as a nurse in South Australia
 - have obtained the approval of the Department of Clinical Nursing.
- 2.2 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 program under (2.1) above, but has given evidence satisfactory to the Faculty of fitness to undertake work for the Master of Nursing Science.

3 Assessment and examinations

- 3.1 There shall be four classes of pass in each course 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 course and desires to take the course 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 course or division of a course may not enrol for the course 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 Qualification requirements

- 4.1 Unless exempted therefrom by the Faculty every candidate for the Master of Nursing Science shall:
- 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 program of study to the value of 24 units, approved by the Department of Clinical Nursing, selected from a range of courses offered by the Department.
 - satisfactorily complete the following Stage II courses to the value of 24 units.

4.2 Academic program

CLIN NUR 7001HO Empirical/Analytical Research in Nursing	3
CLIN NUR 7002HO Interpretative and Critical Research in Nursing	3
CLIN NUR 7003HO international Issues in Nursing Service Delivery	3
CLIN NUR 7004HO The Emergence of a Theoretical Base for Nursing	3
CLIN NUR 7005HO Research Dissertation	12
CLIN NUR 7006HO Research Dissertation (Stage 1)	6
CLIN NUR 7007HO Research Dissertation (Stage 2)	6

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

CLIN NUR 7001HO

Empirical/Analytical Research in Nursing (2500)

3 units semester 1

2 hours per week

This course 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 50%, worksheets 20%

CLIN NUR 7002HO

Interpretative and Critical Research in Nursing (5139)

3 units semester 1

2 hours per week

This course 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%

CLIN NUR 7003HO

International Issues in Nursing Service Delivery (1239)

3 units semester 1

2 hours per week

This course is designed to introduce students to a variety of topical issues related to the health care system and nurses' roles within it, both on a national and international level. The international focus is on western society as it is the changes occurring within these systems that do/will have the most impact on health service delivery in Australia. Many of the issues discussed in this course

are in some way or other connected to the new fiscal realities of today's health arena which means the doctrine of economic rationalism is frequently addressed. Topics include contemporary models in health service delivery, change processes, management issues and a (re) visioning of nursing roles for the future and contemporary approaches in western health systems to professionalism. These issues will provide a focus for discussion and debate about the challenges that, as nurses, students will and must inevitably address in light of the changes outlined above.

assessment: mid-term presentation, assignment 30%, 2000 word essay 70%

CLIN NUR 7004HO

The Emergence of a Theoretical Base for Nursing (5148)

3 units semester 1

2 hours per week

This course 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: class presentation and briefing paper 20%, essay 1000 words 20%, 2500 word written assignment

CLIN NUR 7005HO

Research Dissertation (7293)

12 units 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 above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

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.

2 Admission

2.1 An applicant for admission to the program of study for the degree of Master of Occupational Health & Safety shall

- (a) have qualified for an Honours 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 to an Honours degree of the University
- (b) have qualified for the Graduate Diploma in Occupational Health and Safety Management with a minimum grade of at least Pass Division I in all courses *or*
- (c) have qualified for an Ordinary degree of Adelaide 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' approved relevant practical experience.

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 degree 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 degree.

2.3 Status, exemption and credit transfer

2.3.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any award other than the Graduate Certificate or Graduate Diploma in Occupational Health and Safety Management (see Rule 2.4 below).

2.3.2 Subject to the following clause, no candidate will be awarded more than 12 units of status.

2.3.3 Candidates who have completed the Graduate Diploma in Occupational Health and Safety Management or the Graduate Diploma in Occupational Health and Safety Management formerly offered by the University of South

Australia, the Graduate Diploma in Occupational Health formerly offered by this University, or an equivalent award from another institution, may be granted exemption from all courses (other than the OHS Research Thesis) if in the opinion of the Faculty their studies are equivalent to the admission requirements set out in Rule 2.1 (b).

2.3.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Occupational Health and Safety, 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.

2.4.2 A candidate who has been admitted to the Graduate Diploma in Occupational Health and Safety Management and who subsequently satisfies the requirements for the Master of Occupational Health and Safety must surrender the Graduate Diploma before being admitted to the Master degree.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Masters 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 will be required to obtain an average mark of at least Credit standard in all courses except for the Research Thesis.

- 3.2 (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.

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

4 Qualification requirements

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, as follows:

4.1 Academic program

4.1.1 Core courses

All candidates shall complete the following core courses, being the requirement for the Master of Occupational Health and Safety Management:

PUB HLTH 7105HO Diseases of Occupation*	3
PUB HLTH 7130HO Occupational Hygiene and Ergonomics G*	3
PUB HLTH 7131HO Occupational Safety & Statistics **	3
PUB HLTH 7132HO OHS Management and Law 1G **	3

4.1.2 Elective courses

All candidates shall complete 12 units selected from the following elective courses:

PUB HLTH 7014HO Occupational and Environmental Health Studies	3
PUB HLTH7114HO National Short Course in Environmental Health*	3
PUB HLTH 7133HO Advanced Ergonomics **	3
PUB HLTH 7134HO Advanced Occupational Hygiene*	3
PUB HLTH 7135HO Advanced OHS Management **	3
PUB HLTH 7136HO Occupational Safety**	3
PUB HLTH 7137HO Occupational Toxicology*	3
PUB HLTH 7138HO OHS Management and Law IIG**	3
PUB HLTH 7139HO OHS Research Methods*** (compulsory for students proceeding to Masters)	3
PUB HLTH 7140HO OHSM Dissertation ***	6
PUB HLTH 7141HO Practical Occupational Health*	3

4.1.3 Research Project

All candidates shall complete the following research course:

PUB HLTH 7142HO OHS Research Thesis ***	12
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* offered by Adelaide University

** offered by the University of South Australia

*** offered by either university

- 4.1.4** No candidate will be permitted to count for the degree any course that, in the opinion of the Faculty, contains substantially the same material as any other course that he or she has already presented for another award.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

core courses

PUB HLTH 7105HO

Diseases of Occupation (7510)

3 units semester 1 2

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: written assignment 20%, minor assignments 60%, tutorial participation 20%

PUB HLTH 7130HO

Occupational Hygiene and Ergonomics G (6094)

3 units semester 2

24 lectures, 12 tutorials, worksite visits

This course 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%

PUB HLTH 7131HO

Occupational Safety & Statistics (8316)

3 units semester 2 1

2 lectures, 1 tutorial per week; worksite visit

prerequisite: 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%

PUB HLTH 7132HO

OHS Management and Law IG (8846)

3 units 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%

elective courses

PUB HLTH 7014HO

Occupational and Environmental Health Studies (3215)

3 units semester 1 or 2

Contact hours to be advised

This course is an agreed program of study, negotiated between the student and the MOHS course coordinator. A variety of courses may be considered from the fields of occupational, environmental or public health courses, 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

PUB HLTH 7114HO

National Short Course in Environmental Health (4446)

3 units semester 1

Intensive course held over 10 days in December

The course 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 course 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.

PUB HLTH 7133HO

Advanced Ergonomics (8852)

3 units semester 1 or 2

2 lectures, 1 tutorial per week, worksite visits

prerequisite: 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%

PUB HLTH 7134HO

Advanced Occupational Hygiene (4742)

3 units semester 1 or 2

15 lectures, 10 tutorials, 9 practicals, 5 worksite visits

prerequisite: 6094 Occupational Hygiene and Ergonomics G; 1321 Occupational Health and Hygiene or equivalent

This elective course 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 course includes field visits to illustrate environmental monitoring and control technologies.

assessment: exercises 30%, practicals 20%, written and oral presentation 50%

PUB HLTH 7135HO

Advanced OHS Management (1470)

3 units semester 1 or 2

Lecture, 1 tutorial per week

prerequisite: 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%

PUB HLTH 7136HO

Occupational Safety (1009)

3 units 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 ñ 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%

PUB HLTH 7137HO

Occupational Toxicology (6529)

3 units semester 1 or 2

18 lectures, 8 tutorials

This course 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 assignments, exercises and oral presentation 50%, written exam 50%

PUB HLTH 7138HO

OHS Management and Law IIG (5470)

3 units 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 ñ content and interpretation. Legal relationships in OH&S ñ employer/employee principal/contractor, supplier/purchaser etc. The enforcement pyramid and legal proceedings. OH&S management systems ñ 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%

PUB HLTH 7139HO
OHS Research Methods (8672)

3 units semester 2

Lecture, 1 tutorial per week

restriction: normally available only to students intending to enrol/enrolled in Master of Occupational Health and Safety

This course aims to give an introduction to research methods in OHS, focusing on the application of epidemiology and biostatistics. At the completion of the course 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: written exams 60%, tutorial work 40%

PUB HLTH 7141HO
Practical Occupational Health (1321)

3 units 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% Major assignment 30%, minor assignments 30%, written exam 40%

thesis

PUB HLTH 7142HO
OHS Research Thesis (4676)

12 units 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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

- 1.1 Except with the permission of the Faculty, the courses 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.
- 1.2 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

2 Admission

- 2.1 An applicant for admission to the program of study for the degree of Master of Psychology (Clinical) shall have qualified for an Honours degree of Bachelor, with Honours in Psychology, of Adelaide University or for an Honours degree of another institution accepted for the purpose by the University.
- 2.2 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.
- 2.3 **Status, exemption and credit transfer**
- 2.3.1 The School of Medicine may grant such status for other studies undertaken in the University or other institutions in any course as it may determine up to a maximum of 8 units, provided that any such course has not been presented for another degree.
- 2.3.2 Except by the special permission of the Head of the Department of Psychology, no student may gain status for the course 1681 Research Project in Clinical Psychology for other studies undertaken in the University or other institutions.

3 Assessment and examinations

- 3.1 There shall be one of two systems of classification of pass in individual courses for the Master's degree: either Satisfactory; or Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.
- 3.2 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.
- 3.3 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.
- 3.4 **Review of academic progress**
- 3.4.1 A student who fails a course and desires to take the course again shall again attend lectures and satisfactorily do such written and practical work as the teaching staff concerned may prescribe.
- 3.4.2 A student who has twice failed a course may not enrol for that course 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 course. A student who fails this requirement will not be eligible for examination unless there are extenuating circumstances.
- 3.4.3 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 course is taught, shall be deemed to have failed the course.

3.4.4 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.

4.3.3 Research Project

PSYCHOL 7114 A/B Research Project
in Clinical Psychology R

14

4 Qualification requirements

4.1 Unless exempted therefrom by the Faculty all students will satisfactorily complete Compulsory Courses to the value of 22 units, 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 courses 5881, 6335, 6382, 9645, 9842 and three others, and one placement, during first year. They should also do preliminary work on their research project although they will not enrol formally till second year. During second year they will complete two further coursework courses, two further placements and the research project. Students may wish to consider linking the research project to one of the placements.

4.3 Academic program

Unless exempted therefrom by the Faculty of Medicine, every student for the degree shall satisfactorily complete the following three components:

4.3.1 Coursework courses

All students shall complete the following compulsory courses:

PSYCHOL 7010A/B Adult Clinical Psychology (R)	4
PSYCHOL 7102 Applied Methodology (M) (R)	2
PSYCHOL 7103 Child Clinical Psychology (R)	2
PSYCHOL 7104 Clinical Neuropsychology (R)	2
PSYCHOL 7105 Group Interventions and Preventive Education (R)	2
PSYCHOL 7106 Health Psychology (R)	2
PSYCHOL 7107 Preparation for Psychological Practice (R)	2
PSYCHOL 7109 Psychological and Health Aspects of Ageing (R)	2
PSYCHOL 7110 Rehabilitation and Disabilities (M) (R)	2

4.3.2 Placements

Three placements, as follows:

PSYCHOL 7111 Placement I	4
PSYCHOL 7112 Placement II (M)	4
PSYCHOL 7113 Placement III (M)	4

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

This program has been accredited by the Australian Psychological Society as meeting the requirements for full Membership of the Society, and as also fulfilling the academic prerequisites for Membership of the APS Clinical College. It is also accepted by the SA Psychological Board for the purposes of registration under the Psychological Practices Act in this State. The program comprises of a combination of coursework, supervised professional practice, and a research thesis on a clinically related topic. Further information is provided in the Handbook for this program which can be accessed through the Psychology Department web site: www.psychology.adelaide.edu.au/course_info/studying.html

prerequisites

Except where specified, there are not prerequisites other than those required for entry to the program. A good Honours degree from an accredited undergraduate program in Psychology, or from a program deemed by the Head of Department to be equivalent, is essential. Entry to the program is subject to a quota.

textbooks

Detailed reading lists are provided in the program Handbook, a hard copy of which is available from the Department at enrolment.

assessment

The assessment for each course is given in the specific course entries below.

PSYCHOL 7002A/B

Research Project in Clinical/Health Psychology (1681)

14 units full year

contact hours to be arranged with supervisor

prerequisite: 9842 Applied Methodology; first year of Master of Psychology

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 Academic Program Rule 3 of the Degree.

PSYCHOL 7101

Adult Clinical Psychology (R) (7362)

4 units

3 hour sessions twice weekly, practical work in student's own time.

