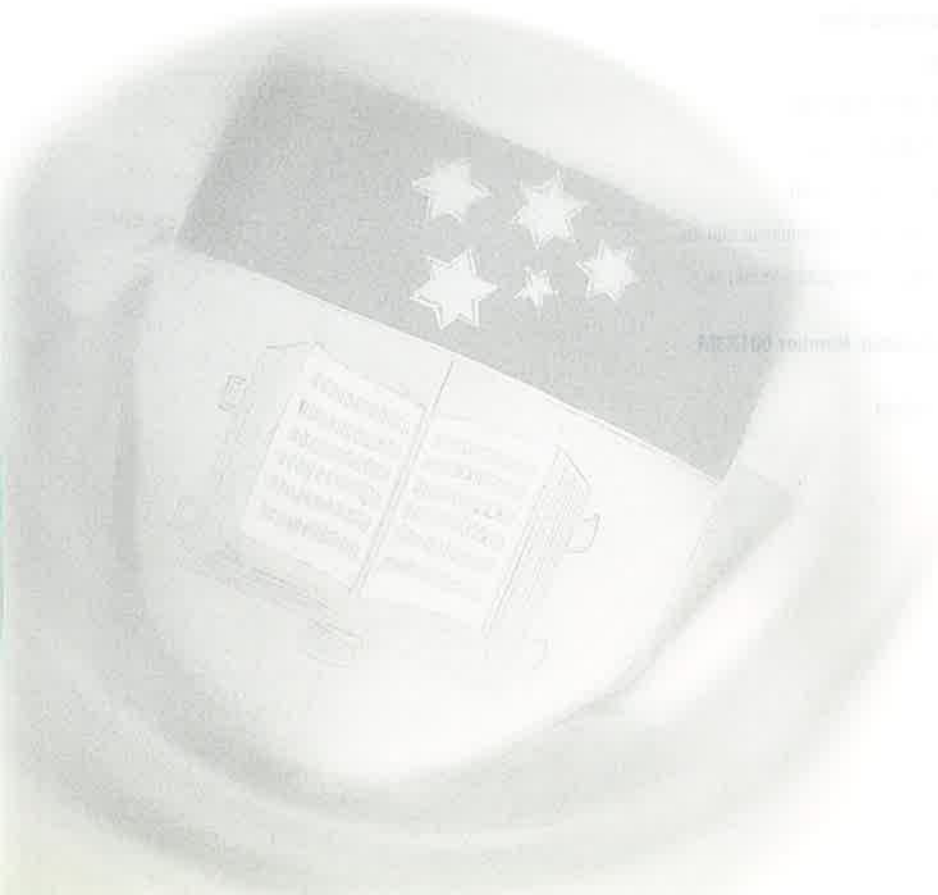
THE UNIVERSITY OF ADELAIDE AUSTRALIA

SUB CRUCE LUMEN

calendar2003

>>>>>>>>>> HANDBOOK OF **POSTGRADUATE** PROGRAMS



Address for Correspondence

Correspondence about academic programs, related matters (eg, admission, examinations, scholarships and prizes) and educational matters generally to:

The Executive Director, Student and Staff Services

Correspondence about financial matters, and matters relating to buildings and grounds to:

The Executive Director, Finance and Infrastructure

Correspondence about personnel matters and staff appointments to:

The General Manager, Human Resources

The University's postal address is:

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South Australia 5005

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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'

Contents

The information in this volume is accurate as at 31 October 2002

School of Commerce

Dental School

School of Economics

Graduate School of Education

Faculty of Engineering, Computer and Mathematical Sciences

Faculty of Humanities and Social Sciences

School of Law

Medical School

Elder School of Music

Faculty of Sciences

Professional and Continuing Education

Adelaide Graduate Centre

Website: www.adelaide.edu.au/graduatecentre

Contents

Doctor of Philosophy

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 Dean of Graduate Studies or the Manager, Graduate Administration and Scholarships, 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 the University of Adelaide 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 the University of Adelaide.

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 The Board may also grant credit for research undertaken in an organisation other than a University or tertiary institution.

5.3 In consideration for acceptance under Rules 5.1 or 5.2, 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 and the research for which credit is granted is of a satisfactory standard

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 on the basis of existing publications 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.

6.3 A candidate who wishes to present publications generated during candidature as the basis of the award of the degree may do so as described under 20.3.

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 University and 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

(c) In the case of a person granted credit under Rule 5.2, at least two years of full-time study and research, or its equivalent, will 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 candidate granted credit under Rule 5.2 the candidature shall normally expire

(i) in the case of a full-time candidate, not less than two years and not more than four years from the date the candidate commenced work under the control of the University *or*

(ii) in the case of a half-time candidate, not less than four years and not more than eight years from the date the candidate commences work under the control of the University.

(e) 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 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 supervisors who are members 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 but excluding those enrolled under Rule 6) will be enrolled on a provisional basis for the first twelve months of the degree.

10.2 Continuation of enrolment at the end of this period will depend on overall academic progress and the completion of set activities to the satisfaction of the school/department concerned. These activities will form part of a

Structured Program of activities extending through the candidature.

10.3 Such activities will be determined by the school/department through which the candidate is enrolled and in the first year will include the completion and presentation of the research proposal and other programs and skills training deemed necessary by the school/department.

10.4 The research proposal will be agreed and submitted to the Adelaide Graduate Centre preferably within three, but no later than six months from the commencement of candidature.

10.5 A major review of progress after twelve months will recommend confirmation of candidature, termination, or the extension of provisional status. In the case of extension, a further review after a clearly defined period, normally three but not in excess of six months, would form the basis for confirmation or termination or change to a Masters enrolment.

10.6 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 the core component of the Structured Program of activities and the transfer will confirm candidature in the PhD.

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 the University of Adelaide 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 Not withstanding 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.

Joint Candidature

12.1 Enrolment as a joint candidate may be permitted where a program of cooperation has been formally agreed between the University of Adelaide and another institution for jointly awarded degrees.

12.2 When it is proposed that the candidate spend the majority of candidature away from Adelaide, the Board of Research Education and Development must approve conditions as in 11.1.

12.3 Upon successful completion of the work for the degree, the badges of both institutions may appear on the parchment awarded.

Review of Academic Progress

13.1 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.

13.2 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.

13.3 The first formal review and confirmation of candidature will occur twelve months after enrolment (see 10.2 above). Subsequent reviews will occur around October each year with written reports forwarded to the Dean of Graduate Studies. A candidate's re-enrolment in the following year is conditional upon satisfactory progress in the year of the review.

13.4 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

14 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 under special circumstances during provisional candidature.

Leave of absence

15 A candidate whose work is interrupted for a period of time may be granted a leave of absence by the Board of up to 12 months. 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 leave of absence.

Extension of candidature

16 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

17 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

18.1 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, Graduate Administration and Scholarships. 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.

18.2 Approval of the Board is required for the resumption of a lapsed candidature under any other conditions.

18.3 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

19 A candidate shall notify the Manager, Graduate Administration and Scholarships, in writing, approximately three months before he or she expects to submit the thesis required under Rule 20. A summary of the thesis, together with the proposed thesis title, shall be submitted at the same time.

Submission of thesis

20.1 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.

20.2 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.

20.3 The thesis may comprise a portfolio of scholarly articles published during candidature. The format shall be in accordance with Rules 9.2 (ii) to 9.2 (v).

20.4 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.

20.5 The thesis and any other material submitted shall be assessed by examiners external to the University.

20.6 No thesis, material or publications presented for any other degree within this or any other institution shall be so submitted.

20.7 The Board shall prescribe the form in which the thesis shall be submitted and the number of copies to be submitted.

Appointment of examiners

21.1 Candidates shall have the right to submit objections to the appointment of potential examiners. Any such objections should be submitted to the Manager, Graduate Administration and Scholarships, at the same time as the notification of intention to submit required under Rule 19. Such objections do not serve as a veto.

21.2 The Board shall appoint two examiners who are external to the University, taking account of any objections raised under Rule 21.1 and the recommendations of the head of the relevant school/department.

21.3 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.

21.4 After consideration of the reports of the examiners, the Board may appoint a third external examiner and/or an external arbitrator.

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 photocopied when it is deposited in the Library under Rule 23 shall make a written application to the Manager, Graduate Administration and Scholarships, at the same time as he or she notifies his or her intention to submit under Rule 19. The withholding of such permission and the period of time involved shall be determined by the Board.

General

25 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 for the relevant degree/s which are published in Volume II of the University Calendar *and*

(b) Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees, published by the Adelaide Graduate Centre.

These documents explain procedures to be followed and contain guidelines on supervision and research for the degree of Doctor of Philosophy and the various Masters degrees by research offered by the University of Adelaide. These degrees are awarded mainly on the successful examination of a thesis prepared by the student under supervision and embodying the results of a period of research. (Faculties may also apply these guidelines to the research components of those Masters degrees which have an advanced study or coursework component and a research component.)

These documents are intended for use by supervisors and students throughout the period of candidature and will be a useful reference for intending students, Heads of Departments and Postgraduate Coordinators.

1 The enrolment process

1.1 The decision to enrol

Several factors must be taken into account by a potential student and the Head of the relevant Department before a decision is made about enrolling in a higher degree.

(a) Academic

In general, it is necessary for the potential student to have qualified for an Australian university honours degree (first or second class) or its equivalent, or higher.

(b) Finance

The degree of Doctor of Philosophy and some Masters degrees can be completed on a half-time basis, so that it is possible for students, in some instances, to be self-supporting from sources other than scholarships while enrolled. The University and the Commonwealth Government each offers a limited number of postgraduate scholarships annually almost exclusively to full-time students. Details of the scholarships available may be obtained from the Adelaide Graduate Centre.

Departments receive funding which is based (in part) on the number of postgraduate students enrolled in the Department, and the Department is expected to provide adequate 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 research topic and supervisors

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 supervisors to be appointed to guide the student in the research. Since it is important that the supervisors are active in the general area of research which is chosen, it is clear that the choice of the research topic and supervisors 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 compulsory Induction Program organised by the Adelaide Graduate Centre.

Enrolment 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 the University of Adelaide, an enrolment form will NOT be issued if the applicant has outstanding financial or other obligation(s) with the University. If you are in such a position, please contact the Student Centre for further details. Completed forms must be returned before the date on which work commences for the degree.

2 The Structured program

Each student commencing a PhD is required to complete a Structured Program. The program comprises a Core Component to be completed within six months from the commencement of candidature (or part time equivalent) and a Development Component that extends for the duration of candidature. The Core Component involves at a minimum the completion and presentation of a detailed research proposal at a departmental seminar, participation in a department/school induction and regular attendance of the departmental seminar program. Students will be required to complete and submit the Completion of the Core Component of the Structured Program form to the Adelaide Graduate Centre upon completion of the Core Component.

The focus of the Development Component is on acquiring professional and transferable skills that will facilitate the student's transition to a range of work environments. Participation in Development Component activities will be monitored as part of the Annual Review of Progress.

2.1 The Integrated Bridging Program (IBP) for international research students

Where applicable, international students, who have not been granted an exemption, are required to complete the Integrated Bridging Program as part of the Core Component of the Structured Program. The IBP is an innovative and successful 12-week program to help international research students gain access quickly and effectively to the academic, linguistic and cultural conventions of postgraduate study in their departments within the University of Adelaide. It usually focuses on supporting students in the production of a literature review and a research proposal, presented both as an oral presentation and as a written document. On arrival, all international research students should contact the IBP staff in the Adelaide Graduate Centre to discuss how the program can best contribute to supporting their progress.

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 the University of Adelaide may be required. The Head of Department must ensure that appropriate external supervision and facilities are available before recommending to the Board of 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. The University of Adelaide will at all times retain the ultimate authority over all matters pertaining to the student's candidature, the process of examination of the thesis and the award of the degree of Doctor of Philosophy.

4 Intellectual property

In instances where a student and supervisor identify a general area of research in a commercially sensitive area, the student must sign a Student Project Participation Agreement (SPPA) with the University at the time of enrolment or as soon as possible thereafter.

If a potential student is an employee of another organisation, a formal agreement must be reached

between, the University and the student's employer with respect to the ownership of any intellectual property arising from the research, preferably prior to enrolment.

The SPPA or any agreement between the University and a student's employer must be signed before the completion of the Core Component of the structured program.

5 Further information

Intending students requiring further information are requested to contact the Adelaide Graduate 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. Research Education Development Programs run seminars and workshops on thesis writing.

This national collaborative program has established a distributed database of digital versions of theses produced by postgraduate research students at Australian universities. The University of Adelaide is a member of this program.

University of Adelaide 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 the University of Adelaide 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 the University of Adelaide 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 thesis should incorporate in the following order:

(a) a title page giving the title of the thesis in full, the name of the student, the name of the Department(s) of the University associated with the work and the date (month and year) when submitted for the degree. There is a limitation of 160 spaces and characters in the title of the thesis. You should ensure, therefore, that your thesis title does not exceed that limit

(b) a table of contents

(c) an abstract of the thesis in not more than three hundred and fifty words

(d) a signed statement to the effect that:

- the thesis contains no material which has been accepted for the award of any other degree or diploma in any university and that, to the best of the student's knowledge and belief, the thesis contains no material previously published or written by another person, except where due reference is made in the text of the thesis and
- the author consents to the thesis being made available for photocopying and loan if accepted for the award of the degree.

This statement should be included on the same page as the statement regarding originality (see sample below). If the student has any objections to including such a statement, the student must apply to the Adelaide Graduate Centre, 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).

1.1.1 PhD by publication

In accordance with the Academic Program Rules for the PhD, the thesis may comprise a portfolio of scholarly articles. The format shall be in accordance with Rules 9.2 (II) to 9.2 (V).

2 Typing

A thesis should normally be produced on size A4 paper, in a clear and legible font (eg. Arial Narrow 12 or Times 12) 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(s)).

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.

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.

Adelaide Graduate School of Business

Website: www.agsb.adelaide.edu.au

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Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties.

2 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

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 a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years approved 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 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 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) 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.

(b) Supplementary examinations are allowable only in exceptional circumstances. A candidate must apply for special permission from the Dean. In the case of a supplementary examination being granted, the overall maximum grade achievable for the course is 50% Pass Division 2.

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

4.1.1 Core Courses

All candidates shall complete the following core courses:

MANAGEMT 7086 Fundamentals of Leadership	3
MANAGEMT 7100 Accounting for Managers	3
MANAGEMT 7104 Marketing Management	3

4.1.2 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.

4.2 Unacceptable combination 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Business Administration (Advanced) for syllabus details.

Graduate Diploma of Business Administration

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 a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years approved 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 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 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) 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.

(b) Supplementary examinations are allowable only in exceptional circumstances. A candidate must apply for special permission from the Dean. In the case of a supplementary examination being granted, the overall maximum grade achievable for the course is 50% Pass Division 2.

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:

MANAGEMT 7079 E-Business - New Dimensions	3
MANAGEMT 7086 Fundamentals of Leadership	3
MANAGEMT 7087 Managing Contemporary Organisations	3

MANAGEMT 7100 Accounting for Managers	3
MANAGEMT 7103 Managerial Economics	3
MANAGEMT 7104 Marketing Management	3

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.

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Business Administration (Advanced) for syllabus details.

Master of Business Administration

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 a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years approved 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 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 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) 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.

(b) Supplementary examinations are allowable only in exceptional circumstances. A candidate must apply for special permission from the Dean. In the case of a supplementary examination being granted, the overall maximum grade achievable for the course is 50% Pass Division 2.

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:

MANAGEMT 7079 E-Business - New Dimensions	3
MANAGEMT 7081 Global Business	3

MANAGEMT 7086 Fundamentals of Leadership	3
MANAGEMT 7087 Managing Contemporary Organisations	3
MANAGEMT 7088 Strategic Performance Drivers	3
MANAGEMT 7100 Accounting for Managers	3
MANAGEMT 7101 Managing for Value Creation	3
MANAGEMT 7102 Managing Technology Innovation	3
MANAGEMT 7103 Managerial Economics	3
MANAGEMT 7104 Marketing Management	3

4.1.2 Integrative Courses

All candidates shall complete the following integrative course:

MANAGEMT 7044 Strategic Management	3

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.

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Business Administration (Advanced) for syllabus details.

Master of Business Administration (Advanced)

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 a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years approved 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 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 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) 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.

(b) Supplementary examinations are allowable only in exceptional circumstances. A candidate must apply for special permission from the Dean. In the case of a supplementary examination being granted, the overall maximum grade achievable for the course is 50% Pass Division 2.

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:

MANAGEMT 7079 E-Business - New Dimensions	3
MANAGEMT 7081 Global Business	3

MANAGEMT 7086 Fundamentals of Leadership	3
MANAGEMT 7087 Managing Contemporary Organisations	3
MANAGEMT 7088 Strategic Performance Drivers	3
MANAGEMT 7100 Accounting for Managers	3
MANAGEMT 7101 Managing for Value Creation	3
MANAGEMT 7102 Managing Technology Innovation	3
MANAGEMT 7103 Managerial Economics	3
MANAGEMT 7104 Marketing Management	3

4.1.2 Integrative Courses

All candidates shall complete the following integrative courses:

MANAGEMT 7042 Corporate Strategy	3
MANAGEMT 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.

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

Compulsory core courses

MANAGEMT 7079
E-Business: New Dimensions

3 units trimester 1, 2 or 3

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

MANAGEMT 7081
Global Business

3 units trimester 1, 2 or 3

prerequisite: Accounting for Managers or Financial Accounting and Analysis, Marketing Management or Marketing Principles, and Managerial Economics or 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

MANAGEMT 7086
Fundamentals of Leadership

3 units trimester 1, 2 or 3

To achieve success in today's competitive environment it is essential that managers develop the ability to interact positively with others, whether they be employees, employers, colleagues, customers or suppliers. Strong interpersonal skills are also required if students are to maximise the benefits from their management studies. Positioned at the beginning of the MBA program, this course encourages students to explore issues and develop personal skills implicit in leadership. By exploring their self-perceptions, students will be well placed to broaden their understanding of others.

Upon completion, students will possess an understanding of the development of management thought and practice, providing a background against which new trends in management can be viewed. Students will be able to identify and discuss the major challenges facing management in today's environment, and, with heightened self-awareness, develop the understanding and communication skills required to effectively lead and manage a diverse workforce.

assessment: exam, written assignments, case study analyses, group or individual projects, class participation

MANAGEMT 7087
Managing Contemporary Organisations

3 units trimester 1, 2 or 3

prerequisite: 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: 1) 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; 2) Development and application of conceptual and clinical skills that are useful for the analysis of organisations and the resolution of their problems; 3) Provision of an overview and introduction to the various sub-fields of organisation and management theories. The specific areas to be covered are: motivation, workplace values, ethics and emotions; decision making; groups and teams; innovation and creativity; leadership; power and politics; organisational culture; organisational change; organisational structure and strategy; control and empowerment.

assessment: exam, written assignments, case study analyses, group and individual projects, class participation

MANAGEMT 7088
Strategic Performance Drivers

3 units trimester 1, 2 or 3

prerequisite: Fundamentals of Leadership, Managing Contemporary Organisations, Accounting for Managers, Managing for Value Creation, Managerial Economics, Marketing 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

MANAGEMT 7100
Accounting for Managers

3 units trimester 1, 2 or 3

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

MANAGEMT 7101
Managing for Value Creation

3 units trimester 1, 2 or 3

corequisite: 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

MANAGEMT 7102
Managing Technology Innovation

3 units trimester 1, 2 or 3

prerequisite: 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: 1) Identify that it is often 'good' rather than 'bad' management that leads companies to miss certain strategically critical innovations; 2) 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; 3) 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; 4) 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; 5) 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

MANAGEMT 7103
Managerial Economics

3 units trimester 1, 2 or 3

This course provides an introduction to economic thinking and its relevance and application to managing organises. 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

MANAGEMT 7104
Marketing Management (MBA)

3 units trimester 1, 2 or 3

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

MANAGEMT 7042
Corporate Strategy

3 units trimester 1, 2 or 3

prerequisite: all compulsory core courses in the MBA program plus Strategic Management

An integrated study of strategic decision making in organisations that builds on the concepts introduced in 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: exam, written assignments, case study analyses, group or individual projects, class participation

MANAGEMT 7044
Strategic Management (AGBS)

3 units trimester 1, 2 or 3

prerequisite: Fundamentals of Leadership, Managerial Economics or Economics for Managers, Accounting for Managers or Financial Accounting and Analysis, Marketing Management or Marketing Principles

corequisite: Managing Contemporary Organisations, Managing for Value Creation

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

MANAGEMT 7000
Entrepreneurship

3 units to be advised

prerequisite: Financial Accounting and Analysis or 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

MANAGEMT 7002
European Business Strategy

3 units to be advised

prerequisite: 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

MANAGEMT 7009
Public Sector Management

3 units not offered in 2003

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

MANAGEMT 7012
Business Process Management

3 units not offered in 2003

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

MANAGEMT 7013
Managerial Leadership

3 units to be advised

prerequisite: 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

MANAGEMT 7015
Managing Business in the Asia-Pacific

3 units to be advised

prerequisite: Strategic Management

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

MANAGEMT 7020
Interpersonal Skills

3 units to be advised

prerequisite: 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

MANAGEMT 7022
Business Law

3 units trimester 1, 2 or 3

This course will introduce managers to a range of legal issues that impact on their business and on their duties and responsibilities as managers. There is an increasing trend in the law to make managers personally liable for breaches of the law by their business. The course will help managers to identify areas of legal liability and risk and suggest how to minimise legal risk.

The topics covered in the course include an introduction to the Australian legal system, the law of business structures, contract law, intellectual property law, employment law, law of business torts, consumer protection law, competition law and electronic commerce law. In each topic, emphasis is placed on identifying the legal duties that apply to a manager and the legal liabilities that may be attracted by their actions

MANAGEMT 7025
Company Failure and Renewal

3 units trimester 1 or 2

prerequisite: 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

MANAGEMT 7033
The Learning Organisation

3 units to be advised

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

MANAGEMT 7039
Management of Change

3 units trimester 1, 2 or 3

prerequisite: Organisational Behaviour or Fundamentals of Leadership and Human Resource Management or 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

MANAGEMT 7040
Project Management (AGBS)

3 units trimester 1, 2 or 3

prerequisite: Financial Accounting and Analysis or Accounting for Managers, Managerial Finance or Managing for Value Creation, and Organisational Behaviour or 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 RandD 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

MANAGEMT 7041
International Marketing

3 units to be advised

prerequisite: Marketing Management

This course builds on 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

MANAGEMT 7045
Services Marketing

3 units to be advised

prerequisite: 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

MANAGEMT 7046
Negotiation Skills

3 units trimester 2 or 3

prerequisite: Organisational Behaviour or 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

MANAGEMT 7052
International Financial Management

3 units to be advised

prerequisite: 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

MANAGEMT 7059
Advanced Managerial Finance

3 units to be advised

prerequisite: Managerial Finance or 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

MANAGEMT 7064
Advanced Marketing

3 units to be advised

prerequisite: Marketing Management

This course builds on the knowledge of marketing theory and practice gained in 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

MANAGEMT 7072
Management Project

3 units trimester 1, 2, or 3

5 compulsory research methodology sessions

prerequisite: all compulsory core courses,plus the compulsory integrative courses Strategic Management and Corporate Strategy

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

MANAGEMT 7075
Advanced People Management Skills

3 units to be advised

prerequisite: an advantage to have completed Human Resource Management or 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

MANAGEMT 7077
Workplace Relations

3 units to be advised

prerequisite: Organisational Behaviour or Fundamentals of Leadership and Human Resource Management or 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

MANAGEMT 7078
Electronic Marketing

3 units to be advised

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.

Master of Business Administration (Infocomm Management)

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising four terms of full-time study or 8 terms 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 (Infocomm Management) shall have qualified for a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years' approved 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 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.

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 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 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) 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.

(b) Supplementary examinations are allowable only in exceptional circumstances. A candidate must apply for special permission from the Dean. In the case of a supplementary examination being granted, the overall maximum grade achievable for the course is 50% Pass Division 2.

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, totalling 30 units:

MANAGEMT 7089NA Economics for Infocomm Managers	3
MANAGEMT 7090NA Financing Infocomm Businesses	3
MANAGEMT 7091NA Infocomm Industry Policies	3
MANAGEMT 7092NA Managing Infocomm Firms	3
MANAGEMT 7093NA Global Business Marketing	3
MANAGEMT 7094NA Financial Control for Infocomm Managers	3
MANAGEMT 7095NA Leading Infocomm Firms	3
MANAGEMT 7096NA Infocomm Marketing Strategies	3
MANAGEMT 7097NA Strategic & Competitive Analysis	3
MANAGEMT 7098NA Strategic Decisions and Implementation	3

4.1.2 Elective courses

All candidates shall complete two (2) elective courses to the value of 6 points selected from the Master of Business Administration and/or Master of Business Administration (Advanced) programs.

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

MANAGEMT 7089NA
Economics for Infocomm Managers

3 units

This course introduces students to how economists tackle a range of issues which are relevant to infocom managers. Economics is often divided into streams of microeconomics, dealing with how markets work and the effects of government intervention in market processes, and macroeconomics, dealing with "big picture" issues such as national output and employment. We will be selecting issues important to the communication industries from both fields for your attention. Basic theoretical tools are introduced to deal with the issues being discussed. In the process, we explore a large number of economic concepts and analytical tools, and to the "language" of economists. Each topic in the course is motivated by a current issue in economic policy or business strategy, eg how to set prices in markets with a high degree of interaction between competitors, the role of the regulation, government tax and spending policies, and the impact of the industrial relations system.

MANAGEMT 7090NA
Financing Infocomm Businesses

3 units

One of the special challenges facing industry executives is the source of medium to long-term capital. This course will develop an understanding of the factors relevant to the capital structure decisions of information and communication businesses. Participants will develop a mature understanding of, and skills in, securities valuation, investment appraisal, decision-making tools, and multi-purpose risk-return models. On completing this course, participants will have developed approaches, which enable them to create value in their businesses.

MANAGEMT 7091NA
Infocomm Industry Policies

3 units

This course will provide a contextual background for the INFOCOMMM industry and deals in the first half with the impact of globalisation on public policy; issues of ownership autonomy and revenue; impact of convergent technologies; telecom market deregulation; the organisational challenges of privatisation; and competition, consumer protection and consumer choice.Thereafter the course examines the economic drivers of the global INFOCOMMM industry, the emerging structure of the industry, cost and price pressures within the industry, principles of technology management, and the practical problems of industry forecasting

MANAGEMT 7092NA
Managing Infocomm Firms

3 units

The course will provide participants with a sound foundation for managing a business or business unit in the new economy. It exposes participants to the nature of business, how business is influenced by environmental factors, and what basic business functions need to be effectively performed in order to compete in the market place. Participants will be given tools to set and measure business goals, as well as bench-marking techniques.

MANAGEMT 7093NA
Global Business Marketing

3 units

This course introduces participants to the contextual and functional elements of marketing in the information and communication industry. Participants will benefit from a clearer understanding of the use of marketing frameworks and their application and effectiveness in global information and communication markets. Traditional tools of marketing such as market targeting, product positioning, product development, pricing, market research and customer segmentation, take on unique dimensions in the information and communication industry environment. The course will expose managers to the unique marketing challenges, and response strategies of information and communication firms, whether they are service providers, IT specialists or carriers.

MANAGEMT 7094NA
Financial Control for Infocomm Managers

3 units

This course will equip students with the skills to analyse, interpret and use financial information to improve business outcomes. Upon completion, students will have a high comfort level in dealing with corporate financial statements, internal management reports, budgets, and other forms of financial information. On completing the course, participants will have the knowledge to better manage their own business units and corporations through having developed an understanding of financial and management accounting principles and issues.

MANAGEMT 7095NA
Leading Infocomm Firms

3 units

Leadership of information and communication firms demands special qualities, appropriate to the new economy. These leadership qualities are developed from careful analysis of the special characteristics of the information and communication industry, in conjunction with an understanding of leadership

theories, organisational culture, and the management of change processes. Participants in this course will also develop their understanding of the relationships between technology utilisation and human performance, recognising the uniqueness of virtual organisations and how human communications and group work in an organisational setting can be modified to the changing demands of technology.

MANAGEMT 7096NA
Infocomm Marketing Strategies

3 units

Upon completing this course, participants will have developed knowledge and understanding of marketing strategy particularly focussed on the information and communication industry's highly competitive and dynamic markets. The course will equip managers with the ability to invoke marketing strategies in such a way that all of the relevant resources and capabilities of the organisation are employed and aligned in support of the chosen strategic thrust. Building upon the concepts and theories of strategic and competitive analysis, participants will develop the ability to time, organise, and then direct marketing efforts deep into the competitive maelstrom of the global information and communication marketplaces.

MANAGEMT 7097NA
Strategic and Competitive Analysis

3 units

Participants will benefit from the opportunity to examine the broad view of competition in the information and communication sector, initially from study of the immediate competitive environment, but quickly moving to taking a "whole firm" perspective. They will develop an understanding of how decisions in each functional area can be managed to form a coherent business strategy. This course seeks to inculcate confidence in future managers to make decisions and take their business units and organisations forward, translating strategy into organisational action through individuals. The course is integrative, bringing together the disciplines of finance, economics, accounting, and organisational behaviour covered in earlier courses.

MANAGEMT 7098NA
Strategic Decisions and Implementation

3 units

This capstone course develops the ability to integrate the knowledge and skills gained in previous courses into an applied strategic decision-making framework at the corporate level. Upon completion of the course, participants will have knowledge of the issues arising from managing diversified organisations, growth through mergers and acquisitions, and the challenges and opportunities arising from strategic alliances in the global Information and communication industry. Participants will acquire knowledge and explore issues arising from transforming firms in the information and communication industry to take advantage of emerging business opportunities, particularly developing entrepreneurial behaviour in large organisations, and managing rapidly growing enterprises involved in cross-border marketplaces.

Doctor of Business Administration

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising a minimum of eight (8) terms of full-time study or twelve (12) terms of part-time study. Except with the permission of the Faculty, the requirements of the degree must be completed within six (6) years.

2 Admission

2.1 An applicant for admission to the academic program for the degree of Doctor of Business Administration shall have qualified for a Master of Business Administration degree, or a Master's degree, preferably in a business-related discipline, accepted by the Faculty for the purpose as equivalent, or an honours degree in a business-related discipline, or an honours degree in a suitable discipline accepted by the Faculty for the purpose as equivalent, plus have at least five (5) 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 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 doctoral level studies.

2.3.3 In any case, no candidate will be awarded more than 24 points of status.

3 Assessment and examinations

3.1 There shall be four classifications of pass in any course for the Doctor of Business Administration 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 the final examination or attempt the final assessment 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 the final examination or to attempt the final assessment shall be deemed to have failed the course.

3.3 Supplementary examinations are allowable only in exceptional circumstances. A candidate must apply for special permission from the Dean. In the case of a supplementary examination being granted, the overall maximum grade achievable for the course is 50% Pass Division 2.

4 Qualification requirements

4.1 Academic program

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 48 points, as follows:

MANAGEMT 7200 Organisations of the future	3
MANAGEMT 7201 Strategic Thinking in the Global Environment	3
MANAGEMT 7202 Frontiers of Professional Practice in Business/Management (1)	3
MANAGEMT 7203 Frontiers of Professional Practice in Business/Management (2)	3
MANAGEMT 7204 Research in the Organisation	3
MANAGEMT 7205 Research Methodology (1): Qualitative Research	3
MANAGEMT 7206 Research Methodology (2): Quantitative Research	3
MANAGEMT 7207 The Research Process	3
MANAGEMT 7208 Doctor of Business Administration Thesis	24

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

MANAGEMT 7200
The Organisation of the Future

This course would aim to consider a range of recent management theories and developments, their application in today's organisations and their implications for the managing in the future. Emphasis will be on the adoption of different theoretical perspectives in studying today's business organisations and the influences of these perspectives on management actions.

assessment: case analysis, group and individual workplace projects

MANAGEMT 7201
Strategic Thinking in the Global Environment

Designed to develop your knowledge of advanced tools for decision analysis, strategic thinking and subsequent implementation in the organisational context, this course will require you to think beyond your current boundaries and examine a range of scenarios for action. The course is taught in the context of a globalised economy characterised by high levels of interdependence.

MANAGEMT 7202
Frontiers of Professional Practice in Business (1)

MANAGEMT 7203
Frontiers of Professional Practice in Business (2)

The two 'Frontiers of Professional Practice' courses will provide you with an appreciation of current developments in several discipline areas. You will be encouraged to think across these disciplines and to explore the relevance of leading edge policy and practice to your managerial or professional role rather than restrict your thinking to your own area of expertise.

For the first course, the focus will be in the general management areas of organisational behaviour, human resource management, leadership, and entrepreneurship.

For the second course, the focus will be on other demanding areas of business such as finance, marketing, technology management and accounting.

MANAGEMT 7204
Research in the Organisation

The aim of this course is to provide an understanding of the contribution of research to organisations generally and particularly for policy development. It will explore the underlying value of the role of argument in the research context drawing on systems thinking. It will introduce an overall appreciation of different research methodologies: quantitative and qualitative, descriptive, explanatory, evaluative and scientific as well as various approaches including positivist, systems theory and post-modernist.

MANAGEMT 7205
Research Methodology (1): Qualitative Research

Focusing on providing knowledge and skills in collecting and analysing qualitative data, this course includes questionnaire/survey design and case study application to maximise the chances of good returns. Conducting interviews, taking field notes, and the use of software packages to assist in the organisation of qualitative data will briefly be covered.

MANAGEMT 7206
Research Methodology (2): Quantitative Research

This course will examine different research tools which can be utilised within the quantitative research paradigm including an understanding of the purpose of parametric and non-parametric statistical analysis, sampling and variation. Computer-based statistical packages will be introduced to familiarise you with up-to-date software for quantitative research.

MANAGEMT 7207
The Research Process

This course will explore research tools and techniques including the conduct of a literature search, the development of hypotheses or research questions, the drafting of a research proposal, and the preparation of a literature review.

MANAGEMT 7208
Doctor of Business Administration Thesis

The main objective of this course is to conduct independent inter-disciplinary research through which the doctoral candidate must demonstrate an original application of knowledge and skills, to understand and to help solve a complex decision-making problem. The student must write a thesis and successfully defend it at the end of the course, to earn the DBA degree.

School of Architecture, Landscape Architecture and Urban Design

Website: www.arch.adelaide.edu.au

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Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties.

2 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)

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

Note: Postgraduate tuition fees apply to this program.

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 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabus

See Master of Architecture (Digital Media) for details.

Graduate Certificate in Design Studies
Graduate Certificate in Design Studies (Landscape)
Graduate Diploma in Design Studies
Graduate Diploma in Design Studies (Landscape)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of programs

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

2.1 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.

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:

(a) the degree or Honours degree of Bachelor of Design Studies of the University of Adelaide *or*

(b) a Bachelor or Honours degree of the University of Adelaide or an equivalent award from another educational institution accepted by the University for that purpose, subject to the approval of the Dean of the School of Architecture, Landscape Architecture and Urban Design.

2.2 An applicant for admission to the program of study for the Graduate Diploma in Design Studies must have obtained:

(a) the Graduate Certificate in Design Studies of the University of Adelaide or an equivalent award from another educational institution accepted by the University for the purpose *or*

(b) the degree or Honours degree of Bachelor of Design Studies of the University of Adelaide *or*

(c) a Bachelor or Honours degree of the University of Adelaide or an equivalent award from another educational institution accepted by the University for that purpose, subject to the approval of the Dean of the School of Architecture, Landscape Architecture and Urban Design.

2.3 An applicant for admission to the program of study for the Graduate Diploma in Design Studies (Landscape) must have obtained:

(a) the Graduate Certificate in Design Studies (Landscape) of the University of Adelaide or an equivalent award from another educational institution accepted by the University for the purpose *or*

(b) the degree or Honours degree of Bachelor of Design Studies of the University of Adelaide *or*

(c) a Bachelor or Honours degree of the University of Adelaide or an equivalent award from another educational institution accepted by the University for that purpose, subject to the approval of the Dean of the School of Architecture, Landscape Architecture and Urban Design.

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 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 the University of Adelaide 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 the University of Adelaide 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 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 Academic program

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*	4
DESST 6002 Building Design Studio IV	4
DESST 6006 Special Topic (Design) IVB*	4
DESST 6009 Design and Environments IV	4
DESST 6013 Issues in Urban and Landscape Sustainability IV	4
DESST 6014 Design Communications IV	4
DESST 6015 Twentieth Century Architecture and Landscapes IV	4
DESST 6016 Technology in the Built Environment IV	4

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	4
DESST 6010 Special Topic (Landscape) IVB*	4
DESST 6011 Special Topic (Landscape) IVA*	4
DESST 6012 Landscape Design Studio IV	4
DESST 6013 Issues in Urban and Landscape Sustainability IV	4
DESST 6014 Design Communications IV	4
DESST 6015 Twentieth Century Architecture and Landscapes IV	4
DESST 6017 Natural Systems and Design IV	4

*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.

4.2 Unacceptable combination 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

DESST 6000
Special Topic (Design) IVA

4 units

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

up to 4 hours lectures/seminars/ studios per week, field study trips

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

assessment: assignments and projects

DESST 6002
Building Design Studio IV

4 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

4 units

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

up to 4 hours lectures/seminars/ studios per week, field study trips

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

assessment: assignments and projects

DESST 6009
Design and Environments IV

4 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

4 units

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

up to 4 hours lectures/seminars/ studios per week, field study trips

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

assessment: assignments and projects

DESST 6011
Special Topic (Landscape) IVA

4 units

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

up to 4 hours lectures/seminars/ studios per week, field study trips

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

assessment: assignments and projects

DESST 6012
Landscape Design Studio IV

4 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

4 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 and rural settled environments. It will focus on the diversity of philosophical positions which inform current approaches to urban and landscape sustainability understood in its widest sense, including not only the 'environmental', but the resource, cultural, social, political, economics, institutional and professional realms, and position them within a design inquiry.

In the project-based learning program, students will develop knowledge and skills required in the creation of buildings and landscape elements in 'sustainable' urban environments, and explore opportunities and constraints affecting the development of such environments.

assessment: assignments and projects

DESST 6014
Design Communications IV

4 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

4 units semester 2

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

DESST 6016
Technology in the Built Environment IV

4 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.

DESST 6017
Natural Systems and Design IV

4 units semester 1

up to 2 hours lectures, 2 tutorials or equivalent studios a week

This course considers the role and interactions that natural systems have upon and may influence designs, and how they are addressed in landscape design. These interactions include the role that soils, geology, micro-climate, water systems, animals and plants have upon and may shape the qualities and experiences in our designs. In particular the course considers the opportunities and diversity of plants as a design medium, the significant role of water in design including wetlands and stormwater management systems, and the natural ecological factors at sites that present constraints and opportunities in designs with an emphasis upon construction issues thereof. Specific attention is paid to the South Australian context, as well as contemporary examples that address these considerations.

assessment: a series of papers and design assignments

Graduate Certificate in Design Studies (Digital Media)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete 12 units of study in one semester of full-time study or the equivalent of part-time study.

2 Admission

2.1 Applications for admission shall be directly to the School of Architecture, Landscape Architecture and Urban Design. Successful applicants to the program may not defer their studies to the following year.

An applicant for admission to the program of study for the Graduate Certificate in Design Studies (Digital Media) shall have qualified for

(a) a degree of Bachelor of Landscape Architecture of the University or for a Bachelor degree of another institution accepted for the purpose by the University *or*

(b) a Bachelor degree of the University or another approved institution in one or more of the following areas: design studies, interior architecture or an allied built environment discipline.

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 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 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 for the Graduate Diploma in Design Studies (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:

DESSTDM 7001 Design with Digital Media A	6
DESSTDM 7002 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.

4.4 Graduation

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.

Syllabus

See Master of Design Studies (Digital Media) for details.

Graduate Diploma in Architecture (Digital Media)

Note: Postgraduate tuition fees apply to this program.

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

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

4.1 Academic program

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

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 or ARCHDM 7006 through distance learning

4.3 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabus

See Master of Architecture (Digital Media) for details.

Graduate Diploma in Design Studies (Digital Media)

Note: Postgraduate tuition fees apply to this program.

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

2.1 Applications for admission shall be directly to the School of Architecture, Landscape Architecture and Urban Design. Successful applicants to the program may not defer their studies to the following year.

An applicant for admission to the program of study for the Graduate Diploma in Design Studies (Digital Media) shall have qualified for

(a) a degree of Bachelor of Landscape Architecture of the University or for a Bachelor degree of another institution accepted for the purpose by the University *or*

(b) a Bachelor degree of the University or another approved institution in one or more of the following areas: design studies, interior architecture or an allied built environment discipline *or*

(c) the Graduate Certificate in Design Studies (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 Graduate Diploma.

2.3 Status, exemption and credit transfer

2.3.1 No candidate will be granted status for DESSTDM 7002 Design with Digital Media B, except candidates who have qualified for the Graduate Certificate in Design Studies (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 Certificate in Design Studies (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 Certificate in Design Studies (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.

3.2 (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 Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, as follows:

DESSTDM 7001 Design with Digital Media A	6
DESSTDM 7002 Design with Digital Media B	6
DESSTDM 7003 Design with Digital Media C	12

4.2 A candidate may take only one of DESST 7001 Design with Digital Media A or DESST 7002 Design with Digital Media B through distance learning.

4.3 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabus

See Master of Design Studies (Digital Media) for details.

Master of Architecture (Coursework)

Note: Postgraduate tuition fees apply to this program.

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 Academic Program Rule 4.1.

2 Admission

2.1 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.

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 the University of Adelaide 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 the University of Adelaide or an equivalent award from another educational institution accepted by the University for the purpose *or*

(c) the degree of Bachelor of Architecture of the University of Adelaide and at least two years' appropriate professional experience *or*

(d) the degree of Bachelor of Architecture (New) of the University of Adelaide with credit average result or better *or*

(e) a five year degree in Architecture or Landscape Architecture from another educational institution accepted by the University for the purpose and at least two years' appropriate professional experience *or*

(f) the Graduate Diploma in Design Studies of the University of Adelaide with credit average result or better, or an equivalent award from another educational institution accepted by the University for the purpose.

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 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 ARCH 7005 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 degree or Honours degree of Bachelor of Architecture of the University of Adelaide and who has not been awarded the Master's degree shall, on written application to the Dean of the School of Architecture, Landscape Architecture and Urban Design, be awarded the appropriate degree of Bachelor of Architecture.