This course involves a critical approach to psychological intervention methods based upon published evidence concerning efficacy. Students will learn about commonly-used and empirically-based interventions for a wide range of emotions and behavioural programs in adults. They will be involved in developing their therapeutic skills in the implementation of basic cognitive and behavioural strategies.

assessment: three assignments

PSYCHOL 7102

Applied Methodology (R) (7363)

2 units

Summer intensive over 7 days 9:30am – 3:30pm

The course 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: verbal presentation and written research protocol

PSYCHOL 7103

Child Clinical Psychology (R) (7383)

2 units

3 hours session per week

This course aims to provide theoretical knowledge and practical experience in child clinical psychology. The focus is on the assessment, treatment and conceptualization of problems of children and adolescents 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

PSYCHOL 7104

Clinical Neuropsychology (R) (7385)

2 units

3 hour session per week

prerequisite: Psychological Assessment R (PSYCHOL 7011)

This course 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 interest to neuro-psychologists, the behavioural geography of the brain, the notion of deficit measurement. 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 psychomotor skills are assessed. Students will also be introduced to a variety of disorders that are characterised by deficits in these areas of functioning. Case studies will be used to illustrate the deficits associated with these disorders and the 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

PSYCHOL 7105

Group Interventions and Prevention (R) (7400)

2 units

3 hour session per week

This course examines both (a) the delivery of therapeutic interventions to groups of clients, 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, model of attitude change and behavioural influence, educative media campaigns, and the evaluation of all of these.

assessment: group clinical presentation as well as patient simulations

PSYCHOL 7106

Health Psychology (R) (7410)

2 units

3 hour session per week

This course 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 the interactions amongst family members and between health care consumers and healthcare providers. Risk factors for health compromising behaviours are also discussed including strategies for their modification.

assessment: two written papers

PSYCHOL 7107

Preparation for Psychological Practice (R) (7473)

2 units

3 hours per week

This course includes instruction and practice in basic interviewing and counseling 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: simulated patient interviews and presentation

PSYCHOL 7108

Psychological Assessment (R) (7563) (M) (6382)

2 units

3 hours per week

This course aims to introduce students to the principles of assessment by focusing on a small number of widely used norm-references tests of abilities.

assessment: two assignments based on practical exercise

PSYCHOL 7109

Psychological and Health Aspects of Ageing (R) (7652)

2 units

semester 1

3 hours per week

This course examines psychological and health aspects of ageing. It covers normal/healthy ageing as well as providing an overview of research, assessment and intervention strategies in a number of areas of concern to clinical practice. Material is presented within a framework which emphasises the interplay between biological, psychological and social factors on aspects of functioning.

assessment: two assignments

PSYCHOL 7110

Rehabilitation and Disability (R) (7660)

2 units

semester 2

3 hours per week

This course examines the historical development of concepts relevant to rehabilitation such as normalisation, deinstitutionalisation, least restrictive alternatives and quality of life. Research and current issues in this application of these concepts are discussed. Basic assessment, programming, training, behaviour management and evaluation techniques and procedures are introduced together with exercise in their use. Similarities and differences between the rehabilitation of different kinds of disabilities are also examined.

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.

PSYCHOL 7111

Placement 1 (5623)

4 units

18 hours per week

prerequisites: Adult Clinical Psychology R (PSYCHOL 7010A/B), Preparation for Psychological Practice R (PSYCHOL 7008), Psychological Assessment R (PSYCHOL 7011)

Placements are arranged within approved agencies in South Australia, which will reflect the requirements of the SA Psychological Board and the APS College of Clinical Psychologists. Students will be required to gain a board 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 supervisory, student and university placement supervisor

PSYCHOL 7112

Placement II (7221)

PSYCHOL 7113

Placement III (3481)

4 units for each placement

18.5 hours per week for each placement

prerequisites: Preparation for Psychological Practice R (PSYCHOL 7008), Psychological Assessment R (PSYCHOL 7011)

Placements are arranged within approved agencies in South Australia which will reflect the requirements of the SA Psychological Board and the APS College of Clinical Psychologists. 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.

PSYCHOL 7114A/B

Research Project in Clinical/Health Psychology (R) (7722)

14 units full year

contact hours to be arranged with supervisor

prerequisite: 9842 Applied Methodology; first year of Master of Psychology

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 Academic Program Rule 3 of the degree

Master of Public Health

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

Specific Academic Program Rules

1 **Duration of program**

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.

2 **Admission**

2.1 The Faculty of Medicine may accept as a candidate for the degree any person who has qualified for a degree of Adelaide University or of another university.

2.2 Subject to the approval of the Board of Research Education and Development 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 2.1 above if it is satisfied that he or she is likely to be able satisfactorily to undertake work for the degree.

2.3 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.

2.4 **Status, exemption and credit transfer**

2.4.1 Except with special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for any other award (see Rule 2.5 below).

2.4.2 Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.4.3 In any case, no candidate will be awarded more than 12 units of status, except for those candidates who have completed the Graduate Diploma in Public Health.

2.4.4 A candidate who fails a course and wishes to repeat that course shall, unless exempted partially therefrom by the Head of Department concerned, again complete the required work in the course to the satisfaction of the teaching staff concerned.

2.5 **Articulation with other awards**

2.5.1 A candidate for the Master of Public Health who does not complete the requirements for the Master's degree but

satisfies the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

2.5.2 A candidate who has been admitted to the Graduate Diploma in Public Health or the Graduate Certificate in Public Health and who subsequently satisfies the requirements for the Master of Public Health must surrender the Graduate Diploma or Graduate Certificate respectively before being admitted to the Master degree

3 **Assessment and examination**

3.1 There shall be four classifications of pass in any course for the Masters degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

- 3.2
- (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.

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

4 **Qualification requirements**

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, as follows:

4.1 **Academic program**

4.1.1 core courses

All candidates shall complete the following core courses:

PUB HLTH 7100HO Foundations of Public Health	3
PUB HLTH 7101HO Introduction to Epidemiology and Biostatistics	3
PUB HLTH 7102HO Public Health Policy	3

4.1.2 Elective courses

All candidates shall complete 15 units selected from the following elective courses:

DENT 7150HO Dental Public Health	3
PUB HLTH 7031HO Occupational Hygiene and Ergonomics	3
PUB HLTH 7104HO Biostatistics	3
PUB HLTH 7105HO Diseases of Occupation	3
PUB HLTH 7106HO Epidemiological Research Methods	3
PUB HLTH 7107HO Epidemiology of Infectious Diseases	3
PUB HLTH 7108HO Ethical Issues in Public Health	3
PUB HLTH 7109HO Health Promotion	3
PUB HLTH 7110HO Health Resource Allocation	3
PUB HLTH 7111HO Industrial Toxicology	3
PUB HLTH 7113HO Intro to Environmental and Occupational Health	3
PUB HLTH 7114HO National Short Course in Environmental Health	3
PUB HLTH 7115HO Public Health Law	3
PUB HLTH 7116HO Public Health Nutrition	3
PUB HLTH 7117HO Public Health Policy and Ageing	3
PUB HLTH 7118HO Public Health Studies	3
PUB HLTH7121HO Diseases of Public Health Importance	3
PUB HLTH 7122HO Rural Public Health	3
PUB HLTH 7123HO Health Program Evaluation	3

other courses offered by this University or other University which the Faculty approves for presentation in lieu of elective courses listed above up to the value of 3 units

4.1.3 Dissertation

All candidates shall complete either the full-time or the part-time version of the following course:

PUB HLTH 7119HO MPH Dissertation (full-time)	12
PUB HLTH 7120HO MPH Dissertation (part-time)	12

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

courses of study

A candidate is required to complete the six three compulsory courses and four elective courses and the dissertation. The availability of a particular elective course 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 website (<http://www.health.adelaide.edu.au/commedPublicHealth>) for up-to-date information.

textbooks

A reading list of recommended journal articles and textbooks will be issued by the coordinating lecturer for each course and will be available from the Department of Public Health at the beginning of the year.

assessment

For each course of study there will be a formal assessment which may include a written examination or require written work at the conclusion. In addition candidates will be expected to prepare tutorial assignments or papers for presentation.

core courses

PUB HLTH 7100HO

Foundations of Public Health (3891)

3 units summer semester

This course aims to provide students with a basic understanding of the core concepts in public health. There will be an exploration of what is meant by health itself and how the health of a population can be measured. Then the main types and experiences of disease in the Australian population (and elsewhere) will be considered. This will lead to an analysis of the multifactorial causation of ill health and premature death in populations. Then the implications for health and related services will be investigated, with an emphasis on prevention and community participation. No prior specialist knowledge of public health will be assumed.

PUB HLTH 7101HO

Introduction to Epidemiology and Biostatistics (6287)

3 units semester 1

This course deals with epidemiological and statistical concepts and terminology, basic analytic techniques and research designs. It does not aim to train specialist epidemiologists or biostatisticians; instead the purpose is to give 'undifferentiated' public health workers an introduction to these disciplines. Some basic numeracy skills will be required.

By the end of the course students should grasp basic concepts in epidemiology and statistics; have an understanding of quantitative research strategies; begin to critically assess literature in the public health domain which employs epidemiological and statistical methods; understand the uses that are made of epidemiological information in public health; understand the role of epidemiology in surveillance of the health status of populations; and appreciate the use of statistics in making decisions in the face of uncertainty.

PUB HLTH 7102HO

Public Health Policy (1292)

4 units semester 1

This course aims to help students analyse the public health system domain with skills formed by the traditions of sociology, politics and economic history. 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 given 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 a number of case studies of current issues in public health policy.

dissertation

PUB HLTH 7119HO

MPH Dissertation A (1596)

PUB HLTH 7120HO

MPH Dissertation B (part-time) (5842)

12 units

prerequisite: completion of MPH coursework

The dissertation is the final requirement of the MPH and should therefore reflect what the student has learned from the core and elective course work of the degree program. Unless exempted by the Board of Studies*, the dissertation will take the form of a paper suitable for submission to an appropriate peer reviewed journal. The content of this paper must reflect the research topic. The successful completion of this paper, plus a viva voce examination, fulfils the requirements for a dissertation.

assessment: dissertation, viva voce exam

* exemptions will be rare but may be necessary in some circumstances to avoid significant disadvantage to a particular student.

elective courses

DENT 7150HO

Dental Public Health (6100)

3 units semester 2

This course is designed to suit students requiring specific understanding of dental public health. The course 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.

PUB HLTH 7104HO

Biostatistics (4286)

3 units semester 2

Prerequisite: Completion of Pub Hlth 7101HO, Introduction to Epidemiology and Biostatistics normally at a credit level or above

This course 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, nonparametric non-parametric statistical methods, multivariate linear modelling and survival analysis.

A central feature of the course 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. Access to facilities may limit the number of students who can take this elective.

PUB HLTH 7105HO

Diseases of Occupation (7510)

3 units semester 1

This course offers a broad introduction to occupational health and safety. It will address the relationships between work, work processes and work exposures, and the occurrence of disease and injury. The nature, extent and distribution of work-related death, disease and injury will be considered, with special emphasis on the Australian environment. An important aim is to encourage a critical attitude towards health and safety issues, so that students will learn to evaluate problems and formulate appropriate preventive measures on the basis of scientific principles. The elective includes some industrial visits.

PUB HLTH 7106HO

Epidemiological Research Methods (8026)

3 units semester 1

prerequisite: 7101HO Introduction to Epidemiology and Biostatistics, normally at a credit level or above

This course 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 and critique a fellow student's protocol). Theoretical material as it relates to carrying out such research will include the definition and control of bias and confounding in observational studies. Interaction, modern interpretations, of case control studies, meta-analysis, clinical epidemiology, descriptive epidemiology, modern epidemiology theory and screening. Common pitfalls in epidemiological and statistical reasoning are examined, and attention is paid to research design, proposal writing, data presentation, and critical reading of the research literature. Students are introduced to electronic information resources in epidemiology (listservs, world wide web sites) and are required to complete an assignment using these resources. The course is designed to present students with an up-to-date view of epidemiological research methods.

PUB HLTH 7107HO

Epidemiology of Infectious Diseases (5241)

3 units semester 1

The course aims to introduce students to the epidemiology of infectious diseases of public health importance. Topics cover the descriptive epidemiology of these diseases, including the roles of surveillance and investigation of outbreaks of diseases. It also considers 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 also undertake special projects.

PUB HLTH 7108HO

Ethical Issues in Public Health (7258)

3 units semester 1

This course consists of two sections. One section is devoted to an examination of the bases for ethical argument in a pluralist society; the moral foundations of public policy; and the meaning of the concepts of persons, society, nature and risk. The second section 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, ethical dilemmas in primary care, occupational health and health promotion, and ethical problems in epidemiology.

PUB HLTH 7109HO
Health Promotion (4672)

3 units semester 2

This course may be taught in conjunction with the Centre for Health Promotion Research, Curtin University of Technology. It deals with concepts of health and theories of health behaviour, the concept of prevention, health education and health promotion, health promotion policies; community analysis, focusing program development, developing a program plan, program implementation, and program evaluation.

PUB HLTH 7111HO
Industrial Toxicology (6187)

3 units semester 1

This course reviews concepts in chemical toxicology which constitute a rational basis for the setting of chemical exposure standards. It includes an overview of the principles of toxicology; biological processes such as toxicant absorption, distribution, metabolism and excretion; the use of toxicity tests and other data to characterise a chemical's toxic effects with specific emphasis on carcinogenicity, mutagenicity, neurotoxicity and developmental toxicity; and the problem of estimating risk.

PUB HLTH 7113HO
Introduction to Environmental and Occupational Health (3181)

3 units semester 2

This course will introduce the stalwarts of environmental health, namely water quality and water pollution, food quality and air quality. There will also be some consideration of an important contemporary concern in environmental health; the pressures of rising population numbers and the ecological consequences of trying to ensure adequate food supplies. The course will also include an introduction to occupational health: how workplace hazards can affect health, and legislative and other strategies for the control of the hazards. There will be some consideration of how the changes in human ecology influence the emergence of new infectious diseases and the re-emergence of old diseases. Local environmental health issues will be considered as examples of global environmental health problems.

PUB HLTH 7114HO
National Short Course in Environmental Health (4446)

3 units semester 1

Intensive course held over 10 days in December

The course 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 course 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 a). understand selected relationships between the environment and human health and b). be able to apply this information to develop risk assessment and risk management strategies.

PUB HLTH 7115HO
Public Health Law (5546)

3 units semester 1

A series of classes This course covers the major elements of public health law, the general theories about law and its development in contexts that are important for public health. It provides There will be a detailed analysis of the law relating to the main areas of public health practice, including disease control, environmental health, occupational health, epidemiology, public health litigation and legislation, drug and alcohol controls and health promotion. Current issues in public policy, such as competition policy reform and privatisation are also considered.

PUB HLTH 7116HO
Public Health Nutrition (7465)

3 units semester 1

This course is aimed to introduce students to central concepts and issues in public health nutrition. Some of the topics covered include the problems of "under" and "over" nutrition; the characteristics of healthy diets; the composition of foods; dietary assessment methods; biological, psychological and social influences on food consumption; food systems and policies; and nutrition promotion. This is taught via a combination of lectures, tutorials, small group projects and practical assignments.

PUB HLTH 7117HO

Public Health Policy and Ageing (4463)

3 units semester 2

This course 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 pattern of disability, care of the confused elderly, housing and accommodation policies, the political economy of ageing, nursing home needs, domiciliary support and geriatric assessment arrangement, preparation for retirement, pensions and health and health promotion into geriatrics and gerontology in Australia and with the various initiatives being undertaken to address the health and social needs of elderly South Australians are considered.

PUB HLTH 7118HO

Public Health Studies (2836)

3 units semester 2

This course, which is offered in response to specific requests, 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. This plan should be submitted to the Convenor of the Board of Studies.

PUB HLTH 7131HO

Occupational Hygiene & Ergonomics (5672)

3 units semester 1

This course 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 workstation and process design; displays and information systems; biomechanics; anthropometry; and psychological aspects.