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 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 Qualification requirements

4.1 Academic program

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

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

ARCH 4000
Architecture Studio IC

6 units semester 1

up to 18 hours of lectures/tutorials/workshops; contact hours vary from week to week

restriction: LARCH 4010 Landscape Architecture Studio IA

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: assignments - may include written, verbal, and graphical (2 and 3 dimensional) communication. Assessment will be in two equally weighted components* - to pass the course a mark of at least 50% must be obtained for each component

ARCH 4003
Architecture Studio ID

6 units semester 2

up to 18 hours of lectures/tutorials/workshops; contact hours vary from week to week

restriction: ARCH 4026 Architecture/Landscape Architecture Studio IE

A project-based learning program integrating architectural and landscape design and digital media technologies that will typically address a medium to large sized design and planning topic in a rural setting possessing particular cultural constraints, relationships and landscape nuances different from that commonly experienced in the South Australian environment. The course will explore the possibilities of digital media in designing and articulating designs, large to regional design issues, non-Mediterranean design issues, and site planning questions. Theories of multi-media design expression, architectural and landscape design, on-site infrastructure will be woven with topics addressing 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

ARCH 4016
Architecture Studio 1A

6 units semester 2

up to 18 hours of lectures/tutorials/workshops; contact hours vary from week to week

restriction: ARCH 4027 Architecture/Landscape Architecture Studio IF

A project-based learning program integrating architectural and landscape design and digital media technologies that will typically address a small to medium sized design and planning topic in an urban setting possessing particular cultural constraints, relationships and landscape nuances. The course will place emphasis upon either urban design or ecological design or urban ecology questions and theories. The course will explore the role and contribution of design in our cultural environments, and the nexus between culture and nature in an urban context.

assessment: assignments and projects - may include written, verbal, and graphic (2 and 3 dimensional) communication.

ARCH 4025
Architecture Studio IB

6 units semester 1

up to 18 hours of lectures/tutorials/workshops; contact hours vary from week to week

restriction: ARCH 5026 Architecture/Landscape Architecture Studio IIF

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. The course will typically be focussed 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.

assessment: assignments - may include written, verbal, and graphical (2 and 3 dimensional) communication. Assessment will be in two equally weighted components* - to pass the course a mark of at least 50% must be obtained for each component

ARCH 5018
Architecture Studio II

8 units semester 1

up to 18 hours of lectures/tutorials/ workshops; contact hours vary from week to week.

prerequisite: at least three of the following: ARCH 4016 Architecture Studio IA, ARCH 4025 Architecture Studio IB, ARCH 4000 Architecture Studio IC, ARCH 4003 Architecture Studio ID, ARCH 4026 Architecture/Landscape Architecture Studio IE, ARCH 4027 Architecture/Landscape Architecture Studio IF, LARCH 4010 Landscape Architecture Studio IA

corequisite: ARCH 5024 Architecture Practice II or ARCH 5025 Architecture/Landscape 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

4 units semester 1

up to 6 hours of lectures a week

corequisite: ARCH 5018 Architecture Studio II

restriction: ARCH 5025 Architecture/Landscape Architecture Practice II

This course will address the frameworks for and ethical structures of architectural and landscape architectural professional practice in South Australia and Australia. Topics include organisational theory; principles of law; the general organisation of architectural and landscape architectural (and multi-disciplinary) practices including the management of an office's human, physical and financial resources, the relationship between designers and their clients; consultants and contractors; contract administration; specifications; the legal qualifications of an architect and landscape architect; professional organisations; ethics; risk management and professional liability; planning and building law and regulations; problems facing the architect and landscape architect today; estimating and cost control; bills of quantities; the role of the quantity surveyor; project management; the range of services offered by architects and landscape architects.

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: work diaries, seminar papers, projects, exams

ARCH 7005
Architecture Masters Dissertation III

12 units semester 1 or summer semester

2 hour tutorial/seminar weekly.

prerequisite: ARCH 7008 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

12 units semester 2

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

prerequisite: ARCH 5018 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: masters project

Master of Architecture (Digital Media)

Note: Postgraduate tuition fees apply to this program.

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 Applications for admission shall be directly to the School of Architecture, Landscape Architecture and Urban Design. Successful applicants to the program may not defer their studies to the following year.

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) a 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 Academic program

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 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

ARCHDM 7001
Architectural Design Digital Media Masters Project

12 units semester 1 or 2

contact hours vary

prerequisite: all required courses in Grad.Dip. in Arch. (Digital Media)

This course comprises an individual or group culminating design, planning and/or research project that addresses an aspect of architectural design, professional practice or architectural design education in the context of digital media. Students will negotiate with the course coordinator a topic that reflects their own particular interests and the mode of digital and/or printed submission that is to be adopted.

assessment: assignments

ARCHDM 7003
Architectural Design with Digital Media C

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

The course focuses on the developing use of digital media in the profession of architecture. It begins with media specific to particular application areas such as building modelling systems. It then focuses on the cultural and professional contexts in which such systems are used in architecture and related fields. A core component of the course is work under the direction of a professional architectural office that is recorded and reviewed in a practice journal.

assessment: projects

ARCHDM 7004
Architectural Design with Digital Media A

6 units semester 1

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

This course focuses on design forms for 'real' and 'virtual' architecture and their representation during the process of design. Students will carry out a series of exploratory design projects that use and develop skills and understanding in the 2D and 3D representation of form-making ideas, the visualisation and animation of design proposals at various levels of abstraction, and the presentation of design-in-progress on the World Wide Web for an international audience. Project work is backed by seminars exploring theoretical concepts in contemporary design, representation and digital media. Projects and seminars may be adapted to suit individual student needs.

assessment: projects

ARCHDM 7006
Architectural Design with Digital Media B

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

The course focuses on the relation between digital models of architecture and buildings and their interpretation and behaviour in the physical world. Students will carry out one or more design projects that use software for visual and environmental analysis and simulation, and develop skills and understanding of these issues. Project work is backed by seminars exploring related theoretical concepts such as the interpretation of images and narratives, performance prediction, environmental simulation and sustainability. Projects and seminars may be adapted to suit individual student needs.

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

Master of Design Studies (Digital Media)

Note: Postgraduate tuition fees apply to this program.

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 Applications for admission shall be directly to the School of Architecture, Landscape Architecture and Urban Design. Successful applicants to the program may not defer their studies to the following year.

An applicant for admission to the program of study for the Master of Design Studies (Digital Media) shall have qualified for

(a) an Honours degree of Bachelor of Landscape Architecture of the University or for an Honours degree of another institution accepted for the purpose by the University *or*

(b) a degree of Bachelor of Landscape 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) an Honours degree of the University or another approved institution in one or more of the following areas: design studies, interior architecture or an allied built environment discipline *or*

(d) the Graduate Diploma in Design Studies (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 DESSTDM 7002 Design with Digital Media B, except candidates who have qualified for the Graduate Diploma in Design Studies (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 Design Studies (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 Design Studies (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 Design Studies (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:

DESSTDM 7001 Design with Digital Media A	6
DESSTDM 7002 Design with Digital Media B	6
DESSTDM 7003 Design with Digital Media C	12
DESSTDM 7004 Design with Digital Media Masters Project	12

4.2 A candidate may take only one of DESSTDM 7001 Design with Digital Media A or DESSTDM 7002 Design with Digital Media B through distance learning.

4.3 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

DESSTDM 7001
Design with Digital Media A

6 units semester 1

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

This course focuses on design forms and their representation during the process of design. Students will carry out a series of exploratory design projects that use and develop skills and understanding in the 2D and 3D representation of form-making ideas, the visualisation and animation of design proposals at various levels of abstraction, and the presentation of design-in-progress on the World Wide Web for an international audience. Project work is backed by seminars exploring theoretical concepts in contemporary design, representation and digital media. Projects and seminars may be adapted to suit individual student needs and design backgrounds.

assessment: projects

DESSTDM 7002
Design with Digital Media B

6 units semester 1

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

The course focuses on the relations between digital models of designs and their interpretation and behaviour in the physical world. Students will carry out one or more design projects that use software for visual and environmental analysis and simulation, and develop skills and understanding of these issues. Project work is backed by seminars exploring related theoretical concepts such as the interpretation of images and narratives, performance prediction, environmental simulation and sustainability. Projects and seminars may be adapted to suit individual student needs and design backgrounds.

assessment: projects

DESSTDM 7003
Design with Digital Media C

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

The course focuses on the developing professional use of digital media. It begins with media specific to particular application areas such as building modelling systems and geographic information systems. It then focuses on the cultural and professional contexts in which such systems are used in planning, urban design, architecture and landscape architecture, interior design and product design. A core component of the course is work under the direction of a professional office in one of these fields that is recorded and reviewed in a practice journal.

assessment: projects

DESSTDM 7004
Design with Digital Media Masters Project

12 units semester 1 or 2

This course comprises an individual or group culminating design, planning and/or research project that addresses an aspect of design, professional practice or design education in the context of digital media. Students will negotiate with the course coordinator a topic that reflects their own particular interests and the mode of digital and/or printed submission that is to be adopted.

assessment: projects

Master of Landscape Architecture

Note: Postgraduate tuition fees apply to this program.

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 Academic Program Rule 4.1.

2 Admission

2.1 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.

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 the University of Adelaide 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 the University of Adelaide or an equivalent award from another educational institution accepted by the University for the purpose *or*

(c) the degree of Bachelor of Architecture of the University of Adelaide and at least two years' appropriate professional experience *or*

(d) the degree of Bachelor of Landscape Architecture of the University of Adelaide with credit average result or better *or*

(e) a five year degree in Architecture of Landscape Architecture from another educational institution accepted by the University for the purpose *or*

(f) the Graduate Diploma in Design Studies (Landscape) of the University of Adelaide with credit average result or better, or an equivalent award from another educational institution accepted by the University for the purpose.

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 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 degree or Honours degree of Bachelor of Landscape Architecture of the University of Adelaide who subsequently successfully complete the requirements of the Master of Landscape Architecture must surrender the Bachelor's degree before being admitted to the Master's degree. A candidate may obtain either the Master's degree or the Bachelor's degree but not both.

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 degree or Honours degree of Bachelor of Landscape Architecture of the University of Adelaide and who has not been awarded the Master's degree shall, on written application to the Dean of School of Architecture, Landscape Architecture and Urban Design, be awarded the appropriate degree of Bachelor of Landscape Architecture.

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 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 Qualification requirements

4.1 Academic program

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	2
LARCH 5017 Landscape Architecture Practice II	4
LARCH 5029 Landscape Architecture Studio II	6
LARCH 7003 Landscape Architecture Masters Dissertation	12
LARCH 7007 Landscape Architecture Masters Project	12

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

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

6 units semester 2

up to 18 hours of lectures/tutorials/workshops/field trip; contact hours vary week to week

assumed knowledge: Design at undergraduate degree level.

restriction: ARCH 4026 Architecture/Landscape Architecture Studio IE

A project-based learning program integrating architectural and landscape design and digital media technologies that will typically address a medium to large sized design and planning topic in a rural setting possessing particular cultural constraints, relationships and landscape nuances different from that commonly experienced in the South Australian environment. The course will explore the possibilities of digital media in designing and articulating designs, large to regional design issues, non-Mediterranean design issues, and site planning questions. Theories of multi-media design expression, architectural and landscape design, on-site infrastructure will be woven with topics addressing 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 4010
Landscape Architecture Studio IA

6 units semester 1

up to 18 hours of lectures/tutorials/workshops/field trip; contact hours vary week to week

assumed knowledge: Design at undergraduate degree level

restriction: ARCH 4000 Architecture Studio IC

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

6 units semester 1

up to 18 hours of lectures/tutorials/workshops/field trip; contact hours vary week to week

assumed knowledge: Design at undergraduate degree level

restriction: LARCH 5030 Architecture/Landscape Architecture Studio IIE

This course will typically address a series of small to medium sized landscape design problems with an emphasis upon construction theory and design. The course will explore the role, qualities and possibilities of construction design and materials, and their possible uses in landscape design applications. Attention will be paid to a creative sustainable approach in construction design and materials, languages applied in the 'manufacture' of landscapes through materials, topographic changes, the materiality of interventions and possibilities in using natural and artificial materials.

assessment: assignments and projects 100% - may include written, verbal and graphic (2 and 3 dimensional) communication

LARCH 4017
Landscape Architecture Studio IC

6 units semester 2

Up to 18 hours of lectures/tutorials/workshops/field trip; contact hours vary week to week

assumed knowledge: Design at undergraduate degree level.

restriction: ARCH 4027 Architecture/Landscape Architecture Studio IF

A project-based learning program integrating architectural and landscape design and digital media technologies that will typically address a small to medium sized design and planning topic in an urban setting possessing particular cultural constraints, relationships and landscape nuances. The course will place emphasis upon either urban design or ecological design or urban

ecology questions and theories. The course will explore the role and contribution of design in our cultural environments, and the nexus between culture and nature in an urban context.

assessment: assignments and projects - may include written, verbal, and graphic (2 and 3 dimensional) communication.

LARCH 5004
Landscape Architecture Seminar II

2 units semester 1

2-3 hours of lectures/tutorials/ workshops/field trips; contact hours vary week to week

corequisite: LARCH 5029 Landscape Architecture Studio II and either LARCH 5017 Landscape Architecture Practice II or ARCH 5025 Architecture/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

4 units semester 1

2-3 hours of lectures/tutorials/workshops/field trips; contact hours vary week to week

corequisite: LARCH 5029 Landscape Architecture Studio II and LARCH 5004 Landscape Architecture Seminar II

restriction: ARCH 5025 Architecture/Landscape Architecture Practice II

This course will address the frameworks for and ethical structures of architectural and landscape architectural professional practice in South Australia and Australia. Topics include organisational theory; principles of law; the general organisation of architectural and landscape architectural (and multi-disciplinary) practices including the management of an office's human, physical and financial resources, the relationship between designers and their clients; consultants and contractors; contract administration; specifications; the legal qualifications of an architect and landscape architect; professional organisations; ethics; risk management and professional liability; planning and building law and regulations; problems facing the architect and landscape architect today; estimating and cost control; bills of quantities; the role of the quantity surveyor; project management; the range of services offered by architects and landscape architects.

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: work diaries, seminar papers, projects, exams

LARCH 5029
Landscape Architecture Studio II

6 units semester 1

up to 18 hours of lectures/tutorials/ workshops/field trip; contact hours vary week to week

prerequisite: at least three of the following: LARCH 4010 Landscape Architecture Studio IA, LARCH 4012 Landscape Architecture Studio IB, LARCH 4017 Landscape Architecture Studio IC, LARCH 4002 Landscape Architecture Studio ID, ARCH 4026 Architecture/Landscape Architecture Studio IE, ARCH 4027 Architecture/Landscape Architecture Studio IF, ARCH 4000 Architecture Studio IC

corequisite: LARCH 5004 Landscape Architecture Seminar II and either LARCH 5017 Landscape Architecture Practice II or ARCH 5025 Architecture/Landscape Architecture Practice II

This course will focus upon landscape planning and urban design theories, methodologies and case studies. It will typically address a range of small to medium sized landscape design and planning topics in rural and urban settings that will be dependent upon the use and application of information technologies and geographic information systems, and digital media and hand graphic representational styles and approaches. 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

LARCH 7003
Landscape Architecture Masters Dissertation

12 units semester 1 or summer semester

2 hour tutorial/seminar per week

prerequisite: LARCH 7007 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

12 units semester 2

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

prerequisite: LARCH 5029 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: masters 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

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 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

Master of Architecture

2.1 The School of Architecture, Landscape Architecture and Urban Design may accept as a candidate for the degree of Master of Architecture any person who:

(a) has become entitled to receive the Honours degree of Bachelor of Architecture of the University of Adelaide *or*

(b) has obtained in another university or tertiary institution qualifications which in the opinion of the School of Architecture, Landscape Architecture and Urban Design are at least equivalent to those of the Honours degree of Bachelor of Architecture.

2.2 Subject to the approval of the Board of 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 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 the University of Adelaide *or*

(b) has obtained in another university or tertiary institution qualifications which, in the opinion of the School of Architecture, Landscape Architecture and Urban Design, are at least equivalent to those of the Honours degree of Bachelor of Architectural Studies or Honours degree of Bachelor of Design Studies.

2.5 Subject to the approval of the Board of 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 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 the University of Adelaide or other qualifications accepted by the University as equivalent to an Honours degree.

2.8 Subject to the approval of the Board of 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 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 the University of Adelaide *or*

(b) has obtained in another university or tertiary institution qualifications which in the opinion of the School of Architecture, Landscape Architecture and Urban Design are at least equivalent to those of the Honours degree of Bachelor of Landscape Architecture.

2.11 Subject to the approval of the Board of 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 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.

3.7 Graduation

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.

4 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 Academic Program Rules for any particular award.

School of Commerce

Website: www.commerce.adelaide.edu.au

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Postgraduate awards in the School of Commerce

Master of Applied Finance

Master of Commerce

Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties.

2 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 Applied Finance

This program is taught only in Singapore

Academic Program Rules

1 Duration of program

To quality for the degree, a candidate shall satisfactorily complete a program of study equivalent to one and a half (1.5) years of full-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 Applied Finance shall have qualified for a four (4) year undergraduate program in an institution accepted by the Faculty as appropriate OR have qualified for a three (3) year program and have 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. This may include acceptance of professional qualifications where they are of high quality and provide an appropriate background to undertake a past graduate qualification in finance.

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.

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 reenrol 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

4.1 Academic program

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

4.1.1 Core Courses

All candidates shall complete the following core courses:

COMMERCE 7002NA Accounting Information for Financial Decision Makers	3
COMMERCE 7003NA Financial Quantitative Procedures	3
COMMERCE 7004NA Economic Principles of Finance	3
COMMERCE 7005NA Principles of Finance	3
COMMERCE 7006NA Equity	4
COMMERCE 7007NA Fixed Income Securities	4
COMMERCE 7008NA Futures and Option Instruments and Markets Analysis	4
COMMERCE 7009NA Corporate Finance Theory	4
COMMERCE 7010NA Portfolio Management	4

4.1.2 Elective Courses

All candidates shall complete one elective to the value of 4 points selected from the list of approved electives:

COMMERCE 7011NA Financial Modelling

COMMERCE 7012NA Treasury Management

COMMERCE 7013NA Financial Statement Analysis

COMMERCE 7014NA Personal Financial Planning

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Core courses

COMMERCE 7002NA
Accounting Info for Financial Decision Making

3 units

This module focuses on the analysis of financial statements to reveal the operating performance and the financial condition of a company, its prospects and its underlying value. It examines the impact of alternative accounting procedures and assumptions on the published financial statements of a company. It offers ways to adjust for accounting differences and discusses the financial performance from the cross-sectional and time series perspectives. In addition, students learn how to construct and interpret projected statements of income, financial position and cash flows. In the process, the student should arrive at and be able to defend an investment decision and the corresponding terms. Cases used in the course will be drawn largely from Asia-Pacific countries.

assessment: exam, written assignments, case study analysis, group or individual projects

COMMERCE 7003NA
Financial Quantitative Procedures

3 units

The purpose of this course is to provide the students with basic mathematical and statistical concepts to analyse, value, and manage investment portfolios. Students are also exposed to more advanced topics of data analysis. Emphasis is placed on the extensive use of computer statistical packages e.g. SAS, SPSS, to perform data analysis. Students are expected to have hands-on experience in application of quantitative methods to problems of investment.

assessment: exam, written assignments, case study analyses, group or individual projects

COMMERCE 7004NA
Economic Principles of Finance

3 units

The purpose of this module is to enable the student to understand economic events, analyse their impact on the financial markets and financial instruments, and propose appropriate courses of action. To do this, the student should understand the basic principles of macroeconomics and microeconomics and be conversant with the various economic indicators used. Also, the student should be able to utilise the tools of economic analysis to perform company and industry competitive analysis.

assessment: exam, written assignments, case study analyses, group or individual projects

COMMERCE 7005NA
Principles of Finance

3 units

Risk and return are key concepts in investment. This module discusses the measurement of risk and return. The relationship between risk and return is examined through the various methods of valuation and asset pricing models. Capital budgeting techniques, cost of capital and issues of capital structure are also covered as these enable the student to assess the investment plans of companies.

assessment: exam, written assignments, case study analyses, group or individual projects

COMMERCE 7006NA
Equity

4 units

This module enables the student to analyse stocks from a fundamental perspective. After completing the module, the student should be able to derive an intrinsic value for a stock. The student should also be able to discuss the qualitative factors like the strengths and weaknesses and the competitive environment in which the company operates. Special situations like corporate restructuring or mergers and acquisitions are discussed. As many companies are not publicly listed, the valuation of such companies as well as the role of venture capital need to be examined. This module also provides an overview of the equity market and discusses alternative trading methods.

assessment: exam, written assignments, case study analyses, group or individual projects

COMMERCE 7007NA
Fixed Income Securities

4 units

This module covers the valuation of fixed-income securities. As the pricing of bonds depend on interest rate changes, the term structure of interest rates is examined. The varieties of debt instruments are discussed as well as the different types of risk, e.g. default and country risk. Immunisation strategies are also analysed. Institutional aspects of the fixed income market like credit ratings are also covered.

assessment: exam, written assignments, case study analyses, group or individual projects

COMMERCE 7008NA
Futures and Options

4 units

This module introduces students to the characteristics of derivative instruments like options, forwards and futures, and the markets they trade in. The student will also learn how these instruments are priced. The use of derivatives to hedge risk exposure will be discussed.

assessment: exam, written assignments, case study analyses, group or individual projects

COMMERCE 7009NA
Corporate Finance Theory

4 units

This course will focus on the investment and financing decisions and policies of corporations. There will be a focus on theory, and it emphasises skills in developing economic explanations for financial phenomena. Additionally, the course will aim to provide some opportunities for the practical implementation of the main concepts covered.

assessment: exam, written assignments, case study analyses, group or individual projects

COMMERCE 7010NA
Portfolio Management

4 units

Portfolio management begins with management objectives. This is followed by the construction of the appropriate portfolio to reflect those objectives. A key issue in portfolio management is the asset allocation problem. Further, the relative merits and value of the various investment styles and strategies are also discussed. As the market or other circumstances change there is a need to monitor and rebalance the portfolio. Another aspect of portfolio management is the managing of portfolio risk. Various approaches to solve this problem are considered including the use of derivatives. As the computer is used extensively in portfolio management, the use of IT is also included.

assessment: exam, written assignments, case study analyses, group or individual projects

Elective courses

COMMERCE 7011NA
Financial Modelling

4 units

This module looks at discrete time financial modelling of various financial assets, interest rates, exchange rates, using binomial models, and to present the modern theory of contingent claim pricing in these markets. Objectives: At the end of this course, students should understand basic financial market concepts, futures, forwards, options how to construct binomial tree models and their calibration and how to price a wide variety of contingent claims, using principles of non-arbitrage.

assessment: exam, written assignments, case study analyses, group or individual projects

COMMERCE 7012NA
Treasury Management

4 units

This module covers the corporate treasury function. Essentially, the focus is on the corporate exposure to risk and appropriate ways to manage it. How the risk can be identified and measured will be discussed. Risk is defined broadly and includes liquidity, interest rate and foreign currency exposure. Tools to manage the treasury systems and controls and financial engineering.

assessment: exam, written assignments, case study analyses, group or individual projects

COMMERCE 7013NA
Financial Statement Analysis

4 units

This module comprises Singaporean, Asian and international case studies based on listed companies in various industries. The cases require participants to analyse and interpret financial and non-financial information from the perspectives of investment and credit analysts. In the process, participants learn how to construct and interpret projected statements of income, financial positions and cash flows.

assessment: exam, written assignments, case study analyses, group or individual projects

COMMERCE 7014NA
Personal Financial Planning

4 units

This module teaches students how to manage their personal assets and finances. The module stresses the understanding of key principles in personal financial planning. The practical implementation of these principles in the Singapore environment is learned through case studies.

assessment: exam, written assignments, case study analyses, group or individual projects

Master of Commerce

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

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 the University of Adelaide *or*

(b) has qualified for another Honours degree which the Faculty regards as being equivalent to a First or Second-Class Honours degree in Commerce of the University of Adelaide.

3.3 Subject to the approval of the Board of Research Education and Development 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.

5.2 Graduation

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.

6 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 Academic Program Rules for any particular award.

Dental School

Website: www.dentistry.adelaide.edu.au

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+ For Information on M.D.S. (named degrees) please refer to the *University Calendar Volume II: Handbook of Courses 2000*.

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Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties.

2 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.

Graduate Certificate in Dentistry

Note: Postgraduate tuition fees apply to this program.

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:

(a) complete satisfactorily an approved program of study extending over a period of not more than three years as a part-time candidate *and*

(b) 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 Academic Program Rule 2.1.

3 Admission

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

(a) has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery

(b) has qualified in another university for a degree or degrees in dentistry which the Dental School regards as equivalent for the purpose to the qualification specified in Academic 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, are eligible to apply for status for studies they have undertaken in the Graduate Certificate.

A candidate who has been admitted to the Graduate Certificate in Dentistry and who subsequently satisfies the requirements for the Graduate Diploma In Clinical Dentistry must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

3.3 Prescribed communicable infection and dental students*

It is a condition of enrolment and continuing enrolment in all undergraduate programs and all clinical postgraduate programs in the Dental School, that students abide by the following policy:

1 All new students (ie, all students who have not previously been students in the Dental School) must show evidence of their antibody and antigen status for Hepatitis B to the Dean of the Dental School within four weeks of enrolment. Where this evidence is in question, the Dean of the Dental School may require the student to attend a University nominated health service for screening, consultation and immunisation.

2 Where a screening test shows that a student does not have appropriate immunity against Hepatitis B, the student must provide evidence which satisfies the Dean of the Dental School that the student has begun and completed a program of immunisation.

3 Where a screening test shows that a student has a positive e-antigen status in respect of Hepatitis B, they will receive counselling from the medical practitioner. Additionally, the student must advise the Dean of their health status, and the Dean will provide counselling to the student in relation to effective, safe, work practices. Where the medical condition precludes a student from continuing with a program of study, they will be counselled on other study options which are compatible with their aspirations and capabilities.

4 The Occupational Health and Safety HIV/AIDS/ Hepatitis B Policy and Procedures (see www.adelaide.edu.au/hr/policies/ohs/hivhepb.html) will apply to all students who have a positive e-antigen status in respect of Hepatitis B, or a positive antibody status in respect of HIV/AIDS.

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

* These rules are constantly under review and will change in 2003 because of new laws affecting communicable or infectious diseases and their treatment and immunisation in

respect to dental practice. It is therefore strongly recommended that you monitor this Policy or alternatively, if you have issues of concern, you may care to discuss them with the Counsellor within the Dental School.

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 one grading classification in any course for the Graduate Certificate: Non Graded 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 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
DENT6033HO Special Patient Care C	2
DENT 6034HO Dental Wear C	2

Other courses as they become available

* available in external mode only

5.2 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.

5.3 Graduation

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.

6 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 Academic Program Rules for any particular award.

Note: all courses are available through open learning

DENT 6001HO
Contemporary Dental Practice

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; paedodontics; 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

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

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

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

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

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

2 units

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

assessment: seminar performance, clinical work

DENT 6027HO
Oral Pathology-Oral Medicine C

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

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

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

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

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

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

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

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

Note: Postgraduate tuition fees apply to this program.

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 Academic Program Rule 2.1.

3 Admission

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

(a) has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery *or*

(b) has qualified in another university for a degree or degrees in dentistry which the Dental School regards as equivalent.

3.2 Prescribed communicable infection and dental students*

It is a condition of enrolment and continuing enrolment in all undergraduate programs and all clinical postgraduate programs in the Dental School, that students abide by the following policy:

1 All new students (ie, all students who have not previously been students in the Dental School) must show evidence of their antibody and antigen status for Hepatitis B to the Dean of the Dental School within four weeks of enrolment. Where this evidence is in question, the Dean of the Dental School may require the student to attend a University nominated health service for screening, consultation and immunisation.

2 Where a screening test shows that a student does not have appropriate immunity against Hepatitis B, the student must provide evidence which satisfies the Dean of the Dental School that the student has begun and completed a program of immunisation.

3 Where a screening test shows that a student has a positive e-antigen status in respect of Hepatitis B, they will receive counselling from the medical practitioner. Additionally, the student must advise the Dean of their health status, and the Dean will provide counselling to the student in relation to effective, safe, work practices. Where the medical condition precludes a student from continuing with a program of study, they will be counselled on other study options which are compatible with their aspirations and capabilities.

4 The Occupational Health and Safety HIV/AIDS/ Hepatitis B Policy and Procedures (see www.adelaide.edu.au/hr/policies/ohs/hivhepb.html) will apply to all students who have a positive e-antigen status in respect of Hepatitis B, or a positive antibody status in respect of HIV/AIDS.

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

* These rules are constantly under review and will change in 2003 because of new laws affecting communicable or infectious diseases and their treatment and immunisation in respect to dental practice. It is therefore strongly recommended that you monitor this Policy or alternatively, if

you have issues of concern, you may care to discuss them with the Counsellor within the Dental School.

4 Assessment and examinations

4.1 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.

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 as follows:

DENT 6003HO Basic and Applied Dental Sciences	2
DENT 6004HO Research Methods and Ethics	2
DENT 6055AHO/BHO Advanced Dental Selective	6
DENT 6056AHO/BHO Advanced Dental Studies	6
DENT 6057AHO/BHO Advanced Clinical Studies	8

5.2 Unacceptable combination 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.

5.3 Graduation

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.

6 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 Academic Program Rules for any particular award.

DENT 6003HO
Basic and Applied Dental Sciences

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

2 units semester 1 or 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 6055AHO
Advanced Dental Selective Part 1

DENT 6055BHO
Advanced Dental Selective Part 2

6 units full year

This course offers candidates the opportunity to undertake advanced dental studies in a number of areas. It can include completion of an essay, development of a website, preparation for the Royal Australasian College of Dental Surgeons Primary Examination or other approved selective projects.

assessment: satisfactory competition of the chosen project

DENT 6056AHO
Advanced Dental Studies Part 1

DENT 6056BHO
Advanced Dental Studies Part 2

6 units full year

To satisfactorily compete this course, candidates will be required to undertake either a small research project under supervision, or complete an alternative assignment(s) approved by the Graduate School Advisory Board.

assessment: satisfactory competition of research report or satisfactory completion of the chosen project

DENT 6057AHO
Advanced Clinical Studies Part 1

DENT 6057BHO
Advanced Clinical Studies Part 2

8 units full year

This course provides hands-on experience in a number of clinical areas under the supervision of experienced clinicians in these areas. Seminar participation is required.

assessment: ongoing assessment, patient presentations and viva voca examinations

Graduate Diploma in Forensic Odontology

Note: Postgraduate tuition fees apply to this program.

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

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 the University of Adelaide, 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 Academic Program Rule 3.1 above but who have given evidence satisfactory to the Dental School of fitness to undertake advanced work in dentistry.

3.3 Prescribed communicable infection and dental students*

It is a condition of enrolment and continuing enrolment in all undergraduate programs and all clinical postgraduate programs in the Dental School, that students abide by the following policy:

1. All new students (ie, all students who have not previously been students in the Dental School) must show evidence of their antibody and antigen status for Hepatitis B to the Dean of the Dental School within four weeks of enrolment. Where this evidence is in question, the Dean of the Dental School may require the student to attend a University nominated health service for screening, consultation and immunisation.
2. Where a screening test shows that a student does not have appropriate immunity against Hepatitis B, the student must provide evidence which satisfies the Dean of the Dental School that the student has begun and completed a program of immunisation.
3. Where a screening test shows that a student has a positive e-antigen status in respect of Hepatitis B, they will receive counselling from the medical practitioner. Additionally, the student must advise the Dean of their health status, and the Dean will provide counselling to the student in relation to effective, safe, work practices. Where the medical condition precludes a student from continuing with a program of study, they will be counselled on other study options which are compatible with their aspirations and capabilities.
4. The Occupational Health and Safety HIV/AIDS/ Hepatitis B Policy and Procedures (see www.adelaide.edu.au/hr/policies/ohs/hivhepb.html) will apply to all students who have a positive e-antigen status in respect of Hepatitis B, or a positive antibody status in respect of HIV/AIDS.
5. The University may revoke the enrolment of any student who does not comply with the screening, immunisation and counselling requirements of this policy

* These rules are constantly under review and will change in 2003 because of new laws affecting communicable or infectious diseases and their treatment and immunisation in respect to dental practice. It is therefore strongly recommended that you monitor this Policy or alternatively, if you have issues of concern, you may care to discuss them with the Counsellor within the Dental School.

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 6012AHO/BHO Principles and Methods of Forensic Odontology

5.2 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.

5.3 Graduation

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.

6 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 Academic Program Rules for any particular award.

DENT 6003HO
Basic and Applied Dental Sciences

2 units semester 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: essay and seminar participation

DENT 6004HO
Research Methods and Ethics

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 requirements of the students enrolled.

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

DENT 6006AHO
Anatomy and Forensic Anthropology Part 1

DENT 6006BHO
Anatomy and Forensic Anthropology Part 2

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
Casework in Forensic Odontology Part 1

DENT 6008BHO
Casework in Forensic Odontology Part 2

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
Oral and Forensic Pathology Part 1

DENT 6010BHO
Oral and Forensic Pathology Part 2

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
Principles and Methods of Forensic Odontology Part 1

DENT 6012BHO
Principles and Methods of Forensic Odontology Part 2

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 bitemarks.

assessment: essay and seminar participation

Master of Science in Dentistry

Note: Postgraduate tuition fees apply to this program.

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

3.1 The Dental School may accept as a candidate for the degree any person who:

(a) has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery and for the Honours Degree of Bachelor of Science in Dentistry with First or Second Class Honours

(b) has qualified for a degree in Dentistry and whose qualifications are regarded by the Dental School as equivalent to those specified in 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 Research Education and Development, 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.

3.5 Prescribed communicable infection and dental students*

It is a condition of enrolment and continuing enrolment in all undergraduate programs and all clinical postgraduate programs in the Dental School, that students abide by the following policy:

1. All new students (ie, all students who have not previously been students in the Dental School) must show evidence of their antibody and antigen status for Hepatitis B to the Dean of the Dental School within four weeks of enrolment. Where this evidence is in question, the Dean of the Dental School may require the student to attend a University nominated health service for screening, consultation and immunisation.
2. Where a screening test shows that a student does not have appropriate immunity against Hepatitis B, the student must provide evidence which satisfies the Dean of the Dental School that the student has begun and completed a program of immunisation.
3. Where a screening test shows that a student has a positive e-antigen status in respect of Hepatitis B, they will receive counselling from the medical practitioner. Additionally, the student must advise the Dean of their health status, and the Dean will provide counselling to the student in relation to effective, safe, work practices. Where the medical condition precludes a student from continuing with a program of study, they will be counselled on other study options which are compatible with their aspirations and capabilities.
4. The Occupational Health and Safety HIV/AIDS/ Hepatitis B Policy and Procedures (see www.adelaide.edu.au/hr/policies/ohs/hivhepb.html) will apply to all students who have a positive e-antigen status in respect of Hepatitis B, or a positive antibody status in respect of HIV/AIDS.
5. The University may revoke the enrolment of any student who does not comply with the screening, immunisation and counselling requirements of this policy.

* These rules are constantly under review and will change in 2003 because of new laws affecting communicable or infectious diseases and their treatment and immunisation in respect to dental practice. It is therefore strongly recommended that you monitor this Policy or alternatively,

if you have issues of concern, you may care to discuss them with the Counsellor within the Dental School.

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 the University of Adelaide 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.

5.3 Graduation

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.

6 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 Academic Program Rules for any particular award.

Doctor of Clinical Dentistry

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

1.1 Except in circumstances approved by the Board of Research Education and Development, 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 that 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 that 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 Research Education and Development may accept as a candidate for the degree any person who:

(a) has qualified in the University of Adelaide for the degree of Bachelor of Dental Surgery, or has qualified in another University for a degree or degrees in dentistry which the 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 the University of Adelaide equivalent to at least a second class division standard, or has qualified for the Graduate Diploma in Clinical Dentistry of the University of Adelaide 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 the University of Adelaide 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 the University of Adelaide 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 the University of Adelaide 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 the University of Adelaide 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 Research Education and Development 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 Research Education and Development 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 Research Education and Development. 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 Research Education and Development 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.

2.6 Prescribed communicable infection and dental students*

It is a condition of enrolment and continuing enrolment in all undergraduate programs and all clinical postgraduate programs in the Dental School, that students abide by the following policy:

1 All new students (ie, all students who have not previously been students in the Dental School) must show evidence of their antibody and antigen status for Hepatitis B to the Dean of the Dental School within four weeks of enrolment. Where this evidence is in question, the Dean of the Dental School may require the student to attend a University nominated health service for screening, consultation and immunisation.

2 Where a screening test shows that a student does not have appropriate immunity against Hepatitis B, the student must provide evidence which satisfies the Dean of the Dental School that the student has begun and completed a program of immunisation.

3 Where a screening test shows that a student has a positive e-antigen status in respect of Hepatitis B, they will receive counselling from the medical practitioner. Additionally, the student must advise the Dean of their health status, and the Dean will provide counselling to the student in relation to effective, safe, work practices. Where the medical condition precludes a student from continuing with a program of study, they will be counselled on other study options which are compatible with their aspirations and capabilities.

4 The Occupational Health and Safety HIV/AIDS/ Hepatitis B Policy and Procedures (see www.adelaide.edu.au/hr/policies/ohs/hivhepb.html) will apply to all students who have a positive e-antigen status in respect of Hepatitis B, or a positive antibody status in respect of HIV/AIDS.

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

* These rules are constantly under review and will change in 2003 because of new laws affecting communicable or infectious diseases and their treatment and immunisation in respect to dental practice. It is therefore strongly recommended that you monitor this Policy or alternatively, if you have issues of concern, you may care to discuss them with the Counsellor within the Dental School.

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 Graduate School Advisory Board of the Dental School which shall make recommendations to the Board of Research Education and Development.

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 Research Education and Development 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 Research Education and Development.

3.3 Recommendations of Doctoral Examination Committee

The Doctoral Examination Committee may recommend to the Board of Research Education and Development through the Graduate School Advisory Board 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 Research Education and Development 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 fulfilment of the requirements of the research component, and the results of any examination, and make appropriate recommendation to the Board of Research Education and Development 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 Research Education and Development 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 Research Education and Development 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 Specialist Clinical Dento-Maxillo-Facial Radiology VI	8
DENT 8011AHO/BHO Specialist Clinical Dento-Maxillo-Facial Radiology VII	8
DENT 8012AHO/BHO Specialist Clinical 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 8082AHO/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 8004HO Doctor of Clinical Dentistry Research A	6
DENT 8005HO Doctor of Clinical Dentistry B	6
DENT 8006HO Doctor of Clinical Dentistry C	6
DENT 8007HO Doctor of Clinical Dentistry D	6

4.5 Unacceptable combination 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.

4.6 Graduation

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.

5 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 Academic Program Rules for any particular award.

Core courses

DENT 8001AHO
Research Methods, Experimental Design and Ethics Part 1

DENT 8001BHO
Research Methods, Experimental Design and Ethics Part 2

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 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

DENT 8002AHO
Common Topics in Dental Clinical Science Part 1

DENT 8002BHO
Common Topics in Dental Clinical Science Part 2

4 units full year

1 hour per week

prerequisite: DENT 8001AHO/BHO Research Methods, Experimental Design and 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
Interdisciplinary Seminars in Clinical Dentistry Part 1

DENT 8003BHO
Interdisciplinary Seminars in Clinical Dentistry Part 2

4 units full year

1 hour per week

prerequisite: DENT 8002AHO/BHO 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
Specialist Clinical Dento-Maxillo-Facial Radiology VI Part 1

DENT 8010BHO
Specialist Clinical Dento-Maxillo-Facial Radiology VI Part 2

8 units full year

corequisite: DENT 8001AHO/BHO Research Methods, Experimental Design and 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
Specialist Clinical Dento-Maxillo-Facial Radiology VII Part 1

DENT 8011BHO
Specialist Clinical Dento-Maxillo-Facial Radiology VII Part 2

8 units full year

prerequisite: DENT 8010AHO/BHO Specialist Clinical Dento-Maxillo-Facial Radiology VI

DENT 8012AHO
Specialist Clinical Dento-Maxillo-Facial Radiology VIII Part 1

DENT 8012BHO
Specialist Clinical Dento-Maxillo-Facial Radiology VIII Part 2

prerequisite: DENT 8011AHO/BHO Specialist Clinical Dento-Maxillo-Facial Radiology VII

See DENT 8010 Specialist Clinical Dento-Maxillo-Facial Radiology VI for syllabus details.

Endodontics

DENT 8020AHO
Special Clinical Endodontic VI Part 1

DENT 8020BHO
Special Clinical Endodontic VI Part 2

8 units full year

corequisite: DENT 8001AHO/BHO Research Methods, Experimental Design and 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
Special Clinical Endodontic VII Part 1

DENT 8021BHO
Special Clinical Endodontic VII Part 2

8 units full year

prerequisite: DENT 8020AHO/BHO Specialist Clinical Endodontics VI

DENT 8022AHO
Special Clinical Endodontic VIII Part 1

DENT 8022BHO
Special Clinical Endodontic VIII Part 2

20 units full year

prerequisite: DENT 8021AHO/BHO Specialist Clinical Endodontics VII

See DENT 8020 Specialist Clinical Endodontics VI for syllabus details.

Forensic Odontology

DENT 8030AHO
Special Clinical Forensic Odontology VI Part 1

DENT 8030BHO
Special Clinical Forensic Odontology VI Part 2

8 units full year

corequisite: DENT 8001AHO/BHO Research Methods, Experimental Design and 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
Special Clinical Forensic Odontology VII Part 1

DENT 8031BHO
Special Clinical Forensic Odontology VII Part 2

8 units full year

prerequisite: DENT 8030A/BHO Specialist Clinical Forensic Odontology VI

DENT 8032AHO
Special Clinical Forensic Odontology VIII Part 1

DENT 8032BHO
Special Clinical Forensic Odontology VIII Part 2

20 units full year

prerequisite: DENT 8031A/BHO Specialist Clinical Forensic Odontology

See Specialist Clinical Forensic Odontology VI for syllabus details.

General Dental Practice

DENT 8040AHO
Advanced General Dental Practice VI Part 1

DENT 8040BHO
Advanced General Dental Practice VI Part 2

8 units full year

corequisite: DENT 8001AHO/BHO Research Methods, Experimental Design and 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
Advanced General Dental Practice VII Part 1

DENT 8041BHO
Advanced General Dental Practice VII Part 2

8 units full year

prerequisite: DENT 8040AHO/BHO Advanced General Dental Practice VI

See Advanced General Dental Practice IV for syllabus details.

DENT 8042AHO
Advanced General Dental Practice VIII Part 1

DENT 8042BHO
Advanced General Dental Practice VIII Part 2

20 units full year

prerequisite: DENT 8041AHO/BHO Advanced General Dental Practice VII

See Advanced General Dental Practice VI for syllabus details.

Oral & Maxillofacial Surgery

DENT 8050AHO
Special Oral and Maxillofacial Surgery VI Part 1

DENT 8050BHO
Special Oral and Maxillofacial Surgery VI Part 2

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: DENT 8001AHO/BHO Research Methods, Experimental Design and 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
Special Oral and Maxillofacial Surgery VII Part 1

DENT 8051BHO
Special Oral and Maxillofacial Surgery VII Part 2

8 units full year

prerequisite: DENT 8050AHO/BHO Specialist Oral & Maxillofacial Surgery VI, MBBS AND BDS degrees.