PUB HLTH 7121HO

Diseases of Public Health Importance (8780)

3 units semester TBA

At the end of the course each students will be able to: describe the epidemiology of a group of representative diseases and common clinical problems; intelligently discuss the available information about aetiology, pathogenesis and public health

importance of these diseases; read critically and intelligently reports in the literature relating to new theories of aetiology and approaches to control of the diseases; and apply the perspective developed in this course to other disease entities which are not covered in the course.

PUB HLTH 71212HO

Health Program Evaluation

3 units semester TBA

This course will consider relevant questions to ask of the performance of a health program, and methods by which these questions may be investigated. The differing standpoints to the consumer, the health service provider and the policy maker will be identified. Methods covered will include needs analysis, process evaluation and outcome evaluation. Both quantitative and qualitative approaches will be considered. There will be a practical exercise in which participants will design an evaluation of health program with which they are familiar.

PUB HLTH 7123HO

Rural Public Health

3 units semester TBA

The course will begin by re-visiting key concepts within public health and considering their application to rural and remote settings. In particular, the relevance of the principles of 'old' and 'new' public health in explaining patterns of morbidity and mortality in non-metropolitan settings will be canvassed. The old public health focuses on issues related to the physical environment, including water supply, air quality and the quality of food supply. The new public health considers the role of socio-economic inequality, community capacity, public policy and infrastructure, as well as appropriate, accessible service provision in giving rise to and resolving health problems. Possible topic areas to be covered in the course include nutrition, immunisation, environmental health, mental health, injury and health promotion programs.

assessment: tutorial participating and a research project. Students are required to spend 5 days on rural placement in mid-semester break as part of research project for assessment

Master of Surgery

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

Specific Academic Program Rules

1 Duration of program

Unless the Faculty shall otherwise determine, a candidate for the degree shall pursue his or her approved program of study for a period of not more than three years from the date of his or her candidature.

2 Admission requirements

- 2.1** The following persons may be accepted as candidates for the degree of Master of Surgery:
- (a) Bachelors of Surgery of Adelaide University
 - (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 Adelaide University.
- 2.2** 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.
- 2.3** 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.
- 2.4** 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.

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

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

Specific Academic Program Rules

- 1** The following persons may be accepted as candidates for the degree of Doctor of Medicine:
 - (a) Bachelors of Medicine of Adelaide University
 - (b) Graduates in medicine of another university, but who have had a substantial association with Adelaide University, and who hold a degree which is accepted by the School of Medicine as equivalent to the degree of Bachelor of Medicine of Adelaide University.
- 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, Adelaide University Handbook of Academic Programs, Part II: Postgraduate Programs.

Doctor of Nursing

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

Specific Academic Program Rules

1 Duration of the program

- 1.1 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.

2 Admission requirements

- 2.1 An applicant for admission to the program 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.
- 2.2 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.
- 2.3 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.

2.4 Status and exemption

- 2.4.1 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.
- 2.4.2 A candidate who fails a course and desires to repeat that course shall, unless exempted partially therefrom by the Head of Department of Clinical Nursing, again complete all the required work in the course to the satisfaction of the teaching staff concerned.

2.5 Acceptance

- 2.5.1 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.).

2.6 Extensions and Intermissions

- 2.6.1 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.
- 2.6.2 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.

2.7 Resumption of lapsed candidature

- 2.7.1 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.

3 Enrolment

Annual Review

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.

4 Assessment and examinations

4.1 Assessment for coursework

- 4.1.1 There shall be four classifications of pass in any course for the Degree: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.
- 4.1.2 (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.
- 4.1.3 A candidate who has failed a course twice may not re-enrol in that course except by special permission of the Board and then only under such conditions as may be prescribed.

4.2 Assessment and examinations of doctoral portfolio

- 4.2.1 On the completion of the approved program 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.

- 4.2.2 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.

- 4.2.3 A candidate shall notify 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.

- 4.2.4 (a) A candidate shall have the right to submit objections to the appointment of potential examiners. Any such objections should be submitted to Graduate Studies at the same time as the notification of intention to submit required under rule 4.2.3. 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 4.2.5 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.

- 4.2.5 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 program 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.
- 4.2.6 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 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.

5 Qualification requirements

- 5.1 A candidate shall pursue a program 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 courses to the value of 24 units and field based inquiry courses to the value of 12 units.

5.2.1 Core courses

All candidates shall complete the following courses:

CLIN NUR 8001HO Contemporary Issues in Service Delivery	8
CLIN NUR 8002HO Predicting, Critiquing and Visioning in Nursing	8
CLIN NUR 8003HO Situating Scholarly Inquiry in Nursing	8

5.2.2 Field Based Inquiry courses

All candidates shall complete the following courses:

CLIN NUR 8004HO Field Based Inquiry in Nursing I	6
CLIN NUR 8005HO Field Based Inquiry in Nursing II	6

- 5.3 A candidate shall also pursue an approved program 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 Courses at this University, but the work for the Field Based Inquiry courses 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 courses 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 2.6, 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.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

CLIN NUR 8001HO

Contemporary Issues in Service Delivery (3260)

8 units 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%

CLIN NUR 8002HO

Predicting, Critiquing and Visioning in Nursing (1075)

8 units 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%

CLIN NUR 8003HO

Situating Scholarly Inquiry in Nursing (1919)

8 units 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%

CLIN NUR 8004HO

Field Based Inquiry in Nursing I (4938)

6 units 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

CLIN NUR 8005HO

Field Based Inquiry in Nursing II (4438)

6 units 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

Dear Sir,

I am writing to you regarding the matter of the late Mr. John Doe, who passed away on the 15th of October, 2023. I am the executor of his will and I am in the process of settling his estate. I have identified several assets that belong to the estate and I am seeking your assistance in identifying any liabilities that may be owed by the estate.

The assets identified include a residential property located at 123 Main Street, a motor vehicle registered in the name of Mr. Doe, and a bank account held at ABC Bank. I have also identified a number of liabilities, including a mortgage on the residential property, a car loan, and a credit card debt. I am seeking your assistance in identifying any other liabilities that may be owed by the estate.

I have enclosed a list of the assets and liabilities identified to date. I would appreciate it if you could review this list and advise me of any other liabilities that you are aware of. I am happy to provide any further information that you may require.

Yours faithfully,
John Doe

I am writing to you regarding the matter of the late Mr. John Doe, who passed away on the 15th of October, 2023. I am the executor of his will and I am in the process of settling his estate. I have identified several assets that belong to the estate and I am seeking your assistance in identifying any liabilities that may be owed by the estate.

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Doctor of Music

D.Mus.

Academic Program available from Elder Conservatorium
- School of Performing Arts

Doctor of Philosophy

Ph.D.

Please refer to the Graduate Studies section (see
Contents) for Academic Program Rules

Postgraduate awards in the Elder School of Music

Graduate Diploma in Chamber Music

Graduate Diploma in Conducting

Graduate Diploma in Digital Arts

Graduate Diploma in Intercultural Music

Graduate Diploma in Jazz Performance

Graduate Diploma in Music Education

Graduate Diploma in Music Performance

Graduate Diploma in Music Theory

Graduate Diploma in Musicology

Graduate Diploma in Radio Broadcasting Studies

Master of Music

Master of Music (Performance)

Master of Music Theory

Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General Academic Program Rules to the Convenor of Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific General Academic 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
- 4 There is also a Doctor of Music (D.Mus.) whose rules are available on application from the School office.

Graduate Diploma in Digital Arts

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

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 General

There shall be a Graduate Diploma in Digital Arts.

2 Duration of program

To qualify for a Graduate Diploma a candidate shall complete a program of study extending over one year as a full-time student, or not less than two years as a part-time student.

3 Admission

3.1 The Faculty may accept as a candidate for the Graduate Diploma any person who has qualified for:

- (a) an ordinary degree of Adelaide University from the School with results of above-average standard or
- (b) the ordinary degree of the Bachelor of Arts of Adelaide University which has within it a major sequence in a performing arts course or a computer science course. The results in these courses must have been of above average standard *or*
- (c) a degree in a relevant discipline from Adelaide University 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.

3.2 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 program under Specific Academic Program Rule 3.1 but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

4 Assessment

4.1 There shall be the four classifications of Pass in courses for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

4.2 Review of academic progress

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 Qualification requirements

To qualify for the Graduate Diploma in Digital Arts a candidate shall satisfactorily complete the following courses:

5.1 Academic program

DIGARTS 6000 Creative Arts Theory IV	4
DIGARTS 6001A/B Directed Study (Digital Arts) IV	8
DIGARTS 6002 Technology in the Arts IV	4
DIGARTS 6003A/B Multimedia Studio Techniques IV	8

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

DIGARTS 6000

Creative Arts Theory IV (2027)

4 units 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 paper and tutorial presentation of sketch/score of a performance/art work involving at least two artistic media, at 'rehearsal ready' stage for performance works and a 'production ready' stage for other art works

assessment: continuous assessment of studio competence; journal of notes; 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.

DIGARTS 6001A/B

Directed Study (Digital Arts) IV (3202)

8 units 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: i) before an audience eg as recital, seminar presentation, Internet performance, ii) CD/CD ROM or other archivable digital medium

DIGARTS 6002

Technology in the Arts IV (7928)

4 units 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

DIGARTS 6003A/B

Multi Media Studio Techniques IV (9062)

8 units 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.

Graduate Diplomas in Music

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

Note: Postgraduate tuition fees apply to this program.

Specific Academic Program 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 Duration of program

To qualify for a Graduate Diploma a candidate shall complete a program of study extending over one year as a full-time student, or not less than two years as a part-time student.

3 Admission

3.1 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 Adelaide University which the Faculty judges to have been attained at above-average standard
- (b) the ordinary degree of the Bachelor of Arts of Adelaide University which has within it a major sequence in Music or its equivalent. These courses 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.

3.2 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 program under Specific Academic

Program Rule 3.1 but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Diploma.

3.3 Status, exemption and credit transfer

Candidates who have previously satisfactorily completed courses 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 courses listed above, shall complete alternative Graduate Diploma courses in lieu of those already passed to a total value of 12 units.

4 Assessment and examination

4.1 There shall be the four classifications of Pass in courses for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

4.2 Review of academic progress

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 Qualification requirements

5.1 Graduate Diploma in Intercultural Music Studies

To qualify for the Graduate Diploma in Intercultural Music Studies a candidate shall satisfactorily complete the following courses:

5.1.1 Academic program

ETHNO 6037 Methods for Intercultural Music Studies IVA	6
ETHNO 6065 Methods for Intercultural Music Studies IVB	3
and in addition, satisfactorily complete options from the following courses to a total of 15 units:	
ETHNO 4000 Intercultural Music Performance Workshop IV	3
ETHNO 6022 Folk and Traditional Music of European Cultures IV	3
ETHNO 6026 Music of Aboriginal Australia IV	3

ETHNO 6028 Community Music Project IV	3
ETHNO 6034 Intercultural Music Studies Dissertation IV	9
ETHNO 6054 Japanese Music IV	3
ETHNO 6057 Asian Theatre IV	6
MUSHIST 6064 Chinese Music IV	3

5.2 Graduate Diploma in Jazz Performance

To qualify for the Graduate Diploma in Jazz Performance a candidate shall satisfactorily complete the following courses:

5.2.1 Academic program

JAZZ 6032A/B Jazz Performance IV	8
JAZZ 6033A/B Jazz Piano Class IV	2
JAZZ 6046A/B Large Jazz Ensemble IV	2
JAZZ 6051A/B Improvisation IV	3
JAZZ 6053A/B Small Jazz Ensemble IV	4
JAZZ 6063A/B Jazz Theory IV	3
JAZZ 6067A/B Jazz History IV	2

5.3 Graduate Diploma in Music Education

To qualify for the Graduate Diploma in Music Education a candidate shall satisfactorily complete the following courses:

5.3.1 Academic program

MUSICED 6025A/B Comparative Music Education Methodologies IV 6

and, in addition, satisfactorily complete options from the following courses to a total of 18 units:

JAZZ 6066A/B Jazz Education IV	6
MUSICED 6048A/B Music Education Composition and Harmony IV	6
MUSICED 6050A/B Music Education Dissertation IV	6
MUSICED 6060A/B Music Education IV	6
PERF 6023A/B Conducting Methods IV	6

or up to two of the following courses:

ETHNO 4000 Intercultural Music Performance Workshop IV	3
ETHNO 6022 Folk and Traditional Music of European Cultures IV	3
ETHNO 6026 Music of Aboriginal Australia IV	3

5.3.2 With the permission of the Dean in each case, candidates may be permitted to substitute other courses from the Honours Degree of Bachelor of Music or another Graduate Diploma in Music, to a maximum value of 6 units, for any of the above courses.

Note (not forming part of the Specific Academic Program Rules):

Candidates are advised that this program 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 Handbook under the Faculty of Humanities and Social Sciences.)

5.4 Graduate Diploma in Music Performance

To qualify for the Graduate Diploma in Music Performance, a candidate shall satisfactorily complete the following courses:

5.4.1 Academic program

(a) one of:

PERF 6008A/B Major Recital IVA	12
PERF 6010A/B Major Recital IVC	12

and

(b) one of:

PERF 6012A/B Short Recital IV	8
ENSEMBLE 6009A/B Ensemble/Orchestral Performance IV	8

and

(c) either

PERF 6014A/B Concerto IV	4
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or

one of the Musicology courses listed in Specific Academic Program Rule 5.2 of the degree of Master of Music (Performance)

or

one of the following courses from the Graduate Diploma in Music Theory:

MUSTH 6030 20th Century Techniques and Analysis IV	4
MUSTH 6036 Advanced Applied Tonal Counterpoint IV	4
MUSTH 6042 Advanced Tonal Analysis IV	4
MUSTH 6059 Advanced Tonal Theory IV	4

5.4.2 Students of brass instruments or bassoon may give two short (30 minute) recitals in lieu of Major Recital IVA or IVC.