DENT 8052AHO
Special Oral and Maxillofacial Surgery VIII Part 1

DENT 8052BHO
Special Oral and Maxillofacial Surgery VIII Part 2

20 units full year

prerequisite: DENT 8051AHO/BHO Specialist Oral & Maxillofacial Surgery VII

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.

Oral Medicine

DENT 8060AHO
Specialist Oral Medicine VI Part 1

DENT 8060BHO
Specialist Oral Medicine VI Part 2

8 units full year

corequisite: DENT 8001AHO/BHO Research Methods, Experimental Design and 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
Specialist Oral Medicine VII Part 1

DENT 8061BHO
Specialist Oral Medicine VII Part 2

8 units full year

prerequisite: DENT 8060AHO/BHO Specialist Oral Medicine VI

Students will continue studies outlined in 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 oral pathology topics. Study of the pathology and management of disease in core body systems will be commenced.

DENT 8062AHO
Specialist Oral Medicine VIII Part 1

DENT 8062BHO
Specialist Oral Medicine VIII Part 2

20 units full year

prerequisite: DENT 8061AHO/BHO Specialist Oral Medicine VII

This component of the program builds on the skills and knowledge acquired in the 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
Specialist Oral Pathology VI Part 1

DENT 8070BHO
Specialist Oral Pathology VI Part 2

8 units full year

corequisite: DENT 8001AHO/BHO Research Methods, Experimental Design and 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
Specialist Oral Pathology VII Part 1

DENT 8071BHO
Specialist Oral Pathology VII Part 2

8 units full year

prerequisite: DENT 8070AHO/BHO Specialist Oral Pathology VI

In addition to continuing attendance at diagnostic general and oral histopathology seminars described in 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 oral pathology topics.

DENT 8072AHO
Specialist Oral Pathology VIII Part 1

DENT 8072BHO
Specialist Oral Pathology VIII Part 2

20 units full year

prerequisite: DENT 8071AHO/BHO Specialist Oral Pathology VII

This component of the program builds on the skills and knowledge acquired in the 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
Specialist Orthodontics VI Part 1

DENT 8080BHO
Specialist Orthodontics VI Part 2

8 units full year

corequisite: DENT 8001AHO/BHO Research Methods, Experimental Design and 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
Specialist Orthodontics VII Part 1

DENT 8081BHO
Specialist Orthodontics VII Part 2

8 units full year

prerequisite: DENT 8080AHO/BHO Specialist Orthodontics VI

DENT 8082AHO
Specialist Orthodontics VIII Part 1

20 units full year

prerequisite: DENT 8081AHO/BHO Specialist Orthodontics VII

DENT 8082BHO
Specialist Orthodontics VIII Part 2

20 units full year

prerequisite: DENT 8081AHO/BHO Specialist Orthodontics VII

See DENT 8080 Specialist Orthodontics VI for syllabus details.

Paediatric Dentistry

DENT 8090AHO
Specialist Paediatric Dentistry VI Part 1

DENT 8090BHO
Specialist Paediatric Dentistry VI Part 2

8 units full year

corequisite: DENT 8001AHO/BHO Research Methods, Experimental Design and 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
Specialist Paediatric Dent VII Part 1

DENT 8091BHO
Specialist Paediatric Dentistry VII Part 2

20 units full year

prerequisite: DENT 8090AHO/BHO Specialist Paediatric Dentistry VI

DENT 8092AHO
Specialist Paediatric Dentistry VIII Part 1

DENT 8092BHO
Specialist Paediatric Dentistry VIII Part 2

20 units full year

prerequisite: DENT 8091AHO/BHO Specialist Paediatric Dentistry VII

See Specialist Paediatric Dentistry VI for syllabus details.

Periodontics

DENT 8100AHO
Specialist Periodontics VI Part 1

DENT 8100BHO
Specialist Periodontics VI Part 2

8 units full year

corequisite: DENT 8001AHO/BHO Research Methods, Experimental Design and 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 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
Specialist Periodontics VII Part 1

DENT 8101BHO Part 2
Specialist Periodontics VII Part 1

DENT 8102AHO
Specialist Periodontics VIII Part 1

DENT 8102BHO
Specialist Periodontics VIII Part 2

8 units full year

prerequisite: DENT 8430 Specialist Periodontics VI

Prosthodontics

DENT 8110AHO
Specialist Prosthodontics VI Part 1
DENT 8110BHO
Specialist Prosthodontics VI Part 2

8 units full year

corequisite: DENT 8001AHO/BHO Research Methods, Experimental Design and 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
Specialist Prosthodontics VII Part 1

DENT 8111BHO
Specialist Prosthodontics VII Part 2

8 units full year

prerequisite: DENT 8110AHO/BHO 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
Specialist Prosthodontics VIII Part 1

DENT 8112BHO
Specialist Prosthodontics VIII Part 2

20 units full year

prerequisite: DENT 8111AHO/BHO 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

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

6 units semester 1 or 2

10 hours per week

prerequisite: DENT 8004HO 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

6 units semester 1 or 2

10 hours per week

prerequisite: DENT 8005HO 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

6 units semester 1 or 2

10 hours per week

prerequisite: DENT 8006HO D Clin Dent Research C

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

Doctor of Dental Science

Academic Program Rules

1 A person shall not be accepted as a candidate for the degree of Doctor of Dental Science until the expiration of at least four years from admission to the degree of Bachelor of Dental Surgery in the University of Adelaide provided that, in the case of a graduate in dentistry of another university who has been admitted ad eundem gradum in the University of Adelaide, the period of four years shall be reckoned from the date of the first graduation in dentistry.

2 Except in special cases approved by the Board of Research Education and Development, acting with authority wittingly devolved to it by Council only persons who have been admitted to the degree of Master of Dental Surgery or Master of Science in Dentistry or Doctor of Philosophy may become candidates for the degree of Doctor of Dental Science:

3 (a) A person who desires to become a candidate for the degree shall give notice of the intended candidature in writing to the Manager Graduate Administration and Scholarships, Adelaide Graduate Centre. At the same time, and in a separate statement, the applicant shall furnish particulars of personal achievements and a summary of the progress of knowledge relevant to the work proposed for the degree, and indicate where it is considered that the work advances dental knowledge or practice.

(b) The Faculty of Health Sciences shall appoint a committee to investigate the information submitted, including the quality and nature of the work to be submitted, and to advise the Faculty as to whether the Faculty should

(i) allow the applicant to proceed, and approve the subject or subjects of the work to be submitted

(ii) advise the applicant to revise the submission

(iii) advise the applicant not to submit the work *or*

(iv) not allow the applicant to proceed and the Faculty's decision shall be conveyed to the applicant.

(c) If the candidature is accepted and the candidate proceeds with the submission, the Faculty shall approve two or more examiners recommended by the committee of whom at least one shall be external to the University.

(d) The thesis may be written specially for the degree, or may be an already published work, or may be a series of papers. It shall not be a compilation from books, nor a mere compendium of cases, nor merely observational. On the recommendation of an examiner, a candidate may be required to undergo examination in the subject matter of, or in subjects cognate to, the thesis.

(e) In submitting published works, the candidate shall state generally in a preface and specifically in notes, the main sources from which the information was derived and the extent to which the work of others has been included, especially where joint publications are concerned. The candidate may also signify in general terms those parts of the work that are claimed as original. The candidate is also required to indicate what part, if any, of the work has been submitted for a degree in this or any other university.

4 To qualify for the degree, the candidate must satisfy the examiners that the thesis makes an original contribution of distinguished merit and advances knowledge in some branch of dental science.

5 The candidate shall lodge with the Adelaide Graduate Centre three copies of the work prepared in accordance with the directions given in sub-paragraph (b) of clause 2B of Chapter XXV of the Statutes. If the work is accepted for the degree the two of the copies will be transmitted to the University Library.

6 On receipt of the reports of the examiners appointed to adjudicate upon the thesis the Faculty of Health Sciences will recommend whether the degree be granted or withheld or delayed.

7 Notwithstanding anything contained in the preceding rules, the Faculty may in exceptional circumstances recommend the award of the degree to any person who is not a member of the staff of the University. Any such recommendation must be accompanied by evidence that the person for whom the award is proposed has made an original and substantial contribution of distinguished merit to some branch of dental science.

For further information please contact the Adelaide Graduate Centre.

Regulations allowed 10 December, 1942

Amended: 16 Mar. 1961: 5; 15 Jan. 1976: 7; 4 Feb. 1982: 5; 1 Mar. 1984: 2, 7

Regulations repealed and substituted 1 Mar. 1989; 21 Feb, 1991: 2

Rule approved and Regulation repealed 18 March 1999.

School of Economics

Website: www.adelaide.edu.au/econ

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Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to th Academic Program Rules to the Executive Deans of Faculties.

2 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

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 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 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 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 and Financial Data Analysis 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

*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 Academic Program Rules of the Graduate Diploma in Advanced Economics as a 3 unit course towards the Certificate.

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

4.3 In special circumstances, candidates may be given permission to substitute another course for courses specified in 4.1 above.

4.4 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.

4.5 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

Please refer to syllabus entry, page 131.

Graduate Certificate in International Economics

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 I 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 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 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 Academic program

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:

4.1.1 (a) at least one of the following International Economics courses (or their equivalent):

ECON 7036 International Trade and Investment Policy IID	3
ECON 7044 International Finance IIID	3
ECON 7072 International Trade IIID	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 7042 Risk Theory IIID	3
ECON 7044 International Finance IIID	3
ECON 7050 International Economic History IIID	3
ECON 7051 Economic and Financial 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 Academic Program Rules of the Graduate Diploma in Advanced Economics as a 3 unit course towards the Certificate.

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

4.3 In special circumstances, candidates may be given permission to substitute another course for courses specified in 4.1 above.

4.4 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.

4.5 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

Please refer to syllabus entry, page 131.

Graduate Diploma in Advanced Economics

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

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 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 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 Academic program

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.

4.1.1 (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

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

4.3 In special circumstances, candidates may be given permission to substitute another course for courses specified in 4.1 above.

4.4 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.

4.5 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

Please refer to syllabus entry, page 131.

Graduate Diploma in Applied Economics

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 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 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 Academic program

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.

4.1.1 (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 and Financial 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 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 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 Academic Program Rules of the Master of Applied Economics as a 3 unit course towards the Diploma.

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

4.3 In special circumstances, candidates may be given permission to substitute another course for courses specified in 4.1 above.

4.4 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.

4.5 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

Please refer to syllabus entry, page 131.

Graduate Diploma in International Economics

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 Academic 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 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 Academic program

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.

4.1.1 (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 and Financial 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 7042 Risk Theory IIID	3
ECON 7044 International Finance IIID	3
ECON 7050 International Economic History III D	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 Academic Program Rules of the Master of Applied Economics as a 3 unit course in the Diploma.

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

4.3 In special circumstances, candidates may be given permission to substitute another course for courses specified in 4.1 above.

4.4 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.

4.5 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

Please refer to syllabus entry, page 131.

Master of Applied Economics

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 the University of Adelaide at an average equivalent to a credit or better *or*

(b) has qualified for a degree of another university at an average equivalent to a credit or better, which degree the School regards as being equivalent to the degree Bachelor of Economics of the University of Adelaide *or*

(c) has qualified for a joint degree in Economics of the University of Adelaide or its equivalent from another university, supplemented by the satisfactory completion of bridging coursework as the School may deem necessary (courses to be specified by the Dean of School) *or*

(d) has qualified for a degree of the University of Adelaide 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 the University of Adelaide 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 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 Academic Program

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.

6.1.1 ECON 7096 Economic Theory IIID 3

6.1.2 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

6.1.3 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.

6.1.4 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.

6.1.5 one other elective course not previously or otherwise completed to be chosen from either 6.1.3 or 6.1.4.

6.1.6 *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 6.1.4 4

or

(iii) two additional units from 6.1.3 6

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 6.1.4 8

or

(iii) Three additional courses from 6.1.3 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

6.2 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 6.1.3 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.

6.3 In special circumstances, candidates may be given permission to substitute another course for courses listed in 6.1.1, 6.1.2 and 6.1.3 above.

6.4 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.

6.5 Graduation

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.

7 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 Academic Program Rules for any particular award.

Syllabuses

Please refer to syllabus entry, page 131.

Master of Applied Economics (International)

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 the University of Adelaide at an average equivalent to a credit or better *or*

(b) has qualified for a degree of another university at an average equivalent to a credit or better, which degree the School regards as being equivalent to the degree Bachelor of Economics of the University of Adelaide *or*

(c) has qualified for a joint degree in Economics of the University of Adelaide or its equivalent from another university, supplemented by the satisfactory completion of bridging coursework as the School may deem necessary (courses to be specified by the Dean of School *or*

(d) has qualified for a degree of the University of Adelaide 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 the University of Adelaide 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 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 Academic Program

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.

6.1.1 ECON 7072 International Trade IIID 3

and

ECON 7055 International Trade (H) 4

6.1.2 three elective course not previously or otherwise completed (9 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

6.1.3 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.

6.1.4 *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 6.1.3 4

or

(iii) two additional units from 6.1.2 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 6.1.3 8

or

(iii) Three additional courses selected from 6.1.2 9

or

(iv) Any combination of additional courses from 6.1.2 or 6.1.3 to the value of at least 8 units 8

6.2 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 6.1.2 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.

6.3 In special circumstances, candidates may be given permission to substitute another course for courses listed in 6.1.1, 6.1.2 and 6.1.3 above.

6.4 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.

6.5 Graduation

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.

7 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 Academic Program Rules for any particular award.

Syllabuses

Please refer to syllabus entry, page 131.

Master of Economics

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

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 the University of Adelaide *or*

(b) has qualified for an Honours degree of another university, which degree the School regards as being equivalent to a First or Second-Class Honours degree in Economics of the University of Adelaide *or*

(c) has qualified for the 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 the University of Adelaide, 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 Research Education and Development, 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 the University of Adelaide) to report upon the thesis. The examiners shall report to the School and may recommend:

(a) that the thesis or dissertation be accepted as satisfactory for the purposes of 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 the Adelaide Graduate Centre, 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.

5.5 Graduation

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.

6 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 Academic Program Rules for any particular award.

Master of Economics (Coursework)

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 the University of Adelaide *or*

(b) has qualified for an Honours degree of another university, which degree the School regards as being equivalent to a First or Second-Class Honours degree in Economics of the University of Adelaide *or*

(c) has qualified for the Graduate Diploma in Advanced Economics of the University of Adelaide *or*

(d) has shown satisfactory progress in the Master of Applied Economics or Master of Applied Economics (International) of the University of Adelaide, or its equivalent from another University, at a standard deemed by the School to be sufficient for admission to the 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

6.1 Academic program

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.

6.1.1	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 not previously or otherwise completed:

ECON 7001 Applied Econometrics IIID #	3
ECON 7014 Trade and Development	3
ECON 7021 Economic Growth and Agriculture	3
ECON 7022 Econometrics IIID #	3
ECON 7067 Economic Development	3
ECON 7090 Econometrics A	3
ECON 7091 Econometrics B	3
ECON 7092A/B Econometrics C	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

See 6.2 below.

* 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
or	
ECON 7133A/B Master of Economics Research Project A (Part-time)	9
or	
ECON 7108 Master of Economics Research Project B	6
or	
ECON 7134A/B Master of Economics Research Project B (Part-time)	6
or	
ECON 7109 Master of Economics Research Project C	3
or	
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 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.

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.

6.5.1 Students enrolled in previous years should consult the Postgraduate Adviser for advice on qualification requirements.

6.6 Graduation

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.

7 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 Academic Program Rules for any particular award.

Syllabuses

Please refer to syllabus entry, page 131.

Note: Please check with Course coordinator for information on prerequisite/assumed knowledge/restriction information.

ECON 7001
Applied Econometrics IIID

3 units semester 1

2 lectures, 1 tutorial a week

The course aims to develop an understanding of standard econometric methods, a capacity to formulate research problems so that they are amenable to quantification and a capacity to assess empirical research in economics critically. Tutorials will involve applications of econometric methods which use packaged programs.

assessment: final exam, tutorial participation, performance, project using techniques developed

ECON 7003
Special Topics in Financial Economics IIIA

4 units not offered in 2003

2 lectures, 2 tutorials per week

The two objectives of this course are to provide students with an understanding of computational finance and to give them practical experience with spreadsheet programming for financial-economic modeling. This 'hands-on' course will cover various financial models and their implementations on PCs. The computer lab assignments form an integral part of this intense course.

On the modeling side, the lectures will cover capital budgeting, valuation of bonds, stocks, options, futures and swaps, various mathematical techniques, Markowitz' mean-variance analysis, portfolio selection, systematic risk analysis, hedging strategies, credit risk measurement, performance measurement and optimal multi-currency, multi-asset, exact attribution analysis. On the programming side, the lectures will demonstrate, ie. the use of symbolic algebra (Maple embedded in Scientific Workplace) and 3-D visualisation (Matlab), while the lab assignments will cover analysing empirical data and identifying and realising multi-variate models, using algebraic and geometric (graphical) approaches in Windows 97 EXCEL spreadsheets.

assessment: weekly tutorial assignments, mid-term project, exam

ECON 7005
Economic Theory and the Environment IIIA

4 units semester 2

2 lectures, 1 tutorial per week

This course focuses on the links between the environment and the economy. It deals with the fundamental question of how the market system shapes incentives in a way that leads to environmental degradation and the manner in which economic incentives can be used to control environmental damage. Issues to be dealt with include: environmental externalities and common property goods, methods for measuring environmental benefits and costs, global externalities, international environmental agreements, compliance and monitoring problems.

assessment: essays, exams, tutorials

ECON 7006
Risk Theory IIIA

4 units not offered in 2003

3 lectures, 1 tutorial per week

This course covers the latest theories and empirical findings of risk measurement and their applications in finance. First, we discuss the different concepts of measuring risk, such as uncertainty, randomness and probability; the statistical invariants of stationarity and scaling; descriptors of serial dependence, discontinuity and concentration; the fractality or self-affinity of speculative market pricing, and the measurement and visualisation of market persistence, and log term dependence, by computing the Hurst Exponent, the Livy Stability Alpha and other Lipschitz-Hvlder exponents, using R/S analysis, windowed Fourier analysis, and wavelet multiresolution analysis. The modeling focus will be on fractionally differenced (ARFIMA) time series, in particular, on the Fractional Brownian Motion. Second, we use Value-at-Risk (VaR) as an organising paradigm for risk management, contrast it with a few alternative risk paradigms, and trace the implications of L-stable, heavy tail distributions of market pricing for portfolio risk management. Third, students will prepare different cases of financial risk and loss, catastrophe and disaster, and their management, for presentation in class.

This combined theoretical and practical approach helps the students to select relevant frameworks for analysis, concepts, tools and techniques applied to real financial-economic data; and to distinguish between information, knowledge and wisdom. Thus the students will be encouraged to think for themselves and to challenge accepted ideas and practices of the measurement and management of financial risk.

assessment: weekly tutorial assignments, mid-term project, exam

ECON 7007
International Finance IIIA

4units semester 1

2 lectures, 1 tutorial a week

This course deals with the analysis of two important and related macroeconomics issues in open economies: the exchange rate and the capital flows. The objectives of the course are two-fold: 1) to introduce main concepts, principles and models in the theory and empirical works in those two key areas of International Finance;

2) to apply the analytical tools to understand the relevant policy issues in the global markets. Based on additional reading materials (mostly from The Economist (a weekly magazine)), discussions on relevant current events from various parts of the globe will be carried out.

assessment: tutorial work and final exam

ECON 7009
Mathematical Economics (H)

4 units semester 1

2 hour lecture a week

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)

4 units semester 1

2 hour lecture a week

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.

assessment: assignments or 2 x 2 hour exams

ECON 7011
Microeconomics IID

3 units semester 1 or 2

2 lectures (some weeks, 3 lectures per week in Semester 2), 1 tutorial a week

This course builds on the microeconomic principles studied in the Level I Economics courses and provides an analysis of the way in which the market system functions as a mechanism for coordinating the independent choices of individual economic agents. It develops a basis for evaluating the efficiency and equity implications of competition and other market structures, and a perspective on the appropriate role of government. Included are the study of consumer choice, production and cost, market structure, and market failure.

assessment: exam, other assessment

ECON 7015
Industrial Organisation (H)

4 units semester 2

2 hour lecture a week

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 7016
Economic Theory and the Environment IIID

3 units semester 2

2 lectures, 1 tutorial per week

This course focuses on the links between the environment and the economy. It deals with the fundamental question of how the market system shapes incentives in a way that leads to environmental degradation and the manner in which economic incentives can be used to control environmental damage. Issues to be dealt with include: environmental externalities and common property goods, methods for measuring environmental benefits and costs, global externalities, international environmental agreements, compliance and monitoring problems.

assessment: essays, exams, tutorials

ECON 7022
Econometrics IIID

3 units semester 2

2 lectures, 1 tutorial a week

The objective of this course is to integrate economic models and econometric methods. Particular attention is paid to the relationship between economic and statistical models in selecting

the appropriate econometric tools, and on the interpretation of the resulting statistics. Topics covered include single equation estimation under the statisticians ideal conditions, and econometric methods to deal with the violation of these conditions, and estimation of simultaneous equation models.

assessment: project, final exam

ECON 7024
Special Topics (H)

4 units not offered in 2003

2 lectures, 1 tutorial a week

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)

4 units semester 1

2 hour lecture and 1 hour workshop a week

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. An informal introduction to competitive equilibrium, Pareto efficiency and the core of an economy will also be presented.

assessment: 1.5 hour mid-semester exam, 3 hour final exam

ECON 7034
Monetary Economics (H)

4 units not offered in 2003

Syllabus to be advised.

ECON 7036
International Trade and Investment Policy IID

3 units semester 1

This course examines the interactions between economic, political, strategic, and legal aspects of international trade and investment policies at national, regional and global levels. This includes the ways in which WTO members affect and are affected by regional and multilateral trade and economic integration agreements. The effects of trade and investment policy on the efficiency of resource use, on income distribution, and on national and global trade and economic welfare are analysed using trade theories and models of international trade and investment.

assessment: mid-term test, final exam, tutorial presentations

ECON 7038
Econometrics IIIA

4 units semester 2

2 lectures, 1 tutorial a week

The objective of this course is to integrate economic models and econometric methods. Particular attention is paid to the relationship between economic and statistical models in selecting the appropriate econometric tools, and on the interpretation of the resulting statistics. Topics covered include single equation estimation under the statisticians ideal conditions, and econometric methods to deal with the violation of these conditions, and estimation of simultaneous equation models.

assessment: project, final exam

ECON 7042
Risk Theory IIID

3 units not offered in 2003

3 lectures, 1 tutorial per week

This course covers the latest theories and empirical findings of risk measurement and their applications in finance. First, we discuss the different concepts of measuring risk, such as uncertainty, randomness and probability; the statistical invariants of stationarity and scaling; descriptors of serial dependence, discontinuity and concentration; the fractality or self-affinity of speculative market pricing, and the measurement and visualisation of market persistence, and log term dependence, by computing the Hurst Exponent, the Livy Stability Alpha and other Lipschitz-Hvlder exponents, using R/S analysis, windowed Fourier analysis, and wavelet multiresolution analysis. The modeling focus will be on fractionally differenced (ARFIMA) time series, in particular, on the Fractional Brownian Motion. Second, we use Value-at-Risk (VaR) as an organising paradigm for risk management, contrast it with a few alternative risk paradigms, and trace the implications of L-stable, heavy tail distributions of market pricing for portfolio risk management. Third, students will prepare different cases of financial risk and loss, catastrophe and disaster, and their management, for presentation in class.

This combined theoretical and practical approach helps the students to select relevant frameworks for analysis, concepts, tools and techniques applied to real financial-economic data; and to distinguish between information, knowledge and wisdom. Thus the students will be encouraged to think for themselves and to challenge accepted ideas and practices of the measurement and management of financial risk.

assessment: weekly tutorial assignments, mid-term project, exam

ECON 7043
Environmental Economics (H)

4 units not offered in 2003

Syllabus details to be advised

ECON 7044
International Finance IIID

3 units semester 1

2 lectures, 1 tutorial a week

This course deals with the analysis of two important and related macroeconomics issues in open economies: the exchange rate and the capital flows. The objectives of the course are two-fold: 1) to introduce main concepts, principles and models in the theory and empirical works in those two key areas of International Finance; 2) to apply the analytical tools to understand the relevant policy issues in the global markets. Based on additional reading materials (mostly from The Economist (a weekly magazine)), discussions on relevant current events from various parts of the globe will be carried out.

assessment: tutorial work and final exam

ECON 7047
Employment Relations IID

3 units semester 1

2 lectures, 1 tutorial a week

The course can be conceptually divided into two parts: employment relations theory and Australian industrial relations practice. The first part will include the following topics: a review of the disparate theories of industrial relations; analysis of the employment relationship; the effort bargain and the ideology of work; conflict and its resolution; the role of the state; functions of management and unions; direct bargaining and arbitration. The second has a policy emphasis covering the development of Australia's industrial and employment relations system; strike patterns; the nature and role of trade unions, employer associations and peak councils; State regulation; the industrial tribunals and the judiciary; the pattern of wage settlement and policy; national, industrial and workplace bargaining; recent radical changes of emphasis.

assessment: exam, assignments

ECON 7050
International Economic History IIID

3 units semester 2

2 lectures, 1 tutorial per week

The course surveys the evolution of the international economy in the 20th century. Attention is given to the development of world trade and trade policies, the international monetary system, international capital movements, the interwar depression, the postwar boom and the first and second periods of 'globalisation'. An examination is made of selected topics from the historical experience of the major industrial economies, especially the United States, which are relevant to an understanding of their current economic problems.

assessment: tutorial work, essay, exams

ECON 7051
Economic and Financial Data Analysis IID

3 units semester 1 or 2

2 lectures, 1 tutorial a week, 1 workshop per fortnight

This course provides an introduction to the techniques used to analyse economic data sets. Throughout the course, we will focus on the ability to use and understand the methods involved without requiring rigorous mathematical foundations. Basic computing skills using Excel will also be developed. It provides the theoretical and practical tools and understanding necessary to carry out single equation linear regression analysis, which is the most commonly used statistical technique in econometrics.

The first half of the course reviews and extends statistical theory necessary for this course and the simple linear regression model. The second half of the course discusses the various assumptions underpinning the classical linear regression model, the implications to estimation if these assumptions are not met, and how to overcome these problems.

assessment: tutorial work, mid-term multiple choice test, final exam

ECON 7053
Long Run Growth (H)

4 units semester 1

2-hour lecture a week

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%, 3 hour final exam 75%

ECON 7055
International Trade (H)

4 units semester 1

2 hour lecture a week

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)

4 units semester 2

2 hour lecture a week

This course deals with the analysis of two important and related issues in open economies: the exchange rate and the capital flows. The objectives of the course are two-fold: 1) to introduce main concepts, principles and models in the theory and empirical works in those two key areas of International Finance; 2) to apply the analytical tools to understand the relevant policy issues in the global markets. Based on additional reading materials (both from various economic journals and The Economist (a weekly magazine)), discussions on relevant current events from various parts of the globe will be carried out.

assessments: mid-term 30% and final exam 70%

ECON 7058
Development Economics IIID

3 units semester 1

2 lectures, 1 tutorial a week

The course is concerned with the economics of less-developed countries. Topics to be discussed include: the meaning and measurement of development, demographic change, trade, industrialisation, foreign aid and investment, poverty and income distribution, agricultural development and relevant growth theories.

assessment: exam, work completed during course

ECON 7059
Macroeconomics A (H)

4 units semester 1

2 hour lecture a week

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 7061
The Global Trading System IIID

3 units not offered in 2003

2 x 90-minute lectures/seminars a week

corequisite: ECON 7011 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.

assessment: each student will prepare and type a 2500 word project paper to be presented to the class near the end of the semester.

ECON 7065
Public Economics (H)

4 units not offered in 2003

Syllabus to be advised.

ECON 7067
Economic Development

3 units semester 2

2 hour lecture a week

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 7069
International Trade IIIA

4 units semester 2

2 lectures, 1 tutorial per week

This course deals with the theory and practice of international trade and of trade-related policies. It focuses on analysing the gains from trade, the changing patterns of trade, the income distributional consequences of liberalising foreign trade, the relationship between trade, investment, and economic growth, and the reasons for and consequences of trade policies.

assessment: mid-term test, final exam, tutorial presentations

ECON 7070
Labour Economics IIID

3 units not offered in 2003

2 lectures, 1 tutorial per week

This subject presents an understanding of how the labour market works and the institutions which are peculiar to it. The topics studied will include the nature of the Australian labour market; factors influencing the relative wage structure; unemployment and the labour force; determinants of the quality and quantity of the work force. The subject is taught in a way which is designed to increase students general skills in analysis, argument, oral and written communication and teamwork.

assessment: exam, work completed during subject, determined in consultation with students

ECON 7071
Macroeconomics IID

3 units semester 1 or 2

2 lectures, 1 tutorial a week

The first year macroeconomics course provided a broad overview of the subject area. In this course, the aim is to delve a little deeper into the subject. Macroeconomics is concerned with the behaviour of the economy as a whole. In particular it addresses the big issues which affect us on a day to day basis. As macro-economists we want to know why some countries grow more quickly than others, why some experience high inflation while others have stable prices and why all countries experience recessions and booms. Furthermore, we want to know if government policy can have an impact on these factors. The aim of Macroeconomics IID is to provide these tools and give a deeper understanding of these issues. It is intended that this course leads on from the first year macroeconomics course and provides a smooth transition for those intending to pursue macroeconomics in later years.

assessment: tutorial performance, mid-term exam, final 3 hour exam

ECON 7072
International Trade IIID

3 units semester 2

2 lectures, 1 tutorial per week

This course deals with the theory and practice of international trade and of trade-related policies. It focuses on analysing the gains from trade, the changing patterns of trade, the income distributional consequences of liberalising foreign trade, the relationship between trade, investment, and economic growth, and the reasons for and consequences of trade policies.

assessment: mid-term test, final exam, tutorial presentations

ECON 7074
Business Data Analysis IID

3 units semester 1 or 2

2 lectures, 1 tutorial per week.

Quota may apply

This introductory course covers collecting and organising data, drawing conclusions and commenting intelligently on the statistical results obtained. Topics include descriptive statistics, correlation and simple regression, index numbers, time series analysis and an introduction to the use of probability in formal statistical inference. Students are taught how to access a statistical database, how to use EXCEL to do the statistical calculations and how to present their work using WORD.

assessment: assignments, computer delivered tests, exam

ECON 7075
Mathematical Economics IID

3 units semester 1

2 lectures; 1 tutorial a week

This course concentrates on the basic mathematical methods that are required to understand current economics and to investigate economic models. Topics may include optimisation with and without constraints; linear models; matrix algebra and introductory game theory.

assessment: exam, test

ECON 7076
Australian Economic History IID

3 units semester 1

2 lectures, 1 tutorial a week

The course covers the development of the Australian economy viewed in a comparative perspective. Emphasis is given to topics which provide relevant background to Australia's recent economic performance and current policy issues. These include structural changes, factor market performance, economic growth and fluctuations, governments and markets, regional disparities, international economic influences and economic well-being.

assessment: tutorial work, essay, exams

ECON 7077
Economic Development (H)

4 units semester 2

2 hour lecture a week

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 7082
Applied Econometrics IIIA

4 units semester 1

2 lectures, 1 tutorial a week

The course aims to develop an understanding of standard econometric methods, a capacity to formulate research problems so that they are amenable to quantification and a capacity to assess empirical research in economics critically. Tutorials will involve applications of econometric methods which use packaged programs.

assessment: final exam, tutorial participation, performance, project using techniques developed

ECON 7086
Advanced Macroeconomics

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

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 7089
Development Economics IIIA

4 units semester 1

2 lectures, 1 tutorial a week

The course is concerned with the economics of less-developed countries. Topics to be discussed include: the meaning and measurement of development, demographic change, trade, industrialisation, foreign aid and investment, poverty and income distribution, agricultural development and relevant growth theories.

assessment: exam, work completed during course

ECON 7090
Econometrics A

3 units semester 1

2 hour lecture a week

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.

assessment: assignments or 2 x 2 hour exams

ECON 7091
Econometrics B

3 units semester 2

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.

assessment: assignments or 2 x 2 hour exams

ECON 7092A
Econometrics C Part 1

ECON 7092B
Econometrics C Part 2

3 units full year

2 hour lecture a week

Econometrics C comprises the first half of Econometrics A and the first half of Econometrics B.

ECON 7093
Econometrics B (H)

4 units semester 2

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.

assessment: assignments or 2 x 2 hour exams

ECON 7094A
Econometrics C (H) Part 1

ECON 7094B
Econometrics C (H) Part 2

4 units full year

2 hour lecture a week

Econometrics C (H) comprises the first half of ECON 7010 Econometrics A (H) and first half of ECON 7093 Econometrics B (H).

ECON 7095
Economic Theory IIIA

4 units semester 2

2 lectures, 1 tutorial a week

This subject deals with additions to, and extensions of aspects of economic theory covered in ECON 2011 Macroeconomics II and ECON 2009 Microeconomics II. Topics covered include general equilibrium and welfare economies, extensions of consumption and production theory, open economy models, the role of wealth, expectations, government budget and quantity constraints, game theory.

assessment: test, exam

ECON 7096
Economic Theory IIID

3 units semester 2

2 lectures, 1 tutorial a week

This subject deals with additions to, and extensions of aspects of economic theory covered in ECON 2011 Macroeconomics II and ECON 2009 Microeconomics II. Topics covered include general equilibrium and welfare economies, extensions of consumption and production theory, open economy models, the role of wealth, expectations, government budget and quantity constraints, game theory.

assessment: test, exam

ECON 7097
Environmental Economics IV

3 units not offered in 2003

ECON 7098
Industrial Organisation

3 units semester 2

2 hour lecture a week

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 7099
International Economic History IIIA

4 units semester 2

2 lectures, 1 tutorial per week

The course surveys the evolution of the international economy in the 20th century. Attention is given to the development of world trade and trade policies, the international monetary system, international capital movements, the interwar depression, the postwar boom and the first and second periods of 'globalisation'. An examination is made of selected topics from the historical experience of the major industrial economies, especially the United States, which are relevant to an understanding of their current economic problems.

assessment: tutorial work, essay, exams

ECON 7100
International Finance IV

3 units semester 2

2 hour lecture a week

This course deals with the analysis of two important and related issues in open economies: the exchange rate and the capital flows. The objectives of the course are two-fold: 1) to introduce main concepts, principles and models in the theory and empirical works in those two key areas of International Finance; 2) to apply the analytical tools to understand the relevant policy issues in the global markets. Based on additional reading materials (both from various economic journals and The Economist (a weekly magazine)), discussions on relevant current events from various parts of the globe will be carried out.

assessments: mid-term 30% and final exam 70%

ECON 7102
International Trade

3 units semester 1

2 hour lecture a week

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 7103
Labour Economics

3 units not offered in 2003

An advanced treatment of current topics in labour economics.

assessment: set in consultation with students - usually based on a research project and final exam

ECON 7104
Labour Economics (H)

4 units not offered in 2003

An advanced treatment of current topics in labour economics.

assessment: set in consultation with students - usually based on a research project and final exam

ECON 7105
Labour Economics IIIA

4 units not offered in 2003

2 lectures, 1 tutorial per week

This subject presents an understanding of how the labour market works and the institutions which are peculiar to it. The topics studied will include the nature of the Australian labour market; factors influencing the relative wage structure; unemployment and the labour force; determinants of the quality and quantity of the work force. The subject is taught in a way which is designed to increase students general skills in analysis, argument, oral and written communication and teamwork.

assessment: exam, work completed during subject, determined in consultation with students

ECON 7106
Long Run Growth

3 units semester 1

2 hour lecture a week

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%,3 hour final exam 75%

ECON 7110
Mathematical Economics

3 units semester 1

2 hour lecture a week

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 7112
Monetary Economics

3 units not offered in 2003

Syllabus to be advised

ECON 7113
Money, Banking and Financial Markets IIIA

4 units semester 1

2 lectures, 1 tutorial per week

This course links the fields of macroeconomics and finance. It provides coverage of economic principles that underlie the operation of banks and other financial institutions. The role of money in the economy and the impact of monetary policy on the macroeconomy are emphasised, as is understanding the foreign exchange market and some basics of international finance. More broadly, this course will develop simple economic tools which will allow students to systematically analyse some of the important monetary and financial problems and developments in the world economy (such as crises in emerging economies).

assessment: mid-term test, final exam, assignments

ECON 7114
Money, Banking and Financial Markets IIID

3 units semester 1

2 lectures, 1 tutorial per week

This course links the fields of macroeconomics and finance. It provides coverage of economic principles that underlie the operation of banks and other financial institutions. The role of money in the economy and the impact of monetary policy on the macroeconomy are emphasised, as is understanding the foreign exchange market and some basics of international finance. More broadly, this course will develop simple economic tools which will allow students to systematically analyse some of the important monetary and financial problems and developments in the world economy (such as crises in emerging economies).

assessment: mid-term test, final exam, assignments

ECON 7115
Public Economics

3 units not offered in 2003

Syllabus to be advised

ECON 7123
Special Topics in Economics

3 units not offered in 2003

Syllabus to be advised

Reading topics

ECON 7117
Reading Topics A

3 units semester 1 or 2

This course will cover selected topics in Economics. The topics offered each year will depend on the availability of staff, including visitors, and their research interests.

ECON 7118
Reading Topics B

3 units semester 1 or 2

This course will cover selected topics in Economics. The topics offered each year will depend on the availability of staff, including visitors, and their research interests.

ECON 7119
Reading Topics C

3 units semester 1 or 2

This course will cover selected topics in Economics. The topics offered each year will depend on the availability of staff, including visitors, and their research interests.

ECON 7120
Reading Topics D

3 units semester 1 or 2

This course will cover selected topics in Economics. The topics offered each year will depend on the availability of staff, including visitors, and their research interests.

ECON 7121
Reading Topics E

3 units semester 1 or 2

This course will cover selected topics in Economics. The topics offered each year will depend on the availability of staff, including visitors, and their research interests.

ECON 7122
Reading Topics F

3 units semester 1 or 2

This course will cover selected topics in Economics. The topics offered each year will depend on the availability of staff, including visitors, and their research interests.

Dissertations and projects

Master of Applied Economics - dissertations

ECON 7049
Master of Applied Economics Dissertation A

16 units semester 1 or 2

Each student is to undertake an individual research project that 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 7128A/B
Master of Applied Economics Dissertation A (Part Time)

16 units full year

Each student is to undertake an individual research project that 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 7084
Master of Applied Economics Dissertation B

12 units semester 1 or 2

Each student is to undertake an individual research project that 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 7129A/B
Master of Applied Economics Dissertation B (Part Time)

12 units full year

Each student is to undertake an individual research project that 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 Applied Economics - projects

ECON 7048
Master of Applied Economics Project

8 units semester 1 or 2

Each student is to undertake an individual research project that 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 7136A/B
Master of Applied Economics Project (P/T)

8 units full year

Each student is to undertake an individual research project that 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

Master of Applied Economics International - dissertations

ECON 7013
Master of Applied Economics International Dissertation A

16 units semester 1 or 2

Each student is to undertake an individual research project that 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 7085A/B
Master of Applied Economics International Dissertation A (Part Time)

16 units full year

Each student is to undertake an individual research project that 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

12 units semester 1 or 2

Each student is to undertake an individual research project that 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 7127A/B
Master of Applied Economics International Dissertation B (Part Time)

12 units full year

Each student is to undertake an individual research project that 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 Applied Economics International - projects

ECON 7008
Master of Applied Economics International Project

8 units semester 1 or 2

Each student is to undertake an individual research project that 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 7137A/B
Master of Applied Economics International Project (Part Time)

8 units full year

Each student is to undertake an individual research project that 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

Master of Economics - dissertations

ECON 7020
Master of Economics Dissertation B

ECON 7057
Master of Economics Dissertation C

ECON 7063
Master of Economics Dissertation A

Contact the School of Economics for information.

Master of Economics - projects

ECON 7107
Master of Economics Research Project A

9 units semester 1 or 2

Each student is to undertake an individual research project that exhibits original investigation analysis and interpretation.

assessment: project (approximately 15,000 words)

ECON 7133A/B
M Ec Research Project A (Part Time)

9 units full year

Each student is to undertake an individual research project that exhibits original investigation analysis and interpretation.

assessment: project (approximately 15,000 words)

ECON 7108
Master of Economics Research Project B

6 units semester 1 or 2

Each student is to undertake an individual research project that exhibits original investigation analysis and interpretation.

assessment: project (approximately 10,000 words)

ECON 7134A/B
Master of Economics Research Project B (Part Time)

6 units full year

Each student is to undertake an individual research project that exhibits original investigation analysis and interpretation.

assessment: project (approximately 10,000 words)

ECON 7109
Master of Economics Research Project C

3 units semester 1 or 2

Each student is to undertake an individual research project that exhibits original investigation analysis and interpretation.

assessment: project (approximately 5,000 words)

ECON 7135A/B
Master of Economics Research Project C (Part Time)

3 units full year

Each student is to undertake an individual research project that exhibits original investigation analysis and interpretation.

assessment: project (approximately 5,000 words)

Graduate School of Education

Website: www.adelaide.edu.au/professions/education/

Contents

+ There will be no further intake into this academic program. For Information please refer to the *University Calendar Volume II: Handbook of Courses 2002*.

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 Academic Program Rules to the Executive Deans of Faculties.

2 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

Note: There will be no further intake into this program.

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 one year, 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 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 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

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

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

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Graduate Diploma of Education for syllabus details.

Graduate Diploma in Education

Completion of this program satisfies the requirements for registration with the Teacher Registration Board of South Australia.

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

4.1 Academic program

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.