5.4.3 In special cases the Dean may approve different but equivalent sets of exercises.

5.5 Graduate Diploma in Music Theory

To qualify for the Graduate Diploma in Music Theory a candidate shall satisfactorily complete the following courses:

5.5.1 Academic program

MUSTH 6006A/B Music Theory Research Project IV	6
MUSTH 6029 Music Theory Seminar IV	2
MUSTH 6036 Advanced Applied Tonal Counterpoint IV	4
MUSTH 6042 Advanced Tonal Analysis IV	4
MUSTH 6059 Advanced Tonal Theory IV	4
MUSTH 6030 20th Century Techniques and Analysis IV	4

5.6 Graduate Diploma in Musicology

To qualify for the Graduate Diploma in Musicology a candidate shall, subject to Specific Academic Program Rule 3, satisfactorily complete the following courses:

5.6.1 Academic program

MUSICOL 6011 History of Music Theory IV	3
MUSICOL 6018 Australian Music IV	3
MUSICOL 6031 Introduction to Musicology IV	3
MUSICOL 6035 The Aesthetics of Music IV	3
MUSICOL 6044 Studies in Music History IVA	3
MUSICOL 6045 Studies in Music History IVB	3
MUSICOL 6062 Studies in Early Music IV	3
MUSTH 6052A/B Music Analysis IV	3

5.6.2 With the permission of Dean in each case, candidates may be permitted to substitute other courses from the Honours degree of Bachelor of Music or another Graduate Diploma in Music, to a maximum value of 6 units, for any of the above courses.

5.6.3 Candidates who have previously satisfactorily completed courses for the Bachelor of Music or Bachelor of Arts or other award which include substantially the same material as that in any of the courses listed above, shall in lieu of these courses satisfactorily complete further Musicology courses listed in the Specific Academic Program Rule 5.2.2 for the degree of Master of Music (Performance), and in addition complete:

MUSICOL 6056A/B Musicology Dissertation IV	9
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to a total value of 24 units

5.7 Graduate Diploma in Conducting

To qualify for the Graduate Diploma in Conducting a candidate shall satisfactorily complete the following courses:

5.7.1 Academic program

MUSTH 6020 Tonal Analysis for Conductors IV	6
PERF 6040A/B Conducting Class IV	6
PERF 6047A/B Conducting Practicum IV	12

5.8 Graduate Diploma in Chamber Music

To qualify for the Graduate Diploma in Chamber Music a candidate shall satisfactorily complete the following courses:

5.8.1 Academic program

ENSEMBLE 6070 Chamber Music IV	8
PERF 6101 Chamber Music Recital IVA	4
PERF 6022 Chamber Music Recital IVB	8
PERF 6095 School Demonstration IV	4

Graduate Diploma in Chamber Music

Postgraduate tuition fees apply to this program.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

ENSEMBLE 6070

Chamber Music IV (6331)

8 units not offered in 2002

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 units of general application for all ensembles involved.

assessment: teacher's report 80%, performance result 20%.
Masterclass only - teacher's report 66%, Performance result 33%

PERF 6022

Chamber Music Recital IVB (2065)

8 units not offered in 2002

One public recital of 60 minutes duration.

assessment: performance result 80%, teacher's report 20%

PERF 6095

School Demonstration IV (7944)

4 units not offered in 2002

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%

PERF 6101

Chamber Music Recital IVA (8523)

8 units not offered in 2002

Two public recitals of 50 minutes duration each.

assessment: performance result 80%, teacher's report 20%

Graduate Diploma in Conducting

Postgraduate tuition fees apply to this program.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

MUSTH 6020

Tonal Analysis for Conductors IV (1391)

6 units not offered in 2002

quota applies

2 hour seminar, half hour keyboard class a week

prerequisite: 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.

assessment: analysis of selected works (or sections thereof) 60%, four weekly keyboard exercises 40%

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 classical/ romantic repertoire and one from 20th Century 70%, demonstrated rehearsal skills 30%

PERF 6040A/B

Conducting Class IV (6232)

6 units not offered in 2002

2 hour practical class a week

quota applies

prerequisite: satisfactory audition

A study of Conducting techniques and an examination of standard repertoire.

assessment: viva voce exam dealing with broad knowledge of repertoire, detailed knowledge of area of specialisation, detailed knowledge of scores studied

PERF 6047A/B

Conducting Practicum IV (6875)

12 units not offered in 2002

2 hours a week (or equiv.) practical experience taken concurrently with Conducting Class, additional activities as negotiated with the lecturer in charge

quota applies

prerequisite: satisfactory audition

corequisite: 6232 Conducting Class IV

Graduate Diploma in Intercultural Music Studies

Postgraduate tuition fees apply to this program.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

ETHNO 4000

Intercultural Music Performance Workshop IV (5503)

3 units not offered in 2002

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 III B

ETHNO 6022

Folk and Traditional Music of European Culture IV (1950)

3 units not offered in 2002

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

ETHNO 6026

Music of Aboriginal Australia IV (2439)

3 units not offered in 2002

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

ETHNO 6028

Community Music Project IV (2768)

3 units not offered in 2002

Individual tuition and fieldwork

This course 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

ETHNO 6034

Intercultural Music Studies Dissertation IV (4627)

9 units not offered in 2002

Regular supervision by appointment

Dissertation based on a intercultural music study approved in consultation with the lecturer-in-charge.

assessment: 10000 word dissertation

ETHNO 6037

Methods for Intercultural Music Studies IVA (5871)

6 units not offered in 2002

restriction: 6989 Ethnomusicology IIIA

2-hour seminar, 1 hour tutorial a week

This course 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

ETHNO 6054

Japanese Music IV (8531)

3 units not offered in 2002

2-hour seminar a week

restriction: 1516 Japanese Music III

This course 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

ETHNO 6057

Asian Theatre IV (8690)

6 units not offered in 2002

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

ETHNO 6065

Methods for Intercultural Music Studies IVB (9768)

3 units not offered in 2002

2-hour seminar a week

prerequisite: 5871 Methods for Intercultural Music Studies IVA

This course 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

MUSHIST 6064

Chinese Music IV (9633)

3 units not offered in 2002

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

Graduate Diploma in Jazz Performance

Postgraduate tuition fees apply to this program.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

JAZZ 6032A/B

Jazz Performance IV (3801)

8 units not offered in 2002

2 hours a week

This course 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%, 60 min. exam recital 75%

JAZZ 6033A/B

Jazz Piano Class IV (4375)

2 units not offered in 2002

2 hours a week

This course 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%

JAZZ 6046A/B

Large Jazz Ensemble IV (6684)

2 units not offered in 2002

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

JAZZ 6051A/B

Improvisation IV (7747)

3 units not offered in 2002

2 hours a week

Aims to enable students to develop and apply improvisation techniques. This course 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: assignments and classwork 25%, written, practical exams 75%

JAZZ 6053A/B

Small Jazz Ensemble IV (8530)

4 units not offered in 2002

4 hours a week (includes 1 hour Jazz Forum)

This course 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%, exams of approx. 30 minutes playing time 50%

JAZZ 6063A/B

Jazz Theory IV (9530)

3 units not offered in 2002

2 hours a week

This course 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%, semester exams 50%

JAZZ 6067A/B

Jazz History IV (9890)

2 units not offered in 2002

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%

Graduate Diploma in Music Education

Postgraduate tuition fees apply to this program.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

JAZZ 6066 A/B

Jazz Education IV (9889)

6 units not offered in 2002

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: class exercises 40%, 2 x 2000 word essays or equivalent 30%, exam 15%, arrangement 15%

MUSICED 6025A/B

Comparative Music Education Methodologies IV (2333)

6 units not offered in 2002

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

MUSICED 6048A/B

Music Education Composition and Harmony IV (6916)

6 units not offered in 2002

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%

MUSICED 6050A/B

Music Education Dissertation IV (7395)

6 units not offered in 2002

Regular supervision by appointment

Dissertation based on a music education topic approved in consultation with the lecturer-in-charge.

assessment: 8000 word dissertation

MUSICED 6060A/B

Music Education IV (9161)

6 units not offered in 2002

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%, exam 10%

PERF 6023A/B

Conducting Methods IV (1969)

6 units not offered in 2002

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%

Graduate Diploma in Musicology

Postgraduate tuition fees apply to this program.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

MUSICOL 6011

History of Music Theory IV (7078)

3 units not offered in 2002

2 hours a week for one semester

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, renaissance and baroque periods.

assessment: 2000 word essay; short technical exercises

MUSICOL 6018

Australian Music IV (1117)

3 units not offered in 2002

2 hour lecture a week

corequisite: 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

MUSICOL 6031

Introduction to Musicology IV (3696)

3 units not offered in 2002

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.

MUSICOL 6035

The Aesthetics of Music IV (4723)

3 units not offered in 2002

corequisite: 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.

MUSICOL 6044

Studies in Music History IVA (6593)

3 units not offered in 2002

2 hour lecture a week

corequisite: 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.

MUSICOL 6045

Studies in Music History IVB (6667)

3 units not offered in 2002

2 hour lecture a week

corequisite: 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.

MUSICOL 6062

Studies in Early Music IV (9362)

3 units not offered in 2002

2 hour lecture a week

corequisite: 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

MUSTH 6052A/B

Music Analysis IV (7932)

3 units not offered in 2002

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

Graduate Diploma in Music Performance

Postgraduate tuition fees apply to this program.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

ENSEMBLE 6009A/B

Ensemble/Orchestral Performance IV Part 1 & 2 (5435)

8 units full year

1 hour a week concurrent with preparation for all diploma Performance courses

prerequisite: credit or above in the appropriate Level III Performance course or audition or both

A program of study of chamber works or orchestral excerpts appropriate to the instrument studied.

assessment: recital/examination of chamber music or orchestral excerpts of 35 minutes duration

PERF 6008A/B

Major Recital IV(A) Part 1 & 2 (5340)

12 units full year

1 hour a week, concurrent with preparation for all diploma Performance courses

prerequisite: credit or above in the appropriate Level III performance course 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

PERF 6010A/B

Major Recital IV(C) Part 1 & 2 (5763)

12 units full year

1 hour a week, concurrent with preparation for all diploma Performance course

prerequisite: credit or above in the appropriate Level III Performance course 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

PERF 6012A/B

Short Recital IV Part 1 & 2 (7143)

8 units full year

1 hour a week, concurrent with preparation for all diploma Performance course

prerequisite: credit or above in the Level III Performance course 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

PERF 6014A/B

Concerto IV Part 1 & 2 (7779)

4 units full year

1 hour a week, concurrent with preparation for all diploma Performance courses

prerequisite: credit or above in the appropriate Level III Performance course (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

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

Postgraduate tuition fees apply to this program.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

Note: assumed knowledge for all courses below is as follows: 1935 Music Theory I, 7642 Music Theory II, 4851 Music Theory III

MUSTH 6006A/B

Music Theory Research Project IV Part 1 & 2 (3803)

6 units not offered in 2002

regular supervision by appointment

Dissertation or extended composition illustrating tonal or 20th Century techniques.

assessment: in consultation, candidate may nominate topic. 8000 word (or equiv.) dissertation may involve either: 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 writing of extended tonal or non-tonal work which demonstrates knowledge of harmonic techniques covered throughout diploma and harmonic analysis of same.

Note: work must be an original composition and must not have been presented elsewhere for assessment in another course or program.

MUSTH 6029

Music Theory Seminar IV (3177)

4 units not offered in 2002

2 hour seminar a week or equivalent

The course 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: oral presentation of 2500 word paper, or equivalent

MUSTH 6030

Advanced 20th Century Techniques and Analysis IV (3458)

4 units not offered in 2002

2 hour seminar a week

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

MUSTH 6036

Advanced Applied Tonal Counterpoint IV (4796)

4 units not offered in 2002

2 hour seminar a week

This course 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: folio of not less than 10 short originally composed contrapuntal exercises

Note: assessment may be less than 10 if a complete fugue is set for assessment or another larger complete movement or exercise)

MUSTH 6042

Advanced Tonal Analysis IV (6564)

4 units not offered in 2002

2 hour seminar a week

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) representative of the period covered

MUSTH 6059

Advanced Tonal Theory IV (8965)

4 units not offered in 2002

2 hour seminar a week

This course involves a coverage of tonal techniques with special emphasis on the composition of harmonic models in demonstration of those techniques.

assessment: folio of not less than 10 originally composed harmonic exercises

Graduate Diploma in Radio Broadcasting Studies

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

Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 General

There shall be a Graduate Diploma in Radio Broadcasting Studies

2 Duration of program

Except with the special permission of the Dean, the program for the Graduate Diploma shall be completed in not more than one year of full-time study. The program is not available on a part-time basis.

3 Admission

3.1 An applicant for admission to the program of study for the Graduate Diploma must hold a degree of Bachelor of Arts or equivalent qualification.

3.2 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 Academic Program Rule 3.1 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the Diploma.

3.3 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.

3.4 Status and exemption

No candidate may count toward the Graduate Diploma any course which he or she has passed for another qualification.

4 Assessment and examinations

4.1 To complete a program 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.

4.2 There shall be four classifications of pass at the final examination in any course for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

4.3 Review of academic progress

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.

5 Qualification requirements

To qualify for the Graduate Diploma candidates shall complete the following courses to the satisfaction of examiners:

5.1 Academic program

RADIO 6019 Radio Industry Practicum IV	2
RADIO 6021 Radio Production IVC	3
RADIO 6024 Elective in Radio Production IV	2
RADIO 6027 Elective in Radio Industry Skills IV	2
RADIO 6039 Radio Production IVD	3
RADIO 6041 Radio Production IVA	3
RADIO 6043 The Radio Medium IV	3
RADIO 6049 Live Broadcasting Practicum IV	3
RADIO 6055 Radio Production IVB	3

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

RADIO 6019

Radio Industry Practicum IV (1251)

2 units not offered in 2002

experience - 80 hours over 4 weeks

quota will apply

prerequisite: 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

RADIO 6021

Radio Production IVC (1751)

3 units not offered in 2002

2 two-hour studio sessions a week for 5 weeks

quota will apply

prerequisite: 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%

RADIO 6024

Elective in Radio Production IV (2133)

2 units not offered in 2002

2 four-hour studio workshops a week for 3 weeks

quota will apply

prerequisite: 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

RADIO 6027

Elective in Radio Industry Skills IV (2633)

2 units not offered in 2002

4 hours of station participation a week for 3 weeks

quota will apply

prerequisite: 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

RADIO 6039

Radio Production IVD (6167)

2 units not offered in 2002

2 two-hour studio sessions a week for 5 weeks

quota will apply

prerequisite: 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%

RADIO 6041

Radio Production IVA (6551)

3 units not offered in 2002

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

RADIO 6043

The Radio Medium IV (6571)

2 units not offered in 2002

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

RADIO 6049

Live Broadcasting Practicum IV (7344)

3 units not offered in 2002

2 four-hour studio sessions (or equivalent)

quota will apply

prerequisite: 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 course. 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%

RADIO 6055

Radio Production IVB (8536)

3 units not offered in 2002

2 four-hour studio sessions a week for 5 weeks

quota will apply

prerequisite: 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%

Master of Music

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

Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 General

A candidate who fulfils the requirements of these Specific Academic Program Rules and satisfies the examiners in the field to which his/her program relates shall on the recommendation of the School be admitted to the degree.

2 Duration of program

2.1 The program 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:

- (a) Such preliminary study and examinations as may be prescribed in the Specific Academic Program Rules of the degree extending over not more than one year of full-time study or two years of part-time study.
- (b) A program 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 courses that are compulsory for the Honours degree in the field to which his course 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 Adelaide University *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 Academic Program 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 Academic Program Rules.

3 Admission

3.1 The School of Performing Arts may accept as a candidate for the degree of Master of Music a person who

- (a) has qualified in Adelaide University 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 Adelaide University.

3.2 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/her fitness to undertake studies for the degree of Master of Music.

4 Enrolment

4.1 Required program of activities at the commencement of candidature

4.1.1 Each candidate shall complete a structured program of activities within the first twelve months from commencement of candidature.

- 4.1.2 Continuation of the candidate's enrolment is conditional upon the completion of the activities to the satisfaction of the School/s concerned.
- 4.1.3 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 programs or skills training deemed necessary by the School/s concerned.

- 4.1.4 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.

5 Assessment and examinations

- 5.1** Every candidate shall pursue a program of advanced study in music as prescribed in the Specific Academic Program Rules. The courses 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 Academic Program Rule 6 shall be examined as provided in Specific Academic Program 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 Academic Program Rule 6, 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 course
- (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.

5.4 Preliminary study and examinations

Such preliminary work and examinations as may be prescribed in each individual case. This shall normally comprise one Honours course (other than Musicology or Ethnomusicology or Music Education) as prescribed in the Specific Academic Program Rules for the Honours degree of Bachelor of Music.

5.5 Review of academic progress

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.

6 Qualification requirements

A candidate shall satisfactorily complete a program of advanced study to be approved by the Dean after consultation with his/her supervisor including the following.

6.1 Academic program

- (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.

- 6.2** Such other advanced coursework or seminar work as may be prescribed or approved in each individual case. Candidates taking Specific Academic Program Rule 6.1(a) must present two seminar papers or a major analysis, not assessed by the external examiner.

Notes (not forming part of the Specific Academic Program Rules)

It is expected that the length of seminar papers will normally be approximately 5000 words.

Master of Music (Performance)

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

Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 General

There shall be a Master of Music (Performance).

2 Duration of program

To qualify for the degree a candidate shall complete a program 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 Admission

3.1 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 Adelaide University at First Class or IIA standard *or*
- (b) the Graduate Diploma in Music Performance of Adelaide University 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.

3.2 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.

4 Assessment and examination

4.1 Recital requirements

4.1.1 (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.

4.1.2 (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 (PERF 7015 Masters Recital A and PERF 7016 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.

4.2 Seminar requirements

(a) Each candidate shall attend three postgraduate seminars in Musicology or Ethnomusicology or Music Education or Music Theory, (see elective courses in Specific Academic Program Rule 5.2.2) as required by the Dean, and shall submit for assessment in each of the elective courses 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.

4.3 Review of academic progress

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 Qualification requirements

5.1 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, ethnomusicology, music education or music theory, as may be prescribed in the Specific Academic Program Rules
- (c) perform at a satisfactory standard at such public recitals as may be prescribed in the Specific Academic Program Rules.

5.2 Academic program

Note: notwithstanding the Specific Academic Program Rules and Syllabuses published in this volume, a number of courses listed may not be offered in 2002.

The availability of all courses is conditional upon the availability of staff and facilities.

5.2.1 Compulsory courses

PERF 7003 Recital Studies II	8
PERF 7005 Recital Studies I	8
PERF 7015 Masters Recital A	4
PERF 7016 Masters Recital B	4

provided that candidates may continue their enrolment for PERF 7015 Masters Recital A and PERF 7016 Masters Recital B for two semesters.

5.2.2 Elective courses

Courses to the value of 12 units from:

ETHNO 7000 Ethnomusicology Seminar V(C)	4
ETHNO 7004 Ethnomusicology Seminar V(A)	4
ETHNO 7017 Ethnomusicology Seminar V(B)	4
MUSICED 7077 Music Education Seminar V(B)	4
MUSICED 7081 Music Education Seminar V(A)	4
MUSICED 7089 Music Education Seminar V(C)	4
MUSICOL 7070 Musicology Seminar V(B)	4
MUSICOL 7074 Musicology Seminar V(C)	4
MUSICOL 7086 Musicology Seminar V(A)	4
MUSTH 7071 Music Theory Seminar V(A)	4
MUSTH 7083 Music Theory Seminar V(B)	4

Notes (not forming part of the Specific Academic Program Rules)

Pattern of study

Candidates are advised to present PERF 7005 Recital Studies I and PERF 7003 Recital Studies II and two of the elective courses in their first year of enrolment. Candidates should present PERF 7015 Masters Recital A, PERF 7016 Masters Recital B and the one remaining elective course in their final year of enrolment.

Candidates enrolled part-time may present PERF 7067A/B Recital Studies IA (Part-time) and PERF 7068A/B Recital Studies IIA (Part-time).

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

compulsory courses

PERF 7003

Recital Studies II (1940)

8 units semester 1 or 2

1 hour a week individual tuition

restriction: 7222 Recital Studies IIA

prerequisite: 3509 Recital Studies I

Candidates are required to prepare advanced performance repertoire in preparation for the recitals presented at the end of the program.

assessment: teacher's report based on standard and achievement, progress and technical development, attitude, punctuality and attendance

PERF 7005

Recital Studies I (3509)

8 units 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 program.

assessment: teacher's report based on standard and achievement, progress and technical development, attitude, punctuality and attendance

PERF 7015

Masters Recital A (8087)

4 units 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.

Note: the candidate's supervisor shall not be an examiner

PERF 7016

Masters Recital B (8354)

4 units semester 1 or 2

30 minutes individual tuition a week

restriction: 9540 Masters Recital VB

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.

Note: the candidate's supervisor shall not be an examiner

PERF 7076A/B

Recital Studies IA (Part Time) Part 1 & 2 (3614)

8 units 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 program

assessment: teacher's report based on standard and achievement, progress and technical development, attitude, punctuality and attendance

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%.

PERF 7068A/B

Recital Studies IIA (Part Time) Part 1 & 2 (1032)

8 units full year

30 minutes individual tuition a week

prerequisite: 3509/3634 Recital studies I / 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 program.

assessment: teacher's report based on standard and achievement, progress and technical development, attitude, punctuality and attendance

Elective courses

ETHNO 7000

Ethnomusicology Seminar V(C) (1283)

4 units semester 1 or 2

contact as required by seminar series

This course examines advanced theory and literature of ethnomusicology. It investigates current issues with special reference to the Australian context.

assessment: oral, written presentation of 5000 word paper

ETHNO 7004

Ethnomusicology Seminar V(A) (2311)

4 units semester 1 or 2

contact as required by seminar series

This course examines advanced theory and literature of ethnomusicology. It investigates current issues with special reference to the Australian context.

assessment: oral, written presentation of 5000 word paper

ETHNO 7017

Ethnomusicology Seminar V(B) (9808)

4 units semester 1 or 2

contact as required by seminar series

This course examines advanced theory and literature of ethnomusicology. It investigates current issues with special reference to the Australian context.

assessment: oral, written presentation of 5000 word paper

MUSICED 7077

Music Education Seminar V(B) (4505)

4 units semester 1 or 2

contact as required by seminar series

The course examines theoretical constructs, practical applications and literature in music education. It investigates current issues and practices with special reference to Australian contexts.

assessment: oral presentation of 5000 word paper

MUSICED 7081

Music Education Seminar V(A) (6185)

4 units semester 1 or 2

contact as required by seminar series

The course examines theoretical constructs, practical applications and literature in music education. It investigates current issues and practices with special reference to Australian contexts.

assessment: oral presentation of 5000 word paper

MUSICED 7089

Music Education Seminar V(C) (8975)

4 units semester 1 or 2

contact as required by seminar series

The course examines theoretical constructs, practical applications and literature in music education. It investigates current issues and practices with special reference to Australian contexts.

assessment: oral presentation of 5000 word paper

MUSICOL 7070

Musicology Seminar V (B) (1658)

4 units semester 1 or 2

contact as required by seminar series

The course 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 5000 word paper

MUSICOL 7074

Musicology Seminar V (C) (3191)

4 units semester 1 or 2

contact as required by seminar series

The course 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 5000 word paper

MUSICOL 7086

Musicology Seminar V (A) (8054)

4 units semester 1 or 2

contact as required by seminar series

The course 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 5000 word paper

MUSTH 7071**Music Theory Seminar V(A) (1895)**

4 units not offered in 2001

2 hour seminar per week or equivalent

The course examines advanced theoretical concepts in music, their application in analytical and compositional process and their relation to performance practice.

assessment: oral presentation of 5000 word paper or equivalent

MUSTH 7083**Music Theory Seminar V(B) (6630)**

4 units not offered in 2002

2 hour seminar per week or equivalent

The course examines advanced theoretical concepts in music, their application in analytical and compositional process and their relation to performance practice.

assessment: oral presentation of 5000 word paper or equivalent

Master of Music Theory

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

Postgraduate tuition fees apply to this program.

Specific Academic Program Rules

1 General

There shall be a Master of Music Theory.

2 Duration of program

To qualify for the degree a candidate shall:

- (a) satisfactorily complete a program 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 Admission

3.1 The Faculty of Performing Arts may accept as a candidate for admission to the program 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 Adelaide University, and in addition the Graduate Diploma in Music Theory *or*
- (b) an award of another institution accepted for the purpose by the Faculty.

3.2 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.

3.3 A candidate who holds the Graduate Diploma in Music Theory shall surrender the Graduate Diploma before being admitted to the degree.

4 Enrolment

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.

5 Assessment and examination

5.1 Review of academic progress

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.

5.2 On completion of research work the candidate shall lodge with 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.

6 Qualification requirements

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 courses:

6.1 Academic program

MUSTH 6006A/B Music Theory Research Project IV	6
MUSTH 6029 Music Theory Seminar IV	2
MUSTH 6036 Advanced Applied Tonal Counterpoint IV	4
MUSTH 6042 Advanced Tonal Analysis IV	4
MUSTH 6059 Advanced Tonal Theory IV	4
MUSTH 7069A/B Music Theory Thesis VA	12
MUSTH 7071 Music Theory Seminar VA	4
MUSTH 7084 Pedagogy of Music Theory V	4
MUSTH 6030 20th Century Techniques and Analysis IV	4

and one elective course to the value of 4 units from one of the Masters programs offered by the School.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

MUSTH 7069A/B

Music Theory Thesis VA (1334)

4 units not offered in 2002

regular supervision by appointment

prerequisite: Graduate Diploma in Music Theory, 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

MUSTH 7071

Music Theory Seminar V(A) (1895)

4 units not offered in 2002

2 hour seminar a week or equivalent

The course 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

MUSTH 7080

Pedagogy of Music Theory VA (6022)

4 units not offered in 2002

prerequisite: Graduate Diploma in Music Theory, 6833 Pedagogy of Music Theory V

This course primarily involves supervised attendance and participation (including taking selected classes) in the undergraduate music theory program. 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.

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Ph.D.

Please refer to the Graduate Studies section (see Contents) for Academic Program Rules

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D.Sc.

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Graduate Certificate in Physics

Graduate Certificate in Science Education

Graduate Diploma in Physics

Master of Science in the Faculty of Science

Master of Science (Applied Physics)

Master of Science (Astrophysics)

Master of Science (Atmospheric Physics)

Master of Science (Medical Physics)

Master of Science (Optics and Lasers)

Master of Science (Reservoir Geoscience)

Master of Science (Theoretical Physics)

Master of Science in Petroleum Geology and Geophysics

Notes on Delegated Authority

- 1 Council has delegated the power to approve minor changes to the General Academic Program Rules to the Convenor of the Academic Board.
- 2 Council has delegated the power to approve minor changes to the Specific Academic Program 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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty of Science the program 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.

2 Admission

2.1 An applicant for admission to the program 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.

2.2 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 program under 2.1 above but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

3 Assessment and examinations

3.1 There shall be the following classifications of Pass in each course for the degree: First Class, second Class division A, Second Class Division B, Third Class.

- 3.2
- (a) A candidate who fails in a course and desires to take the course 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 course or division of a course may not enrol for that course 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 Qualification requirements

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 courses to the value of 12 units.

4.1 Academic program

4.1.1 The following shall be the courses for the Graduate Certificate in Petroleum Geology and Geophysics:

PETROL 7000TB Petroleum Geology & Geophysics (B)	6
PETROL 7001TB Petroleum Geology & Geophysics (A)	6

4.1.2 The Faculty of Science may require a candidate to undertake additional work needed as background to the program.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

This program is intended for graduates in geology or geophysics to undertake specifically petroleum related programs 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 program comprises two 6-unit courses:

PETROL 7000TB

Petroleum Geology and Geophysics (B) (4746)

PETROL 7001TB

Petroleum Geology and Geophysics (A) (5189)

Coursework includes lectures, workshops and field work in the Centre taken in conjunction with 5844 Honours Petroleum Geology and Geophysics and the Masters program conducted from February to June each year.

The courses include general geological topics such as basin analysis, sedimentology, diagenesis, sequence stratigraphy and structure. Most of these topics are revised during the field trip to the Flinders Ranges. Geophysical topics include seismic interpretation and 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 program. 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 courses 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 programs of study.

For syllabus information on the above courses please refer to M.Sc. (Petrol G.&G.).

Graduate Certificate in Physics

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

Specific Academic Program Rules

1 General

No candidate will be permitted to count for the Graduate Certificate any course that, in the opinion of the Faculty of Science, contains substantially the same material as any other course which he or she has already presented for another qualification.

2 Duration of program

To qualify for the Graduate Certificate a candidate shall satisfactorily complete a program of full-time study extending over at least one semester or part-time study extending over at least two semesters.

3 Admission

3.1 An applicant for admission to the program of study for the Graduate Certificate shall have qualified for a degree of Adelaide University 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.

3.2 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.

4 Assessment and examinations

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

- 4.2 (a) A candidate who fails in a course and desires to take the course 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 course or division of a course may not enrol for

that course 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.

5 Qualification requirements

5.1 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 units, including at least five units from options at Honours level.