4.1.1 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

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
EDUC 4043A/B Vietnamese 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 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

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

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

EDUC 4051
Teaching Practice Part II

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

Business

EDUC 4001A
Accounting Curriculum and Methodology Part 1

EDUC 4001B
Accounting Curriculum and Methodology Part 2

2 units full year

prerequisite: pass in Level II or III accounting course

EDUC 4004A
Business Studies Curriculum & Methodology Part 1

EDUC 4004B
Business Studies Curriculum & Methodology Part 2

2 units full year

prerequisite: pass in Level II or III business course

EDUC 4009A
Economics Curriculum and Methodology Part 1

EDUC 4009B
Economics Curriculum and Methodology Part 2

2 units full year

prerequisite: pass in Level II or III economics course

English

EDUC 4013A
General English Curriculum & Methodology Part 1

EDUC 4013B
General English Curriculum & Methodology Part 2

2 units full year

prerequisite: pass in Level II or III English course

EDUC 4032A
Senior English Curriculum and Methodology Part 1

EDUC 4032B
Senior English Curriculum and Methodology Part 2

2 units full year

prerequisite: pass in Level III English course or equivalent

pre/corequisite: EDUC 4013A/B General English Curriculum and Methodology

General

EDUC 4002A
Adult Learner Curriculum and Methodology Part 1

EDUC 4002B
Adult Learner Curriculum and Methodology Part 2

2 units full year

subject to staffing

pre/corequisite: EDUC4039 Student-Teacher Interaction in the Classroom

EDUC 4011A
Extended Specialist Curriculum Part 1

EDUC 4011B
Extended Specialist Curriculum Part 2

2 units full year

restriction: only with the agreement of Head of School

EDUC 4037A
Specialist Curriculum Part 1

EDUC 4037B
Specialist Curriculum Part 2

1 unit full year

restriction: only with the agreement of Head of School

Humanities

EDUC 4014A
Geography Curriculum and Methodology Part 1

EDUC 4014B
Geography Curriculum and Methodology Part 2

2 units full year

prerequisite: pass in Level III geography course. In certain circumstances Level II geography courses may be accepted

pre/corequisite: EDUC 4034 Studies of Society and Environment

EDUC 4016A
History Curriculum and Methodology Part 1

EDUC 4016B
History Curriculum and Methodology Part 2

2 units full year

prerequisite: pass in Level III history course. In certain circumstances Level II history courses may be accepted

pre/corequisite: EDUC 4034 Studies of Society and Environment

EDUC 4026A
Legal Studies Curriculum and Methodology Part 1

EDUC 4026B
Legal Studies Curriculum and Methodology Part 2

2 units full year

prerequisite: pass in Level II or III law or legal studies courses

pre/corequisite: EDUC 4034 Studies of Society and Environment

EDUC 4034A
Studies of Society and Environment Part 1

EDUC 4034B
Studies of Society and Environment Part 2

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
Chinese Curriculum and Methodology Part 1

EDUC 4006B
Chinese Curriculum and Methodology Part 2

1 unit full year

prerequisite: pass at Level III Chinese or equivalent

pre/corequisite: EDUC 4025 Language Methodology or EDUC 4027 Modern Languages Curriculum and Methodology

EDUC 4010A
English as a Second Language Curriculum & Method Part 1

EDUC 4010B
English as a Second Language Curriculum & Method Part 2

1 unit full year

prerequisite: pass in Linguistics at level II or III, or equivalent.

pre/corequisite: EDUC 4025 Language Methodology or EDUC 4027 Modern Languages Curriculum and Methodology

EDUC 4012A
French Curriculum and Methodology Part 1

EDUC 4012B
French Curriculum and Methodology Part 2

1 unit full year

prerequisite: pass at Level III French or equivalent

pre/corequisite: EDUC 4025 Language Methodology or EDUC 4027 Modern Languages Curriculum and Methodology

EDUC 4015A
German Curriculum and Methodology Part 1

EDUC 4015B
German Curriculum and Methodology Part 2

1 unit full year

prerequisite: pass at Level III German or equivalent

pre/corequisite: EDUC 4025 Language Methodology or EDUC 4027 Modern Languages Curriculum and Methodology

EDUC 4017A
Indonesian Curriculum and Methodology Part 1

EDUC 4017B
Indonesian Curriculum and Methodology Part 2

1 unit full year

prerequisite: pass at Level III Indonesian or equivalent

pre/corequisite: EDUC 4025 Language Methodology or EDUC 4027 Modern Languages Curriculum and Methodology

EDUC 4021A
Italian Curriculum and Methodology Part 1

EDUC 4021B
Italian Curriculum and Methodology Part 2

1 unit full year

prerequisite: pass at Level III Italian or equivalent

pre/corequisite: EDUC 4025 Language Methodology or EDUC 4027 Modern Languages Curriculum and Methodology

EDUC 4022A
Japanese Curriculum and Methodology Part 1

EDUC 4022B
Japanese Curriculum and Methodology Part 2

1 unit full year

prerequisite: pass at Level III Japanese or equivalent

pre/corequisite: EDUC 4025 Language Methodology or EDUC 4027 Modern Languages Curriculum and Methodology

EDUC 4025A
Language Methodology Part 1

EDUC 4025B
Language Methodology Part 2

3 units full year

prerequisite: pass in a Level III language other than English course

EDUC 4027A
Modern Language Curriculum and Methodology Part 1

EDUC 4027B
Modern Language Curriculum and Methodology Part 2

2 units full year

prerequisite: pass in a Level II language other than English course

This course is for students not enrolled for a specialist language.

EDUC 4036A
Spanish Curriculum & Methodology Part 1

EDUC 4036B
Spanish Curriculum & Methodology Part 2

1 unit full year

prerequisite: pass at Level III Spanish or equivalent

pre/corequisite: EDUC 4025 Language Methodology or EDUC 4027 Modern Languages Curriculum and Methodology

EDUC 4038A
Other Language Curriculum and Methodology Part 1

EDUC 4038B
Other Language Curriculum and Methodology Part 2

1 unit full year

prerequisite: pass in the appropriate language at Level III or equivalent

pre/corequisite: EDUC 4025 Language Methodology or EDUC 4027 Modern Languages Curriculum and Methodology

EDUC 4043A
Vietnamese Curriculum and Methodology Part 1

EDUC 4043B
Vietnamese Curriculum and Methodology Part 2

1 unit full year

prerequisite: pass at Level III Vietnamese or equivalent

pre/corequisite: EDUC 4025 Language Methodology or EDUC 4027 Modern Languages Curriculum and Methodology

Mathematics

EDUC 4018A
Information Technology Curriculum and Method Part 1

EDUC 4018B
Information Technology Curriculum and Method Part 2

2 units full year

subject to staffing

prerequisite: pass at Level III Computer Studies

EDUC 4023A
Junior Mathematics Curriculum & Methodology Part 1

EDUC 4023B
Junior Mathematics Curriculum & Methodology Part 2

2 units full year

prerequisite: pass in Mathematics I or equivalent

EDUC 4033A
Senior Mathematics Curriculum & Methodology Part 1

EDUC 4033B
Senior Mathematics Curriculum & Methodology Part 2

2 units full year

prerequisite: pass in Level III mathematics course

pre/corequisite: EDUC 4023 Junior Mathematics Curriculum and Methodology

Music

EDUC 4007A
Classroom Music Curriculum and Methodology Part 1

EDUC 4007B
Classroom Music Curriculum and Methodology Part 2

3 units full year

prerequisite: degree in Music or a pass in Level III music course

EDUC 4019A
Instrumental Music Curriculum & Methodology Part 1

EDUC 4019B
Instrumental Music Curriculum & Methodology Part 2

3 units full year

prerequisite: degree in Music, or a pass in Level III music course, plus recognised instrumental qualifications

pre/corequisite: EDUC 4007 Classroom Music Curriculum and Methodology

Science

EDUC 4003A
Biology Curriculum and Methodology Part 1

EDUC 4003B
Biology Curriculum and Methodology Part 2

2 units full year

prerequisite: pass in a Level III biological science course

pre/corequisite: EDUC 4024 Junior Science Curriculum and Methodology

EDUC 4005A
Chemistry Curriculum and Methodology Part 1

EDUC 4005B
Chemistry Curriculum and Methodology Part 2

2 units full year

prerequisite: pass in a Level III chemical science course

pre/corequisite: EDUC 4024 Junior Science Curriculum and Methodology

EDUC 4024A
Junior Science Curriculum and Methodology Part 1

EDUC 4024B
Junior Science Curriculum and Methodology Part 2

2 units full year

prerequisite: pass in two Level I physical and biological science courses

EDUC 4028A
Physics Curriculum and Methodology Part 1

EDUC 4028B
Physics Curriculum and Methodology Part 2

2 units full year

prerequisite: pass in Level III physics course

pre/corequisite: EDUC 4024 Junior Science Curriculum and Methodology

Education studies courses

EDUC 4008A
Curriculum in its Context Part 1

EDUC 4008B
Curriculum in its Context Part 2

2 units full year

2 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 issues in education/outline of conceptual bases of main teaching course

EDUC 4031A
Professional Studies Part 1

EDUC 4031B
Professional Studies Part 2

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
Social and Cultural Context of Learning Part 1

EDUC 4035B
Social and Cultural Context of Learning Part 2

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
Student-Teacher Interaction in the Classroom Part 1

EDUC 4039B
Student-Teacher Interaction in the Classroom Part 2

3 units full year

3-4 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

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 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.

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 16 units for courses listed in the 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

4.1 Academic program

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

4.1.1 Educational courses

All candidates shall complete at least 8 units, and up to 16 units, from the following:

EDUC 5001 Adult Psychology and Education	4
EDUC 5007 Education in Multilingual Settings	4
EDUC 5011 Families, Schools and Students' Outcomes	4

EDUC 5012 Gender, Education and Social Change	4
EDUC 5013A/B Honours Mathematics (Education)	8
EDUC 5017 Mathematics Education	4
EDUC 5018 Multicultural Society & Educational Policy	4
EDUC 5021 Religion, Education and Social Change	4
EDUC 5022 Schools as Cultural Systems	4
EDUC 5023 Scientific Revolutions and Education	4
EDUC 5028 Theories of Psychology in Education	4

4.1.2 Elective courses

All candidates shall complete elective courses to the value of at least 8 units, and up to 16 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.

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See M.Ed Studies for syllabus details.

Master of Education

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 the University of Adelaide 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

4.1 Academic program

All students shall satisfactorily complete a coursework component to the value of six units, a research methodology course, and a thesis.

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.

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

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

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a program of study comprising two semesters of full-time study or not more than six years of part-time study.

2 Admission

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 8 units on account of courses presented for any other award, except the Bachelor of Educational Studies where up to 12 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 8 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

4.1 Academic program

To qualify for the degree of Master of Educational Studies, a candidate shall satisfactorily complete courses to the value of 24 units, as follows.

4.1.1 Research Methodology courses

All candidates shall complete one of the following research methodology courses:

EDUC 5019 Qualitative Approaches to Educational Research	4
EDUC 5020 Quantitative Educational Research	4
EDUC 5026 Introduction to Statistics in Educational Research	4

4.1.2 Elective courses

All candidates shall complete elective courses to the value of 12 units selected from the following:

EDUC 5001 Adult Psychology & Education	4
EDUC 5006 Education Directed Study	4
EDUC 5007 Education in Multilingual Settings	4
EDUC 5011 Families, Schools and Students' Outcomes	4
EDUC 5012 Gender, Education and Social Change	4
EDUC 5013A/B Honours Mathematics (Education)	8
EDUC 5017 Mathematics Education	4
EDUC 5018 Multicultural Society & Educational Policy	4
EDUC 5021 Religion, Education and Social Change	4
EDUC 5022 Schools as Cultural Systems	4
EDUC 5023 Scientific Revolutions and Education	4
EDUC 5028 Theories of Psychology in Education	4

and

Approved courses listed for any relevant coursework Masters program. Advice on appropriate options is available from the Graduate School of Education.

Transition Courses

EDUC 5002 Education Directed Study (2 unit)	2
EDUC 5005 Education Directed Study (3 unit)	3
EDUC 5006 Education 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	4

and

one additional elective from 4.1.2 above

or

EDUC 5501 Education Research Project F/T	8

or

EDUC 5502A/B Education Research Project P/T	8

4.3 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

EDUC 5007
Education in Multilingual Settings

4 units semester 1

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 3000 word essays; seminar paper

EDUC 5011
Families, Schools and Students' Outcomes

4 units not offered in 2003

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 3000 word or 1 x 6000 word essay

EDUC 5013A
Honours Mathematics (Education) Part 1

EDUC 5013B
Honours Mathematics (Education) Part 2

8 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 EDUC 5017 Mathematics Education 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 5018
Multicultural Society and Educational Policy

4 units semester 2

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 3000 word essays, seminar paper

EDUC 5021
Religion, Education and Social Change

4 units not offered in 2003

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 3000 word essays

EDUC 5026
Introduction to Statistics in Educational Research

4 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

4 units semester 2

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.

assessment: essay, seminar papers, reviews

Research component courses

EDUC 5500
Education Minor Project

4 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: 6000 word literature review

EDUC 5501
Education Research Project F/T

8 units semester 1 or 2

EDUC 5502A
Education Research Project P/T Part 1

EDUC 5502B
Education Research Project P/T Part 2

8 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 12,000 words.

Transition courses

EDUC 5002
Education Directed Study (2 unit)

EDUC 5005
Education Directed Study (3 unit)

Contact Department for further details.

EDUC 5006
Education Directed Study (4 unit)

4 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 6000 words

Doctor of Education

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 the University of Adelaide, or a degree of another institution accepted by the Faculty for the purpose as equivalent, and have at least five years experience in the profession of Education *or*

(b) have qualified for an Honours degree and for a Graduate Diploma in Education in Education of the University of Adelaide, or the Honours degree and educational qualification of another institution accepted by the Faculty for the purpose as equivalent, and have at least five years' 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 the Adelaide Graduate Centre, 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, in accordance with the Adelaide Graduate Centre 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 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 the Adelaide Graduate Centre. The Centre 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 the Adelaide Graduate Centre 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 the Adelaide Graduate Centre, 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 the Adelaide Graduate Centre, 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 Adelaide Graduate Centre.

5 Qualification requirements

5.1 A candidate shall pursue a program of study and research approved by the Adelaide Graduate Centre in consultation with the Head of the Graduate School of Education

5.2 Academic program

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 9003 Research Strategies in Education: Qualitative	6
EDUC 9004 Research Strategies in Education: Quantitative	6
EDUC 9005 Research Strategies in Education: Cross-cultural	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 fours 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 the Adelaide Graduate Centre. 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.

5.3 Graduation

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.

6 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 Academic Program Rules for any particular award.

EDUC 9001
Issues in Professional Research

6 units semester 1 or 2

2 hours per week

This course provides students with the opportunity to develop their D.Ed. research proposal for subsequent submission to the Graduate Centre. Through discussion with supervisors and participation in research seminars with other doctoral students, they will be expected to do a detailed literature review relevant to their proposed area of study, decide on the specific aims of their three research projects, work out the methods of data collection and analysis to be used and be able to justify these.

assessment: research proposal (4000 - 5000 words), development of research instruments (3000 - 4000 words)

EDUC 9003
Research Strategies in Education: Qualitative

6 units semester 2

2 hours 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 ad formally presenting the thesis.

assessment: seminar participation; practical data collection; development of initial research proposal, totalling 8000 words

EDUC 9004
Research Strategies in Education: Quantitative

6 units semester 2

2 hours seminar 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 9005
Research Strategies in Education: Cross-Cultural

6 units semester 2

2 hours per week

In this course students will be able to consider methodological approaches to cross-cultural research in education. It will focus on ways to take account of cultural differences between the researcher and the respondents, as well as cultural variations among the respondents. Examples of cross-cultural research will be discussed.

assessment: essays and assignments totalling 8000 words

Faculty of Engineering, Computer and Mathematical Sciences

Website: www.adelaide.edu.au/ecms

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Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties

2 Council has delegated the power to specify syllabuses to the Head of each school 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 school or centre may approve minor changes to any previously approved syllabus.

Graduate Certificate in Business Enterprise (SME)

Note: Postgraduate tuition fees apply to this program.

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 have qualified for admission to a degree of the University or for a degree of another institution accepted for the purpose by the Faculty.

2.2 The Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the 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.

2.3 Status, exemption and credit transfer

Except with the special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for another award. Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.4 Articulation with other awards

A candidate for the Graduate Diploma in Business Enterprise (SME) who does not complete the requirements for the Graduate Diploma but satisfies requirements for the Graduate Certificate may be admitted to the Graduate Certificate in Business Enterprise (SME).

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 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 Academic program

To qualify for the Graduate Certificate a candidate shall satisfactorily complete courses to the value of 12 units, comprising at least 9 units from the list of core courses below and an additional 3 units from either the core or elective courses.

4.1.2 Core courses

MECH ENG 5003TB Leading and Managing	3
MECH ENG 5011TB New Enterprise Financial Management	3
MECH ENG 5012TB Opportunity Assessment	3
MECH ENG 5013TB New Enterprise Marketing	3

4.1.3 Elective courses *

MECH ENG 5005TB Entrepreneurship and Innovation	3
MECH ENG 5014TB New Enterprise Operations	3
TECHCOMM 5001 Marketing Technological Innovation	3
TECHCOMM 5002 Managing Product Design and Development	3
TECHCOMM 5003 Strategic Analysis for Technology Commercialisation	3
TECHCOMM 5004 Managing Risk	3

TECHCOMM 5005 Financing Commercialisation	3
TECHCOMM 5006 Technology Management and Transfer	3
TECHCOMM 5007 Legal Issues of the Commercialisation Process	3
TECHCOMM 5008 Creative and Innovative Management	3
TECHCOMM 5009 Business and Contract Management	3
TECHCOMM 5011 Internationalisation of Technology	3

* Students should discuss their choice of electives with the Program Coordinator

4.2 Unacceptable combination 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabus

See Master of Science and Technology Commercialisation for syllabus details.

Graduate Certificate in Commercialisation

Academic Program Rules

1 General

The Graduate Certificate in Commercialisation shall be available in three streams:

Science and Technology

Entrepreneurship

Innovation Management

Candidates may obtain only one of these streams.

2 Duration of program

The Graduate Certificate may be completed in a minimum of two terms, or participants can study at their own pace provided the four courses are completed within six terms.

3 Admission

3.1 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 Faculty for the purpose as equivalent to a degree of the University.

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

3.3 Status, exemption and credit transfer

Candidates who have previously passed courses in postgraduate awards or equivalent in the University of Adelaide or another 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.

3.4 Articulation with other awards

A candidate for the Graduate Diploma in Commercialisation 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 in Commercialisation.

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 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.

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

4.4 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.

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

5 Qualification requirements

5.1 Academic program

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

At least 3 courses should be taken from the list of core courses for one of the available streams, with the remaining course selected from either core or elective courses.

5.1.1 Core courses

Science and Technology

MECH ENG 5003TB Leading and Managing	3
TECHCOMM 5001 Marketing Technological Innovation	3
TECHCOMM 5003 Strategic Analysis for Technology Commercialisation	3
TECHCOMM 5004 Managing Risk	3
TECHCOMM 5005 Financing Commercialisation	3
TECHCOMM 5006 Technology Management and transfer	3
TECHCOMM 5007 Legal Issues of the Commercialisation Process	3
TECHCOMM 5011 Internationalisation of Technology	3

Entrepreneurship

MECH ENG 5003TB Leading and Managing	3
MECH ENG 5011TB New Enterprise Financial Management	3
MECH ENG 5012TB Opportunity Assessment	3
MECH ENG 5013TB New Enterprise Marketing	3

Innovation Management

MECH ENG 5003TB Leading and Managing	3
MECH ENG 5005TB Entrepreneurship and Innovation	3
TECHCOMM 5003 Strategic Analysis for Technology Commercialisation	3
TECHCOMM 5008 Creative and Innovative Management	3

5.1.2 Elective courses *

MECH ENG 5010TB Applied Project Management	3
MECH ENG 5014TB New Enterprise Operations	3
TECHCOMM 5002 Managing Product Design and Development	3
TECHCOMM 5009 Business and Contract Management	3

* Students should discuss their choice of electives with the Program Coordinator

5.2 Unacceptable combination 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.

5.3 Graduation

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.

6 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Science and Technology Commercialisation for syllabus details.

Graduate Certificate in Engineering (Environmental Engineering)

Note: Postgraduate tuition fees apply to this program.

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 the University of Adelaide or for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as equivalent to that degree for the purpose of this Rule.

2.2 The Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the 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 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 School 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 School.

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 School. 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 School 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 School 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

5.7 Graduation

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.

6 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 Academic Program Rules for any particular award.

Syllabus

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

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

Note: Postgraduate tuition fees apply to this program.

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 the University of Adelaide for the degree of Bachelor of Engineering (Chemical) or (Mechanical), or Honours degree of Bachelor of Engineering other than the Bachelor of Engineering (Chemical) or (Mechanical), or Honours degree of Bachelor of Science *or*

(b) have qualified for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent academically and professionally to one of the degrees described in 2.1 (a) above *or*

(c) have qualified in the University of Adelaide for the 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 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 School 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 School of Chemical Engineering, a student may undertake a limited number of courses offered by other Schools 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

4.3 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

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Engineering (Fuels, Combustion and Emission Control) for syllabus details.

Graduate Certificate in Engineering (Signal Processing)

Note: Postgraduate tuition fees apply to this program. It is not expected that there will be an intake into the program in 2003.

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 the University of Adelaide or for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as equivalent to that degree for the purpose of this Rule.

2.2 The Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the 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 School 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 School. 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 School 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 School 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

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

5.6 Graduation

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.

6 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 Academic Program Rules for any particular award.

ELEC ENG 5000
Neural Networks

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

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

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

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

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

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-probalistic approaches and estimation for large-scale distributed systems.

assessment: assignments

ELEC ENG 5006
Digital Signal Processing Techniques

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)

Note: Postgraduate tuition fees apply to this program.

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 the University of Adelaide *or*

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

2.2 The Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the 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 School 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 School.

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 School. 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 School 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 School 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
C&ENVENG 5060 Fundamental Steel Design	3

5.7 Graduation

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.

6 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 Academic Program Rules for any particular award.

Syllabus

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

Graduate Certificate in Project Management and the Organisation

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 requirements

2.1 An applicant for admission to the academic program for the Graduate Certificate in Project Management and the Organisation 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 shall have at least five years' appropriate 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 2.1. In such cases applicants shall present evidence satisfactory to the Faculty of academic and/or professional qualifications and/or appropriate work experience, which demonstrates the applicant's educational preparation and capacity to undertake work for the Graduate Certificate.

2.3 Status, exemption and credit transfer

Candidates who have previously passed courses in postgraduate awards or equivalent in the University or another university and wish to count such courses towards the Graduate Certificate in Project Management and the Organisation 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 for the Graduate Diploma in Project Management and the Organisation 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 in Project Management and the Organisation.

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 shall not be eligible for assessment unless the prescribed work has been completed to the satisfaction of the teaching staff concerned.