5.2 Program of study

The options may be chosen from:

- (a) Level III courses offered by the Department of Physics and Mathematical Physics
- (b) Level III courses and Honours options offered by another Department of the University where appropriate and
- (c) the following courses:
- | | |
|--|-----|
| PHYSICS 7002 Advanced Astrophysics | 2.5 |
| PHYSICS 7003 Advanced Atmospheric Physics | 2.5 |
| PHYSICS 7004 Advanced Electromagnetism | 2.5 |
| PHYSICS 7005 Atomic and Molecular Physics | 2.5 |
| PHYSICS 7006 Cosmology | 2.5 |
| PHYSICS 7007 Experimental Methods | 2.5 |
| PHYSICS 7008 Gauge Theory | 2.5 |
| PHYSICS 7009 General Relativity | 2.5 |
| PHYSICS 7010 Laser Physics and Non-linear Optics | 2.5 |

PHYSICS 7011 Nuclear and Radiation Physics	2.5
PHYSICS 7012 Nuclear Theory and Particle Physics	2.5
PHYSICS 7013 Quantum Field Theory	2.5
PHYSICS 7014 Relativistic Quantum Mechanics and Particle Physics	2.5
PHYSICS 7015 Statistical Mechanics and Many Body Theory	2.5

- 5.3** The Faculty of Science may require a candidate to undertake additional work needed as background to the program.

Syllabuses

The Department of Physics and Mathematical Physics offers a program leading to the Graduate Certificate in Physics. The aim of the program 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 program 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 program must be approved formally by the Head of Department or nominee.

Please see Master of Science (Physics) for further syllabus details

Graduate Certificate in Science Education

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

Specific Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty of Science, the program for the Graduate Certificate shall be completed in one semester of full-time study or not more than two years of part-time study.

2 Admission

2.1 An applicant for admission to the program 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 Academic Program Rules.

2.2 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 2.1 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate

3 Enrolment

Each candidate's course of study must be approved by the Dean (or nominee) at enrolment each year.

4 Assessment and examinations

- 4.1 (a) A candidate who fails in a course and desires to take the course 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 course or division of a course may not enrol for that course 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.

5 Qualification requirements

5.1 To qualify for the Graduate Certificate in Science Education/Physics or Chemistry a candidate shall satisfactorily complete courses from either 4.1 or 4.2 above with an aggregate units value of at least 12 satisfying the following requirements:

- (a) Unless otherwise permitted by the Faculty, the courses presented for the Graduate Certificate must include both core courses, 2 optional courses from Group A and 2 from Group B. The Faculty may, in appropriate circumstances, allow a candidate to substitute for a core course, 2 optional courses from the same group.
- (b) The Faculty may, in appropriate circumstances, allow a candidate to substitute one or more Group C courses for courses required under (a) above.

5.2 To qualify for the Graduate Certificate in Science Education/Biology, a candidate shall satisfactorily complete courses listed in 5.7.3 below to the value of at least 12 units.

5.3 The courses presented for the Graduate Certificate shall not include any course which is, in the opinion of the Faculty, substantially equivalent to another course presented for the Graduate Certificate or already counted towards another qualification gained by the candidate.

5.4 Candidates wishing to enrol in courses 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:
- 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 Faculty may prescribe.

5.6 The syllabus for each course 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 Academic program

5.7.1 The following shall be the courses for the Graduate Certificate in Science Education - Physics.

Group A

core course

PHYSICS 5906 Teaching/Learning Physics in the Secondary School 3

optional courses

Educational Measurement & 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 course

PHYSICS 5901 Concepts of Physics (Science Education) 3

optional courses

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 courses 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 course from the following list of courses offered by the Department of Education may be taken in lieu of a core course or two optional courses:

EDUC 5016 Making Sense of the Scientific World 3

EDUC 5023 Scientific Revolutions and Education 3

EDUC 5024 The Nature of Science and Science Curricula 3

5.7.2 The following shall be the courses for the Graduate Certificate in Science Education -Chemistry.

Group A

core course

CHEM 5905 Teaching/Learning Chemistry in Secondary Schools 3

core course

Educational Measurement & 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 course

CHEM 5900 The General Concepts of Chemistry 3

core course

Chemistry of the Environment (Science Education) 1.5

From Atoms to Molecules (Science Education) 1.5

Electrons & 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 courses 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 course from the following list of courses offered by the Department of Education may be taken in lieu of a core course or two optional courses:

EDUC 5016 Making Sense of the Scientific World 3

EDUC 5023 Scientific Revolutions and Education 3

EDUC 5024 The Nature of Science and Science Curricula 3

5.7.3 The following shall be the courses 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

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

Chemistry

The Department of Chemistry offers a Graduate Certificate in Science Education in Chemistry which is intended for secondary school teachers of chemistry. The courses are in two groups. Group A courses are largely methodological and Group B courses deal with chemistry as a discipline.

CHEM 5900

The General Concepts of Chemistry (1202)

3 units not offered in 2002

A review of the development of chemical and physical ideas and their similarities and differences. What is chemistry? The course 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 course will be taught largely through tutorial discussions and guided presentations by students.

CHEM 5905

Teaching/Learning Chemistry in Secondary Schools (8132)

3 units not offered in 2002

The course is designed to provide the understanding and skills needed to present chemistry to students as a significant and important science.

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. Courses are in two groups. Group A courses are largely methodological and Group B courses deal with physics as a discipline. The syllabuses for the core courses are as follows:

PHYSICS 5901

Concepts of Physics (Science Education) (2398)

3 units not offered in 2002

This course 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 courses. 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 courses to follow. Much of the course is spent on individual readings from the text and subsequent participation in tutorial discussions on the set exercises.

PHYSICS 5906

Teaching /Learning Physics in the Secondary School (6217)

3 units not offered in 2002

This course 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.

Graduate Diploma in Physics

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

Specific Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a program of full-time study extending over at least one year or part-time study extending over at least two years.

2 Admission

2.1 An applicant for admission to the program of study for the Graduate Diploma shall:

- have qualified for 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 Department of Physics and Mathematical Physics.

2.2 Subject to the approval of the Council the Faculty of Science 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.

3 Assessment and examinations

3.1 There shall be four classifications of pass in each course 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 course and desires to take the course 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.
 - A candidate who has twice failed the examination in any course or division of a course may not enrol for that course again except by special permission to be obtained in writing and then only under such conditions as may be prescribed.
 - 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 Qualification requirements

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 courses 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 units.

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 units:

PHYSICS 6000A/B Diploma Project (Physics)

4.3 The Faculty may require a candidate to undertake additional work needed as background to the program.

Notes (not forming part of the Specific Academic Program Rules)

The Honours options may be chosen from the following courses:

PHYSICS 7002 Advanced Astrophysics	2.5
PHYSICS 7003 Advanced Atmospheric Physics	2.5
PHYSICS 7004 Advanced Electromagnetism	2.5
PHYSICS 7005 Atomic and Molecular Physics	2.5
PHYSICS 7006 Cosmology	2.5
PHYSICS 7007 Experimental Methods	2.5
PHYSICS 7008 Gauge Theory	2.5
PHYSICS 7009 General Relativity	2.5
PHYSICS 7010 Laser Physics and Non-linear Optics	2.5
PHYSICS 7011 Nuclear and Radiation Physics	2.5
PHYSICS 7012 Nuclear Theory and Particle Physics	2.5
PHYSICS 7013 Quantum Field Theory	2.5

PHYSICS 7014 Relativistic Quantum Mechanics
and Particle Physics 2.5

PHYSICS 7015 Statistical Mechanics and Many Body Theory 2.5
and any other courses 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 courses and Honours courses offered by the Department, but may also be taken from programs given in other departments, where appropriate. No course or option counted toward another program may be counted towards the diploma. The program 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 program must be approved formally by the Head of Department or nominee.

Please see Master of Science (Physics) for further syllabus details.

Master of Science

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

Specific Academic Program Rules

1 **Duration of course**

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 of Science, 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.

2 **Admission**

- 2.1 The following persons may become candidates for the degree of Master of Science in the Faculty of Science (a) persons qualified for the Honours degree of Bachelor of Science, (b) Honours degree of Bachelor of Agricultural Science, and (c) others having qualified for a degree, whose academic qualifications are accepted by the Faculty as sufficient:
- 2.2 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.
- 2.3 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.
- 2.4 A candidate who holds the Honours degree of Bachelor of Science or Bachelor of Agricultural Science or its equivalent in a university recognised by Adelaide University

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.

- 2.5 A person seeking enrolment as a candidate for the degree shall apply to the Graduate Admissions Office 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 Adelaide University, 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, will appoint a supervisor to guide the candidates in their work.

3 **Assessment and examinations**

- 3.1 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.
- 3.2 (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).

3.3 Review of academic progress

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

4 Qualification requirements

- 4.1** To qualify for the degree a candidate shall submit a thesis upon an approved course 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.
- 4.2** 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.

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 Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 Duration of Program

Except with the permission of the Faculty of Science, the courses of study and research report shall normally be completed in three semesters of full-time study or the equivalent of part-time study.

2 Admission

- 2.1 (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 Adelaide University 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 Adelaide University, 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 2.1(a) above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the degree.
- 2.2 The Faculty may grant status in courses for Honours or postgraduate study undertaken in another course in the University or in another university or tertiary institution.
- 2.3 The Faculty may require a candidate to undertake additional work needed as background to the course, where a student has not completed an Honours degree.

3 Enrolment

A candidate's enrolment in courses of study and choice of supervisor or supervisors must be approved by the Head of the Department of Physics and Mathematical Physics, or the program coordinator, at enrolment each year.

4 Assessment and examination

- 4.1 There shall be four classifications of pass in any course 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.
- 4.2 **Review of academic progress**
 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 Qualification requirements

- 5.1 To qualify for the degree a candidate shall:
- (a) satisfy examiners in courses of study as prescribed in the Specific Academic Program Rules and
- (b) present a satisfactory research report on a subject approved by the Head of Department.
- 5.2 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.

5.3 Academic program

Unless exempted therefrom by the Faculty every candidate for the degree shall satisfactorily complete units to the value of at least 36 units from the following components:

- (a) Coursework comprising options with an aggregate value of at least 16 units. These options may be chosen from:
- (i) Level III courses offered by the Department of Physics and Mathematical Physics
 - (ii) Level III courses and Honours options offered by another Department of the University where appropriate
 - (iii) and the following courses
- | | |
|--|-----|
| PHYSICS 7002 Advanced Astrophysics | 2.5 |
| PHYSICS 7003 Advanced Atmospheric Physics | 2.5 |
| PHYSICS 7004 Advanced Electromagnetism | 2.5 |
| PHYSICS 7005 Atomic and Molecular Physics | 2.5 |
| PHYSICS 7006 Cosmology | 2.5 |
| PHYSICS 7007 Experimental Methods | 2.5 |
| PHYSICS 7008 Gauge Theory | 2.5 |
| PHYSICS 7009 General Relativity | 2.5 |
| PHYSICS 7010 Laser Physics and Non-linear Optics | 2.5 |
| PHYSICS 7011 Nuclear and Radiation Physics | 2.5 |
| PHYSICS 7012 Nuclear Theory and Particle Physics | 2.5 |
| PHYSICS 7013 Quantum Field Theory | 2.5 |
| PHYSICS 7014 Relativistic Quantum Mechanics and Particle Physics | 2.5 |
| Physics 7015 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 units
- (c) An approved research project with a value of 12 units.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

The Department of Physics and Mathematical Physics offers a program 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 program 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 program options and project topic must be formally approved by the Head of Department or nominee.

Syllabuses for the courses listed in the Specific Academic Program Rules above and in the Specific Academic Program Rules for the Graduate Certificate in Physics and Graduate Diploma in Physics are as follows (Syllabuses for Level III courses may be found under the B.Sc. in the Calendar, Part I - Undergraduate Programs):

PHYSICS 7002

Advanced Astrophysics (2695)

2.5 units 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.

PHYSICS 7003

Environmental and Advanced Atmospheric Physics (9766)

2.5 units semester 1 or 2

The course is an introduction to the physics of planetary atmospheres, with a focus on the Earth's atmosphere including environmental and climate issues. Topics will include radioactive transfer in the Sun-Earth system, thermodynamics of the atmosphere, cloud physics, atmospheric motions and circulation, the role of aerosols and minor constituents, such as water vapour, carbon dioxide and ozone, in determining climate, and the impact on the environment of anthropogenic actions.

assessment: written exam, marked assignments

PHYSICS 7004

Advanced Electromagnetism (6080)

2.5 units semester 1 or 2

Boundary value problems, with applications to electrostatics and magnetostatics, time varying fields, and radiating systems.

assessment: written exam, marked assignments

PHYSICS 7005

Atomic and Molecular Physics (5019)

2.5 units semester 1 or 2

A review of atomic structure theory. The dynamics and spectra of small molecules.

assessment: written exam, marked assignments

PHYSICS 7006

Cosmology (4928)

2.5 units 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

PHYSICS 7007

Experimental Methods (2255)

2.5 units semester 1 or 2

An introduction to statistical and Fourier techniques, with applications to experimental design and data analysis.

assessment: written exam, marked assignments

PHYSICS 7008

Gauge Theory (4578)

2.5 units 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

PHYSICS 7009

General Relativity (3927)

2.5 units 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

PHYSICS 7010

Laser Physics and Non-Linear Optics (4476)

2.5 units semester 1 or 2

A review of laser physics and an introduction to non-linear optical phenomena with applications.

assessment: written exam, marked assignments

PHYSICS 7011

Nuclear and Radiation Physics (9036)

2.5 units 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

PHYSICS 7012

Nuclear Theory and Particle Physics (3907)

2.5 units semester 1 or 2

A discussion of local gauge theories and particularly quantum chromodynamics, with applications.

assessment: written exam, marked assignments

PHYSICS 7013

Quantum Field Theory (5156)

2.5 units 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

PHYSICS 7014

Relativistic Quantum Mechanics and Particle Physics (3681)

2.5 units semester 1 or 2

Relativistic wave equations, including Dirac equations, spinors, and introduction to field quantisation.

assessment: written exam, marked assignments

PHYSICS 7015

Statistical Mechanics and Many Body Theory (5938)

2.5 units 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.

PHYSICS 7016

Research Project (M.Sc.Physics) (8156)

12 units semester 1 or 2

Supervised research project, usually in the same area as the advanced topic selected for Advanced Topic in Physics (below).

assessment: research project, report and seminar

PHYSICS 7017

Advanced Topic in Physics (9517)

8 units 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

Master of Science (Medical Physics)

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

Specific Academic Program Rules

1 Duration of program

Except with the permission of the Faculty of Science, the courses 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.

2 Admission

An applicant for admission to the Master of Science (Medical Physics) shall

- 2.1 (a) have qualified for an Honours degree of Bachelor of Science in Physics of Adelaide University or of another institution accepted for the purpose by the University
- (b) have qualified for an Ordinary degree of Bachelor of Science of Adelaide University, or another institution accepted by the University for the purpose, with a major sequence in Physics and have appropriate practical experience.
- 2.2 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 program of study and pass a qualifying examination of honours standard.
- 2.3 The Faculty, 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 2.1 above, but who has given satisfactory evidence of their fitness to undertake work for the degree.

3 Enrolment

- 3.1 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.

- 3.2 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 1 will be adjusted accordingly by adding the length of the intermission

4 Assessment and examinations

4.1 Review of academic progress

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.

- 4.2 On completion of the thesis the candidate shall lodge with 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.
- 4.3 The Faculty shall appoint two examiners for the thesis, not less than one of whom shall be external to the University.
- 4.4 There shall be four classifications of pass in any course for the degree: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass.
- 4.5 The Faculty may grant status in courses for Honours or postgraduate study undertaken in another program in the University or in another university or tertiary institution.
- 4.6 A candidate's enrolment in courses 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.
- 4.7 The examiners appointed under 4.3 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.

5 **Qualification requirements**

5.1 To qualify for the degree a candidate shall:

- (a) satisfy examiners in courses of study as prescribed in the Specific Academic Program Rules *and*
- (b) present a satisfactory thesis on a subject approved by the Faculty. The thesis shall give the results of original research or of an investigation on which the candidate has been engaged.

5.2 **Academic program**

Unless exempted therefrom by the Faculty every candidate for the degree shall complete work to the value of 36 units comprising the following components:

- (a) Coursework, comprising the following compulsory courses to the value of 8 units:
PHYSICS 7018 Radiation Biology, Protection and Epidemiology *and*
Biological Science 101
(taught by University of South Australia)
- (b) Coursework comprising one of the following optional courses to the value of 4 units:
PHYSICS 7019 Environmental and Mining Health Physics
PHYSICS 7020 Radiology Physics
PHYSICS 7021 Radiotherapy 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 units.

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

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

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 course may be done externally by approval of the Head of Department.

The degree involves close cooperation with the Royal Adelaide Hospital. Some coursework courses may not be offered every year. The specialised units may be offered with the assistance of visiting lecturers.

The following lecture courses are offered on the World Wide Web:

PHYSICS 7011 Nuclear and Radiation Physics:
www.physics.adelaide.edu.au/medical/NRP.html

PHYSICS 7018 Radiation Biology, Protection and Epidemiology:
www.physics.adelaide.edu.au/medical/RBPE.html

PHYSICS 7021 Radiotherapy Physics:
www.physics.adelaide.edu.au/medical/RT.html

A password is required in each case.

It is envisaged that the degree can be completed in three semesters of full-time study including a summer semester. A total of 36 units is required to complete the degree. Three courses to a total of 12 units 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 9036 Nuclear and Radiation Physics is required. It may be taken separately. An advanced laboratory course such as Experimental Physics III is a prerequisite. Courses normally count 4 units, except for the Research Project, 24 units. Status may be given in courses taken previously up to 4 units.

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 semester.

textbooks

Reading lists are provided by the Department and on the web throughout the program.

assessment

Each course may be examined by written examination immediately after formal instruction has been completed and continuous assessment may be used. The research project is submitted to the Graduate Studies office and external examiners may be appointed.

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 courses

Anatomy and Physiology M

semester 2

Taught by University of South Australia, School of Pharmacy and Medical Laboratory Science as Biological Science 101. Students should enrol at the University of South Australia by cross-institution enrolment. Status will be given for similar courses taught interstate.

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

PHYSICS 7018

Radiation Biology, Protection and Epidemiology(3327)

semester 1

assumed knowledge: Nuclear and Radiation Physics

The aim of this on-line course is to provide an understanding of the effects of radiation in vivo, operational health physics, radiation protection and epidemiological methods appropriate for practice as a medical or health physicist. The reading-tutorial course consists of 25 topics covering various aspects of Radiation Biology, Protection and Epidemiology. Lecture notes are available on the internet. The weekly tutorials are also available on video. Topics include: radiation protection quantities, risk and exposure, radiation chemistry, biological effects of radiation on cells and tissues, dose fractionation, Linear Energy Transfer, Relative Biological Effectiveness, clinical radiobiology, sources of radiation, Radon-222 and its daughters, medical exposure, man made & industrial sources of radiation, Chernobyl, atomic bomb survivors, health effects of low levels of ionising radiation, early and late effects from high doses of radiation, shielding calculations in medical equipment installations, radiation safety in the laboratory and clinical environment, personnel protection and monitoring, radiation protection legislation, genetic effects and risks, introduction to epidemiology, association vs causation, non-ionising radiation risks and radiation epidemiology

assessment: assignments 40%, exam 60%

optional courses

PHYSICS 7019

Environmental and Mining Health Physics (2203)

semester 1 or 2

prerequisite: Nuclear and Radiation Physics or equivalent

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 40%, written exam 60%

PHYSICS 7020

Radiology Physics (1451)

semester 2

prerequisite: Nuclear and Radiation Physics or equivalent

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 (cineradiography, 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 40%, written exam 60%

PHYSICS 7021

Radiotherapy Physics (2013)

semester 1 or 2

prerequisite: Nuclear and Radiation Physics or equivalent

Radiation therapy involves the therapeutic use of controlled doses radiation for cancer treatment in hospitals. This reading-tutorial course consists of 24 topics covering various aspects of Radiotherapy Physics. Course notes are available via the internet and a list of recommended text books. Videos of the weekly tutorials may be available. Topics include: units and definitions of physical quantities used in radiotherapy, radiobiological basis for

radiotherapy, compartment analysis, measurement of radiation for radiotherapy, Bragg-Gray theory, absorbed dose measurements, depth-dose profiles, field correction factors, calibration of ionisation chambers for photon and electron beams, quality assurance protocols, treatment machines (linacs), treatment planning overview, beam data specification and acquisition, treatment planning: photons and electrons, single and multiple beams, conformal and intensity modulated RT, other beams: proton therapy, simulators and ancillary techniques, simulations, dosimetry and therapeutic techniques using unsealed sources, brachithery, shielding calculations in medical equipment installations..

assessment: assignments 40%, exam 60%

Master of Science in Petroleum Geology and Geophysics

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

Specific Academic Program Rules

1 Duration of program

Except with the permission of the Faculty of Science, the courses 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.

2 Admission

2.1 The Faculty 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 Adelaide University or of another university *or*
- (b) an Ordinary degree of Bachelor of Science of Adelaide University or another university with a major sequence of study in Geology or Geophysics, and appropriate practical experience.

2.2 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 2.1 above if it is satisfied that he or she is likely to be able satisfactorily to undertake work for the degree.

2.3 The Faculty may require a candidate to complete satisfactorily such additional work as it may prescribe.

3 Enrolment

3.1 A candidate who withdraws from all of the courses 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.

3.2 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 Assessment and examinations

4.1 Review of academic progress

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.

4.2 On completion of the thesis the candidate shall lodge with 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.

4.3 The Faculty shall appoint two examiners who are external to the University for each thesis.

4.4 There shall be the following classifications of pass in each course for the degree: First Class, Second Class Division A, Second Class Division B and Third Class.

4.5 The Faculty may grant status in either one or two courses for Honours or postgraduate study undertaken in another program in the University or in another university or tertiary institution.

4.6 A candidate's enrolment in courses of study must be approved by the Director of the National Centre for Petroleum Geology and Geophysics at enrolment each year.

4.7 The Faculty may require a candidate to undertake additional work needed as background to the compulsory courses.

4.8 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.

4.9 The examiners appointed under 4.3 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.

5 Qualification requirements

5.1 To qualify for the degree a candidate shall:

- (a) satisfy examiners in courses of study as prescribed in Specific Academic Program Rule 5.2
- (b) comply with conditions as prescribed in the Specific Academic Program Rules 4.7 and 4.8 *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.

5.2 Academic program

5.2.1 Every candidate for the degree shall complete the following components

- (a) Coursework, comprising the following compulsory courses:
 - PETROL 7000TB Petroleum Geology and Geophysics (B)
 - PETROL 7001TB Petroleum Geology and Geophysics (A)
- (b) Thesis on approved research project
- (c) Period of placement in industry.

5.2.2 The Faculty may exempt candidates from the specific 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 will undertake an extended research thesis.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

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. Full-time students undertake all their coursework during the first five 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 alternate 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 courses are the same as for entry as a candidate.

textbooks

Reading lists are provided by the Centre throughout the program.

assessment

Assessment of the courses 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.

PETROL 7000TB

Petroleum Geology and Geophysics (B) (4746)

PETROL 7001TB

Petroleum Geology and Geophysics (A) (5189)

The courses include general geological topics such as basin analysis, sedimentology, diagenesis, sequence stratigraphy and structure. Most of these courses 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 program. 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.

PETROL 7001TB Petroleum Geology and Geophysics (A) includes the mainly geological component of the coursework and PETROL 7000TB 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 course.

Master of Science (Reservoir Geoscience)

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

Specific Academic Program Rules

- 1** **Duration of program**
- Except with the permission of the Faculty of Science, the courses of study and the thesis shall be completed in not less than one year nor more than two years of full time study.
- 2** **Admission**
- 2.1** An applicant for admission to the Master of Science (Reservoir Geoscience) shall:
- have qualified for an Honours degree of Bachelor of Science with honours in Geology or Geophysics of Adelaide University or of another institution accepted for the purpose by the University *or*
 - have qualified for an Ordinary degree of Bachelor of Science of Adelaide University, or another institution accepted by the University for the purpose, with a major sequence of study in Geology or Geophysics, and appropriate practical experience.
- 2.2** 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 program of study and pass a qualifying examination of honours standard before enrolling for the degree.
- 2.3** The Faculty of Science, 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 2.1 above, but who has given satisfactory evidence of their fitness to undertake work for the degree.
- 3** **Enrolment**
- 3.1** A candidate who withdraws from all of the courses 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.
- 3.2** 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 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** **Assessment and examinations**
- 4.1** **Review of academic progress**
- 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
- 4.2** On completion of the thesis the candidate shall lodge with 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.
- 4.3** The Faculty shall appoint two examiners for the thesis, at least one of whom shall be external to the University.
- 4.4** There shall be the following classifications of pass in each course for the degree: First Class, Second Class Division A, Second Class Division B and Third Class.
- 4.5** 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.
- 4.6** 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.

- 4.7** The examiners appointed under 4.3 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.

5 Qualification requirements

- 5.1** 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 courses of study as prescribed in these Specific Academic Program Rules
 - (b) present a satisfactory thesis on a subject approved by the Faculty. The thesis shall give the results of original research or of an investigation on which the candidate has been engaged.

5.2 Academic program

- 5.2.1** Every candidate for the degree shall complete work to the value of 48 units comprising the following components:
- (a) Coursework comprising the following compulsory courses:
 - PETROL 7000TB Petroleum Geology and Geophysics (B)
 - PETROL 7001TB Petroleum Geology and Geophysics (A)
 - (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.
- 5.2.2** The Faculty 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.

Syllabuses

Please note: the number in brackets at the end of the course title is the old course code, provided for reference purposes only

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 Adelaide University 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. Program 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 courses are the same as for entry as a candidate.

textbooks

Reading lists are provided by the Centre throughout the program.

assessment

Assessment of the courses 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.

PETROL 7000TB

Petroleum Geology and Geophysics (B) (4746)

PETROL 7001TB

Petroleum Geology and Geophysics (A) (5189)

See Master of Science in Petroleum Geology and Geophysics for syllabus details

Professional and Continuing Education

Website: www.adelaide.edu.au/pce

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Postgraduate awards coordinated by Professional and Continuing Education

Graduate Certificate in Commercialisation

Graduate Diploma in Science and Technology Commercialisation

Master of Science and Technology Commercialisation

Graduate Certificate in Commercialisation

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

Specific Academic Program Rules

1 **Duration of Program**

Except with the special permission of the Faculty, the program for the Graduate Certificate shall be completed in two trimesters, or not more than four trimesters.

2 **Admission**

2.1 An applicant for admission to the program for the Graduate Certificate in Commercialisation shall have qualified for a degree of the University or another institution accepted by the University for the purpose as equivalent, shall have had at least 5 years approved professional work experience, and shall have demonstrated to the satisfaction of the University to have the capacity and experience to benefit from the program.

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 degree 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 degree.

2.3 **Status, exemption and credit transfer**

Candidates who have previously passed courses in postgraduate awards or equivalent in Adelaide University or another recognised university and who wish to count such courses towards the Graduate Certificate in Commercialisation may, on written application to the Faculty, be granted such status as the Faculty shall determine, to a maximum aggregate value of three (3) units.

2.4 **Articulation with other awards**

A candidate who has been admitted to the Graduate Certificate in Commercialisation and who subsequently satisfies the requirements for the Graduate Diploma in Science and Technology Commercialisation must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

3 **Assessment and examinations**

3.1 There shall be four classifications of pass in any course for the Graduate Certificate: Pass with High Distinction; Pass with Distinction; Pass with Credit; and Pass

- 3.2 (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 sit for examination shall be deemed to have failed the examination

4 **Qualification requirements**

4.1 To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, as follows:

4.2 **Academic program**

Creative and Innovative Management	3
Financing New Ventures	3
Legal Issues of the Commercialisation Process	3
Managing New Product Development and Production	3
Managing Risk	3
Marketing Technological Innovation	3
Strategic Analysis for Technology Commercialisation	3

Syllabuses

See Master of Science and Technology Commercialisation for syllabus details

Graduate Diploma in Science and Technology Commercialisation

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

Specific Academic Program Rules

1 Duration of Program

Except with the special permission of the Faculty, the program for the Graduate Diploma shall be completed in three trimesters, or not more than eight trimesters.

2 Admission

2.1 An applicant for admission to the program for the Graduate Diploma in Commercialisation shall have qualified for a degree of the University or another institution accepted by the University for the purpose as equivalent, shall have had at least 5 years approved professional work experience, and shall have demonstrated to the satisfaction of the University to have the capacity and experience to benefit from the program.

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 degree 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 degree.

2.3 Status, exemption and credit transfer

Candidates who have previously passed courses in post-graduate awards or equivalent in Adelaide University or another recognised university and who wish to count such courses towards the Graduate Diploma of Science and Technology Commercialisation may, on written application to the Faculty, be granted such status as the Faculty shall determine, to a maximum aggregate value of six (6) units.

2.4 Articulation with other awards

A candidate who has been admitted to the Graduate Diploma in Commercialisation and who subsequently satisfies the requirements for the Master in Science and Technology Commercialisation must surrender the Graduate Diploma before being admitted to the Master.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Graduate Diploma: Pass with High Distinction; Pass with Distinction; Pass with Credit; and Pass.

- 3.2 (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 sit for examination shall be deemed to have failed the examination.

4 Qualification requirements

4.1 To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

4.2 Academic program

Creative and Innovative Management	3
Financing New Ventures	3
Internationalisation of Technology	3
Legal Issues of the Commercialisation Process	3
Managing New Product Development and Production	3
Managing Risk	3
Marketing Technological Innovation	3
Strategic Analysis for Technology Commercialisation	3
Technology Management and Transfer	3

Syllabuses

See Master of Science and Technology Commercialisation for syllabus details

Master of Science and Technology Commercialisation

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

Specific Academic Program Rules

1 Duration of Program

Except with the special permission of the Faculty, the program for the Master degree shall be completed in three trimesters, or not more than 12 trimesters

2 Admission

2.1 An applicant for admission to the program for the Master of Science and Technology Commercialisation shall have qualified for a degree of the University or another institution accepted by the University for the purpose as equivalent, shall have had at least 5 years approved professional work experience, and shall have demonstrated to the satisfaction of the University to have the capacity and experience to benefit from the program.

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 degree 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 degree.

2.3 Status, exemption and credit transfer

Candidates who have previously passed courses in post-graduate awards or equivalent in Adelaide University or another recognised university and who wish to count such courses towards the Master of Science and Technology Commercialisation may, on written application to the Faculty, be granted such status as the Faculty shall determine, to a maximum aggregate value of six (6) units.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Master degree: Pass with High Distinction; Pass with Distinction; Pass with Credit; and Pass.

- 3.2 (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 sit for examination shall be deemed to have failed the examination.

4 Qualification requirements

4.1 To qualify for the Master degree, a candidate shall satisfactorily complete all 12 courses, as follows:

4.1.1 Academic program

Global Courses

Converting Technology to Wealth	3
Technology Enterprise Design and Implementation	3
The Art and Science of Market-Driven Entrepreneurship	3

Non-Global Courses

Creative and Innovative Management	3
Financing New Venture	3
Internationalisation of Technology	3
Legal Issues of the Commercialisation Process	3
Managing New Product Development and Production	3
Managing Risk	3
Marketing Technological Innovation	3
Strategic Analysis for Technology Commercialisation	3
Technology Management and Transfer	3

Syllabuses

Converting Technology to Wealth

3 units

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 units

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 units

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 units

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 units

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 New Product Development and Production

3 units

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.

Managing Risk

3 units

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.

Marketing Technological Innovation

3 units

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 units

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 units

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

3 units

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 units

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.

Graduate Studies

Website: www.adelaide.edu.au/Graduate_Studies

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THE HISTORY OF THE UNITED STATES

The history of the United States is a complex and multifaceted story that spans centuries. It begins with the early Native American civilizations, such as the Mayans, Aztecs, and Incas, who built sophisticated societies in the Americas. The arrival of European explorers in the late 15th century marked the beginning of a new era, as they sought to establish trade routes and colonies. The United States was founded in 1776, and its history is characterized by a series of events, including the American Revolution, the Civil War, and the rise of the industrial revolution. The country has grown from a small, sparsely populated nation to a global superpower, and its history continues to shape the world today.

Doctor of Philosophy

Specific Academic Program Rules

- 1 There shall be a degree of Doctor of Philosophy.

Rules

- 2.1 The Vice-Chancellor, with authority devolved to her/him by Council, and after receipt of advice from the Board of Research Education and Development, shall from time to time prescribe Rules defining the academic standing required for candidature, eligibility for enrolment, the program of study and research for the degree, the condition of candidature and the assessment for the degree.
- 2.2 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 Research Education and Development may from time to time approve guidelines on any matters included in these Rules and may authorise the Academic Director Research Education Policy or the Manager, Administrative Services, to act in accordance with such guidelines without reference to the Board in each case.

Academic standing

- 4.1 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 Adelaide University or the equivalent thereof[#]. Applications from students with other qualifications will require the approval of the Board of Research Education and Development.
- ([#] Where a Master's degree is presented as a qualification for admission to a PhD program, the Master's degree must contain a research component deemed appropriate by the Board of Research Education and Development. A Master's degree which contains only coursework will not be accepted for this purpose).
- 4.2 A person who holds a degree of another university may be accepted as a candidate provided that the program of study undertaken and the academic standard reached are equivalent to those required of a candidate who is a graduate of Adelaide University.
- 4.3 The Board may accept as a candidate a graduate who does not qualify under Rules 4.1 or 4.2 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.

Credit for work previously completed

- 5.1 The Board may grant credit in the program for the degree of Doctor of Philosophy for research undertaken in another program in the University or in another university or tertiary institution.
- 5.2 In consideration for acceptance under Rule 5.1, The Board must be satisfied that (a) the person is of such academic standing as would be required of other candidates for the degree and (b) the person's progress so far has been satisfactory.

Eligibility for enrolment as a candidate for PhD by publication

- 6.1 The Board may accept as a candidate for the degree a person who is seeking enrolment as a candidate for PhD by publication provided it is satisfied that the person
- (a) is of such academic standing as would be required of other candidates for the degree
 - (b) has written certification from the relevant Executive Dean that the person has completed a substantial body of published research
 - (c) is a graduate of five years standing
 - (d) does not already hold a degree of Doctor of Philosophy *and*
 - (e) is an employee of the University, or is a clinical, affiliate or adjunct title holder, or is an employee of an organisation approved for the purpose of conferment of these titles.
- 6.2 The Board may also accept as a candidate a former employee (as defined under 6.1(e)) who has left the employ of the University or affiliated organisation for not more than two years from the date of departure provided it is satisfied that Rules 6(a) to (e) have been met.

Enrolment

- 7 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 school/department responsible for the supervision of the candidate's work

- (b) in the case of a person granted credit under Rule 5.1, 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

8

A candidate may proceed to the degree by full-time study or, if the head of the school/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) in the case of a candidate granted credit under Rule 5.1 the candidature shall normally expire
- (i) in the case of a full-time candidate, not less than one year and not more than four years from the date the candidate commenced work in the other program *or*
- (ii) in the case of a half-time candidate, not less than two years and not more than eight years from the date the candidate commenced work in the other program
- (d) in the case of a person accepted under Rule 6, a minimum of six months and a maximum of twelve months from the date of commencement of candidature.

The approval of the Board is required for any different expiry date

Work for the degree

9.1 A candidate shall pursue an approved program 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 school/department of the University in which the candidate is enrolled.

9.2 In the case of a candidate accepted under Rule 6:

- (i) the University shall appoint a supervisor who shall be a member of the academic staff of the school/department of the University in which the candidate is enrolled
- (ii) the candidate shall prepare a thesis which comprises a portfolio of publications which have been subject to peer review. Such publications must not have been

accepted for any other university award. The thesis shall also contain a contextual statement including a literature review, linkages between publications and a conclusion showing the overall significance of the work

- (iii) if multi-authored publications are included, the candidate shall submit a signed written statement setting out the candidate's contribution to each of the publications included in the thesis
- (iv) the candidate shall present the context and importance of the research at a school/departmental seminar
- (v) the head of school/department shall certify that the thesis is worthy of examination.

Required program of activities at the commencement of candidature

- 10.1 Each candidate (including those on remote candidature) shall complete a structured program of activities within the first twelve months from commencement of candidature.
- 10.2 Continuation of the candidate's enrolment is conditional upon the completion of the activities to the satisfaction of the school/department concerned.
- 10.3 Such activities will be determined by the school/department in which the candidate is enrolled. They will include the completion and the presentation of a research proposal, and other programs or skills training deemed necessary by the school/department concerned.
- 10.4 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.
- 10.5 A candidate who has completed the first year of a Master's program by research and who is 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.
- 10.6 A candidate accepted under Rule 6 is also deemed to have completed this structured program of activities.

Remote candidature

- 11.1 Enrolment as a remote candidate may be permitted on the conditions that the school/department concerned can ensure, and the Board of Research Education and Development is satisfied, that appropriate external supervision, with appropriate affiliation, and facilities are available.
- 11.2 A remote candidate may be required to complete a period of residence in Adelaide University as determined by the Board of Research Education and Development in consultation with the school/department concerned.

- 11.3** In accordance with Rule 8, a remote candidate may proceed to the degree either by full-time or half-time study.
- 11.4** On the recommendation of the school/department, the Board at any time may permit an enrolled student to enrol as a remote candidate subject to the conditions specified in 11.1, 11.2 and 11.3 above.
- 11.5** A remote candidate may be permitted to convert to the normal Ph.D. program and shall be subject to the conditions normally applied.
- 11.6** Notwithstanding Rules 11.1 to 11.4 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

- 12.1** The Board may review the progress of a candidate at any time during the program of candidature and, if the candidate's progress is unsatisfactory, may terminate the candidature.
- 12.2** A formal review of a candidate's progress shall be conducted by the school/department at least once a year in accordance with guidelines determined by the Board of Research Education and Development 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 Manager, Administrative Services, by no later than the end of October each year. A candidate's re-enrolment in the following year is conditional upon his/her having attained satisfactory progress in the year of review.
- 12.3** In the case of a candidate accepted under Rule 6, the candidate's submission of the thesis for examination is conditional upon the candidate attaining satisfactory progress in the year of review.

Absence from the university

- 13** Except for remote candidates and candidates accepted under Rule 6, the Board, on the recommendation of the school/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

- 14** 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 8 will be adjusted accordingly by adding the length of the intermission.

Extension of candidature

- 15** A candidate may be granted by the Board one extension of candidature only of twelve months beyond the maximum period specified in Rule 8. If the thesis has not been submitted by the end of the extended period the candidature will lapse.

Completion of thesis outside the university

- 16** Except for candidates admitted under Rule 6, 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 a permission is granted the candidate will be allowed either twelve months or until the end of candidature, 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

- 17.1** 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 Manager, Administrative Services. The thesis will only be accepted if the school/department certifies that it is satisfactory to that school/department. Any submission after the two year period shall be considered on a case by case basis by the Board of Research Education and Development in consultation with the relevant school/department.
- 17.2** Approval of the Board is required for the resumption of a lapsed candidature under any other conditions.
- 17.3** In special circumstances the Board may approve the resumption of a lapsed candidature for one period of up to six months (whether full- or half-time) prior to the submission of the completed thesis.

Intention to submit thesis

- 18** A candidate shall notify the Manager, Administrative Services, in writing, approximately three months before he or she expects to submit the thesis required under Rule 19. A summary of the thesis, together with the proposed thesis title, shall be submitted at the same time.

Submission of thesis

- 19.1 On completion of the approved program 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.
- 19.2 In the case of a candidate accepted under Rule 6, the candidate shall, at the end of the one year candidature, submit a thesis in accordance with the conditions in Rule 9.2.
- 19.3 The thesis and any other material submitted shall be assessed by examiners external to the University.
- 19.4 No thesis, material or publications presented for any other degree within this or any other institution shall be so submitted.
- 19.5 The Board shall prescribe the form in which the thesis shall be submitted and the number of copies to be submitted.

Appointment of examiners

- 20.1 Candidates shall have the right to submit objections to the appointment of potential examiners. Any such objections should be submitted to the Manager, Administrative Services, at the same time as the notification of intention to submit required under Rule 18. Such objections do not serve as a veto.
- 20.2 The Board shall appoint two examiners who are external to the University, taking account of any objections raised under Rule 20.1 and the recommendations of the head of the relevant school/department.
- 20.3 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 22.
- 20.4 After consideration of the reports of the examiners, the Board may appoint a third external examiner and/or an external arbitrator.

The thesis

- 21 The thesis submitted 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

- 22 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 *or*
- (h) for candidates accepted under Rule 6 any amendments under 22(b), (c) or (d) shall be confined to contextual statements referred to in Rule 9.2(ii).

Deposit of thesis in the library

- 23 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

- 24 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 23 shall make a written application to the Manager, Administrative Services, at the same time as he or she notifies his or her intention to submit under Rule 18. The withholding of such permission and the period of time involved shall be determined by the Board.

General

- 26 When, in the opinion of the Board of Research Education and Development, special circumstances exist, the Board, on the recommendation of the relevant school/department in each case, may vary any of the provisions in Rules 1-24 above.

Higher Degrees by Research

Introduction

This document must be read in conjunction with the:

- (a) Academic Program Rules and Specific Academic Program Rules for the relevant degree/s which are published in Volume II of the University Handbook and
- (b) Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees, published by 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 Adelaide University. 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 Research Education and Development, 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 program in Adelaide University, 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 programs 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 programs 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 Research Education and Development on a case by case basis. A period of residence at Adelaide University may be required. The Head of Department must ensure that appropriate external supervision and facilities are available before recommending to the Board of Research Education and

Development that a student be permitted to enrol in the Remote Program.

If the status of candidature is to be full-time, the Board of Research Education and Development 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 Research Education and Development.

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. Adelaide University 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.

This national collaborative program is establishing a distributed database of digital versions of theses produced by postgraduate research students at Australian universities. Adelaide University is a member of this program.

Adelaide University postgraduate research students are encouraged to deposit a digital copy of their PhD or research Master thesis in addition to the required printed copies. The following are general guidelines, but consultation with the Librarian may be required:

- (a) the thesis must have been officially approved by Adelaide University for the award of the degree before it can be deposited
- (b) the standard document format required is PDF
- (c) the digital version must be a direct equivalent of the copy of the thesis approved by the University for the award of the degree
- (d) the author retains copyright. However, it is advisable for the author to inform his/her supervisor(s) of his/her intention to deposit a copy of his/her thesis to the ADT program
- (e) access to deposited theses may be restricted for a defined period if the thesis is embargoed under the provisions of The Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees.

Theses are accessible through Adelaide University Library's web pages, the Library's web catalogue, a national database of Australian theses and also through web search engines. Further information and deposit instructions are on the Library's web site at:

www.library.adelaide.edu.au/gen/theses/adt/

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 (unless the student is enrolled under Rule 6.1) 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 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.

Index of Courses

Note: where there are multiple course references, the page/s which contains a full course description is printed in bold (except where each entry is detailed).

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Note: where there are multiple course references, the page/s which contains a full course description is printed in bold (except where each entry is detailed).

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Note: where there are multiple course references, the page/s which contains a full course description is printed in bold (except where each entry is detailed).

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