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

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

MECH ENG 5003TB Leading and Managing	3
MECH ENG 5010TB Applied Project Management	3
TECHCOMM 5009 Business and Contract Management	3
TECHCOMM 5010 Technology Project Management	3

4.2 Unacceptable combination 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabus

See Master of Science and Technology Commercialisation for syllabus details.

Graduate Diploma in Business Enterprise (SME)

Note: Postgraduate tuition fees apply to this program.

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

2.1 Except as provided for in 2.2 below, a candidate for admission to the program of study for the Graduate Diploma shall have qualified for admission to a degree of the University or for a degree of another institution accepted for the purpose by the Faculty.

2.2 The Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the 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.

2.3 Status, exemption and credit transfer

Except with the special permission of the Faculty, no candidate will be granted status for any course that he or she has presented for another award other than the Graduate Certificate in Business Enterprise (SME) (see 2.4 below). Such status as may be awarded in exceptional circumstances will only be awarded for graduate level studies.

2.4 Articulation with other awards

A candidate who has be admitted to the Graduate Certificate in Business Enterprise (SME) 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 in Business Enterprise (SME).

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. The Diploma 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 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 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 Academic program

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

either

(a) 5 courses of 3 units, including the four core courses below, and the 9 unit Diploma Project

or

(b) 8 courses of 3 units, including the four core courses below.

4.1.1 Core courses

MECH ENG 5003TB Leading and Managing	3
MECH ENG 5011TB New Enterprise Financial Management	3
MECH ENG 5012TB Opportunity Assessment	3
MECH ENG 5013TB New Enterprise Marketing	3

4.1.2 Project

MECH ENG 6000TB A/B Diploma Project in Entrepreneurship	9

4.1.3 Elective courses

The following courses may be selected as electives, subject to consultation with the Program Coordinator:

MECH ENG 5005TB Entrepreneurship and Innovation	3
MECH ENG 5010TB Applied Project Management	3
MECH ENG 5014TB New Enterprise Operations	3
TECHCOMM 5001 Marketing Technological Innovation	3
TECHCOMM 5002 Managing Product Design and Development	3
TECHCOMM 5003 Strategic Analysis for Technology Commercialisation	3
TECHCOMM 5004 Managing Risk	3
TECHCOMM 5005 Financing Commercialisation	3
TECHCOMM 5006 Technology Management and transfer	3
TECHCOMM 5007 Legal Issues of the Commercialisation Process	3
TECHCOMM 5008 Creative and Innovative Management	3
TECHCOMM 5009 Business and Contract Management	3
TECHCOMM 5011 Internationalisation of Technology	3

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabus

See Master of Science and Technology Commercialisation for syllabus details.

Graduate Diploma in Commercialisation

Academic Program Rules

1 General

The Graduate Diploma in Commercialisation shall be available in three streams:

Science and Technology

Entrepreneurship

Innovation Management

Candidates may obtain only one of these streams.

2 Duration of program

The Graduate Diploma can be completed in four terms (one year), or participants can study at their own pace provided the eight courses are completed within 10 terms.

3 Admission

3.1 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 Faculty for the purpose as equivalent to a degree of the University.

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

3.3 Status, exemption and credit transfer

With the exception of the Graduate Certificate in Commercialisation (see 3.4 below), candidates who have previously passed courses in postgraduate awards or equivalent at the University of Adelaide or another university and who wish to count such courses towards the Graduate Diploma in 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.

3.4 Articulation with other awards

3.4.1 A candidate who has been admitted to the Graduate Certificate in Commercialisation and who wishes to count courses presented for the Graduate Certificate toward the Graduate Diploma must surrender the Graduate Certificate before being admitted to the Graduate Diploma in Commercialisation.

3.4.2 A candidate for the degree of Master of Science and Technology Commercialisation who satisfies the requirements for Graduate Diploma but who does not complete the requirements for the Masters degree may be admitted to the Graduate Diploma in Commercialisation.

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. The Diploma Project shall be assessed on a Satisfactory/Unsatisfactory basis.

4.2 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.

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

4.4 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

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

5 Qualification requirements

5.1 Academic program

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

either

(a) 5 courses of 3 units chosen, where possible, from the core list of courses for that stream, and the 9 unit Diploma Project in Entrepreneurship

or

(b) 8 courses of 3 units, 5 of which are chosen, where possible, from the list of courses for that stream, with the remaining courses selected from either core or elective courses.

* students should discuss their choice of courses with the Program Coordinator. However, it is expected that BIG Scholarships holders would take option (a)

5.1.1 Core courses

Science and Technology

MECH ENG 5003TB Leading and Managing	3
TECHCOMM 5001 Marketing Technological Innovation	3
TECHCOMM 5003 Strategic Analysis for Technology Commercialisation	3
TECHCOMM 5004 Managing Risk	3
TECHCOMM 5005 Financing Commercialisation	3
TECHCOMM 5006 Technology Management and transfer	3
TECHCOMM 5007 Legal Issues of the Commercialisation Process	3
TECHCOMM 5011 Internationalisation of Technology	3

Entrepreneurship

MECH ENG 5003TB Leading and Managing	3
MECH ENG 5011TB New Enterprise Financial Management	3
MECH ENG 5012TB Opportunity Assessment	3
MECH ENG 5013TB New Enterprise Marketing	3

Innovation Management

MECH ENG 5003TB Leading and Managing	3
MECH ENG 5005TB Entrepreneurship and Innovation	3
TECHCOMM 5003 Strategic Analysis for Technology Commercialisation	3
TECHCOMM 5008 Creative and Innovative Management	3

5.1.2 Project

MECH ENG 6000A/BTB Diploma Project in Entrepreneurship	9

5.1.3 Elective courses

MECH ENG 5010TB Applied Project Management	3
MECH ENG 5014TB New Enterprise Operations	3
TECHCOMM 5002 Managing Product Design and Development	3
TECHCOMM 5009 Business and Contract Management	3

5.2 Unacceptable combination 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.

5.3 Graduation

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.

6 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 Academic Program Rules for any particular award.

Syllabus

See Master of Science and Technology Commercialisation for syllabus details.

Graduate Diploma in Engineering (Environmental Engineering)

Note: Postgraduate tuition fees apply to this program.

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 the University of Adelaide *or*

(b) hold a qualification accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent to the degree of Bachelor of Engineering of the University of Adelaide *or*

(c) have been admitted to the 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 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 School 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 School.

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 School. 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 School 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 School 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.

5.8 Graduation

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.

6 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 Academic Program Rules for any particular award.

C&ENVENG 5038
Environmental Engineering and Design III

3 units semester 1

48 total contact hours comprising 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: written assignments and exam - further details will be available at the beginning of the semester

C&ENVENG 5039
Environmental Auditing and Design

3 units semester 1 or 2

24 total contact hours comprising 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: may include assignments and examination - further details will be available at the beginning of the semester

C&ENVENG 5040
Environmental Processes, Modelling and Design

3 units semester 1 or 2

24 total contact hours comprising 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 examination - further details will be available at the beginning of the semester

C&ENVENG 5041
Wastewater Engineering and Design

3 units semester 1 or 2

24 total contact hours comprising lectures, tutorials, project work

Characteristics of wastewater; primary, secondary and tertiary treatment methods; sludge disposal; project: design of wastewater treatment plant.

assessment: may include written assignments and examination - further details will be available at the beginning of the semester

C&ENVENG 5042
Advanced Engineering Hydrology and Design

3 units not offered in 2003

24 total contact hours comprising 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 2003

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 total contact hours comprising 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 not offered in 2003

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 total contact hours comprising lectures, tutorials, project work

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: may include assignments, seminar presentation, projects and/or examination - further details will be available at the beginning of the semester

C&ENVENG 5047
Advanced Water Resources Planning and Design

3 units not offered in 2003

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 2003

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 total contact hours comprising lectures and 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 will be available at the beginning of the semester

C&ENVENG 5050
Special Topics in Management and Planning IV N

3 units semester 1 or 2

24 total contact hours comprising lectures, tutorials; directed study

Advanced topics in engineering management and planning.

assessment: may include assignments and/or exam - further details will be available at the beginning of semester

C&ENVENG 5051
Special Topics in Water Engineering IV N

3 units semester 1 or 2

24 total contact hours comprising lectures, tutorials and directed study

Advanced topics in water engineering.

assessment: may include assignments and/or exam - further details will be available at the beginning of the semester

C&ENVENG 5052
Waste Management Analysis and Design

3 units semester 1 or 2

24 total contact hours comprising 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
Methods in Environmental Engineering & Design

3 units not offered in 2003

24 total contact hours comprising 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 will be available at the beginning of the semester

CHEM ENG 5000
Transport Processes in the Environment

2 units semester 2

36 total contact hours comprising lectures and tutorials

assumed knowledge: CHEM ENG 1000 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
Environmental Economics E Part 1

ECON 3018B
Environmental Economics E Part 2

4 units full year

57 total contact hours comprising lectures and 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 intergenerational 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: may include written assignments and examination - further details will be available at the beginning of the course

MICRO 3004
Introduction to Microbiology

1 unit semester 1

20 total contact hours comprising lectures, tutorials, practical work

This course introduces fundamental aspects of bacterial structure, physiology and ecology. Topics covered 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 minute written exam on lecture material 40%, written reports of practical work 30%, essay 30%

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

Note: Postgraduate tuition fees apply to this program.

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 the University of Adelaide for the degree of Bachelor of Engineering (Chemical) or (Mechanical), or Honours degree of Bachelor of Engineering other than the Bachelor of Engineering (Chemical) or (Mechanical), or Honours degree of Bachelor of Science *or*

(b) have qualified for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent academically and professionally to one of the degrees described in clause 2.1.(a) above *or*

(c) have qualified in the University of Adelaide for the 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 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

1 Each year the School 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 School of Chemical Engineering, a student may undertake a limited number of courses offered by other schools 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

4.3 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Engineering (Fuels, Combustion and Emission Control) for syllabus details.

Graduate Diploma in Engineering (Radio Frequency Engineering)

Note: Postgraduate tuition fees apply to this program. It is not expected that there will be an intake into the program in 2003.

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 the University of Adelaide for the degree of Bachelor of Engineering in Electrical & Electronic or Computer Systems Engineering *or*

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

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 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

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Engineering (Radio Frequency Engineering) for syllabus details.

Graduate Diploma in Engineering (Structural Engineering)

Note: Postgraduate tuition fees apply to this program.

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

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 the University of Adelaide *or*

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

(iii) have been admitted to the 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 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 School 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 School.

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 School. 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 School 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 School 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 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
C&ENVENG 5060 Fundamental Steel Design	3

5.7 Graduation

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.

6 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 Academic Program Rules for any particular award.

C&ENVENG 5018
Structural Design III (Concrete)

3 units semester 2

48 total contact hours comprising 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 will be available at the beginning of the semester

C&ENVENG 5019
Structural Design III (Steel)

3 units semester 1

48 total contact hours comprising 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 will be available at the beginning of the semester

C&ENVENG 5054
Advanced Steel & Concrete Construction & Design

3 units semester 1 or 2

24 total contact hours comprising 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 total contact hours comprising 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 total contact hours comprising 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 will be available at the beginning of the semester

C&ENVENG 5057
Design of Concrete Structures N

3 units semester 1 or 2

24 total contact hours comprising 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: tutorials, exam and project

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 total contact hours comprising lectures, tutorials; directed study

Advanced topics in structural engineering.

assessment: may include assignments and/or exam - further details will be available at the beginning of the semester

C&ENVENG 5060
Fundamental Steel Design

3 units semester 1 or 2

24 total contact hours comprising lectures, tutorials; directed study

This course consists of two parts. The first part covers the fatigue design, upgrading and assessment of steel, and composite steel and concrete bridge beams. Fatigue is the most common form of failure and advanced procedures will be used to design new structures and assess the remaining fatigue endurance and strength of existing structures. The second part is concerned with space structures. Some of the latest space structures will be explored and various types of space structures will be introduced in terms of their behaviour under load, materials used, and analysis methods. In particular, the design, analysis and construction of double-layer grids, one of the most popular forms of space structures, will be emphasised.

assessment: project work and tutorials - further details will be available at the beginning of the semester

C&ENVENG 6020A
Advanced Structural Investigation Part 1

C&ENVENG 6020B
Advanced Structural Investigation Part 2

6 units full year

120 hours research and directed study

Research project in advanced structural concepts.

assessment: research project

Graduate Diploma in Project Management and the Organisation

Academic Program Rules

1 Duration of course

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete one year of full-time study or no more than three years of part-time study.

2 Admission requirements

2.1 An applicant for admission to the academic program for the Graduate Diploma in Project Management and the Organisation 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 shall have at least five years' appropriate 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 2.1. In such cases applicants shall present evidence satisfactory to the Faculty of academic and/or professional qualifications and/or appropriate work experience, which demonstrates the applicant's educational preparation and capacity to undertake work for the Graduate Diploma.

2.3 Status, exemption and credit transfer

Candidates who have previously passed courses in postgraduate awards or equivalent in the University or another university and wish to count such courses towards the Graduate Diploma in Project Management and the Organisation may, on written application to the Faculty, be granted such status as the Faculty shall determine, to a maximum aggregate value of six units.

2.4 Articulation with other awards

A candidate who has been admitted to the Graduate Certificate in Project Management and the Organisation 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 any subject for the Graduate Diploma: Pass with High Distinction, Pass with Distinction, Pass with Credit and Pass.

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

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

3.4 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 To qualify for the Graduate Diploma in Project Management and the Organisation, a candidate will satisfactorily complete courses to the value of 24 units as follows.

Candidates must undertake the four core courses and either the Integrated Application Project A or Integrated Application Project B. The remaining 3 units shall be selected from the elective courses.

4.1 Academic program

4.1.1 Core Courses

MECH ENG 5003TB Leading and Managing	3
MECH ENG 5010TB Applied Project Management	3
TECHCOMM 5004 Managing Risk	3
TECHCOMM 5010 Technology Project Management	3

4.1.2 Project Work

TECHCOMM 6002 Integrated Application Project A (Industry Linked)	9
TECHCOMM 6003 Integrated Application Project B (Case Study)	9

4.1.3 Elective Courses

MECH ENG 5005TB Entrepreneurship & Innovation	3
MECH ENG 5011TB New Enterprise Financial Management	3
MECH ENG 5012TB Opportunity Assessment	3
MECH ENG 5013TB New Enterprise Marketing	3
MECH ENG 5014TB New Enterprise Operations	3

TECHCOMM 5002 Managing Product Design and Development	3
TECHCOMM 5003 Strategic Analysis for Technology Commercialisation	3
TECHCOMM 5007 Legal Issues of the Commercialisation Process	3
TECHCOMM 5009 Business and Contract Management	3
TECHCOMM 5011 Internationalisation of Technology	3

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabus

See Master of Science and Technology Commercialisation for syllabus details.

Master of Applied Science

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 the University of Adelaide 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 the University of Adelaide for the degree of Bachelor of Science, Applied Science or Agricultural Science or who holds another academic qualification accepted by the Faculty as being sufficient. Persons admitted under this Rule may not be awarded the degree before the expiration of two years from the date of qualification for candidature, and will normally be required to carry out preliminary work at Honours standard as set out in 4 below.*

* 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 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 the Academic Program Rules and after consultation with the Head of the School in which the majority of the work falls, submit in writing for approval by the Faculty, the program of study as prescribed in the 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 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 Academic program

Note: under the 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 Faculty of Engineering, Computer and Mathematical Sciences, in another faculty or school, or at another Institution. These include postgraduate courses in the Faculty of Engineering, Computer and Mathematical Sciences, Honours and approved postgraduate diploma courses in the Faculty of Sciences and postgraduate courses at Flinders University or the University of South Australia.

Group B: advanced level courses

These are courses in Engineering which have been designated as 'Advanced Level' by the School 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 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 Faculty of Engineering, Computer and Mathematical Sciences which are not designated 'Advanced Level', or courses at Level III in the Faculty of 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 course-work 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 School (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 discipline of Engineering*, whereas a two-thirds coursework degree may not contain more than 8 units of courses from outside the discipline of Engineering.

* For the purposes of this policy, the discipline of Engineering is deemed to include all Centres and joint ventures of which the discipline, or its constituent schools, 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 Courses of study

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

3.9 Graduation

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.

4 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 Academic Program Rules for any particular award.

Master of Engineering

Academic Program Rules

1 Admission

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

2 Qualification requirements

2.1 To qualify for the degree a candidate shall:

(a) submit in writing for approval by the Faculty of Engineering, Computer and Mathematical Sciences the subject on which the candidate proposes to present a thesis

(b) not earlier than one year after the approval of the subject by the Faculty, present a thesis which should be a significant contribution to the practice of engineering.* The thesis may be:

(i) an original design for some engineering work *or*

(ii) an account, giving evidence of ability on the part of the candidate to cope successfully with engineering difficulties, of some engineering work for the design or construction of which the candidate has been largely responsible *or*

(iii) an account of some original research, development, inquiry or investigation made by the candidate into some matter involved with engineering;

(c) if so required by the Faculty, adduce evidence to its satisfaction of the originality of, and the degree of the candidate's responsibility for, the work embodied in the thesis *and*

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

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

(b) Unless the Faculty expressly 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 Graduation

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.

3 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 Academic Program Rules for any particular award

* **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)

Note: Postgraduate tuition fees apply to this program.

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

2.1 Except as provided for in 2.2 below, an applicant for admission to the program shall:

(a) have qualified in the University of Adelaide for the degree of Bachelor of Engineering (Chemical) or (Mechanical), or Honours degree of Bachelor of Engineering other than the Bachelor of Engineering (Chemical) or (Mechanical), or Honours degree of Bachelor of Science *or*

(b) have qualified for an award accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent academically and professionally to one of the degrees described in clause 2.1.(a) above *or*

(c) have qualified in the University of Adelaide for the 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 School 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 School of Chemical Engineering, a student may undertake a limited number of courses offered by other Schools 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

4.3 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

CHEM ENG 5006
Coal Combustion in Furnaces

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

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

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

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

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

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 & Control for Combustion Processes

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 NOx and SOx 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

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

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 5026
Combustion and Environment

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 NOx, SOx 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

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

CHEM ENG 6002
Combustion Emission Control

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; NOx control by modifying firing techniques (eg. staged combustion); sorbent injection for SOx control; ESP; bag house; wet scrubbing.

assessment: final exam, assignments

CHEM ENG 6005
Introduction to Combustion Aerodynamics

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

CHEM ENG 6006
Chemical Reactions and Pollutant Formation

2 units semester 1 or 2

24 lectures, 12 tutorials

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

assessment: final exam

CHEM ENG 6007
Coal Properties and Characterisation

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

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

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

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

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

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 and Design Projects

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

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

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.

Master of Engineering (Petroleum Engineering)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty, the program for the Masters of Engineering (Petroleum Engineering) shall be completed in two semesters of full-time study, or up to ten semesters of part-time study.

2 Admission

2.1 Except as provided for in 2.2 below, an applicant for admission to the program shall:

(a) have qualified in the University of Adelaide for the degree of Bachelor of Engineering (Petroleum) and have at least two years' approved relevant work experience *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 (Petroleum) plus have at least two years' approved relevant work experience.

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 (Petroleum 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 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 any course for the Master of Engineering (Petroleum 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 the course 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 the assessment for a given course, or who without a reason accepted by the Executive Dean of the Faculty (or nominee) fails to attend all or part of the assessment, shall be deemed to have failed that course.

3.6 The Research Project shall be approved the Head of the School of Petroleum Engineering and Management (or nominee) and be conducted under the supervision of a member of the academic staff of the University of Adelaide.

3.7 The Faculty may permit the Research Project to be undertaken outside the University provided there will be adequate contact and interaction between the candidate and the candidate's supervisor.

4 Qualification requirements

4.1 To qualify for the degree of Master of Engineering (Petroleum Engineering), a candidate shall satisfactorily complete all courses below, to the total value of at least 24 units, as follows:

PETROENG 7000 Petroleum Geophysics and Geology	3
PETROENG 7001 Petrophysics	2
PETROENG 7002 Reservoir Engineering	3
PETROENG 7003 Production Engineering	2
PETROENG 7004 Well Construction (Drilling and Completion)	4
PETROENG 7005 Facilities Engineering	2
PETROENG 7006 Economic Evaluation	2
PETROENG 7007 Project and General Management	2
PETROENG 7008 Integrated Field Development and Economics Project	4

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

PETROENG 7000
Petroleum Geology and Geophysics

3 units semester 1

short course intensive program of lectures, tutorials and seminars

This course focuses on development (or production) geoscience as compared to exploration geoscience. Besides traditional methods such as deterministic mapping and volumetrics, the course will stress probabilistic and integrated characterisation methods, emphasising the impact of uncertainty and risk. Participants will use commercial software, utilising a new Visualisation Centre. Topics covered include overview of exploration, field appraisal and development planning, mapping and correlation, integrated reservoir characterisation, probabilistic modelling and volumetrics, seismic methods (acquisition, processing and interpretation), and attribute analysis.

assessment: assignments, group discussions, examination

PETROENG 7001
Petrophysics

2 units semester 1

short course intensive program of lectures, tutorials and seminars

This course covers detailed rock properties with emphasis on open-hole log analysis and associated core analysis. All standard open-hole logs will be examined: lithology, porosity and fluid determination. Both conventional and special core analysis methods and data will be studied. The course will cover log correlations (e.g. permeability). The latest generation tools and analysis methods will also be covered: dipmeter and bore-hole image tools, as well as nuclear magnetic resonance (NMR). Students will look at logging while drilling (LWD) applications and be aware of the value of information in acquiring data. The course will utilise commercial interpretation software. Topics covered include standard open-hole logging and analysis methods; conventional and special core analysis and interpretation; parameter correlation and statistical methods; special tools and analysis methods: dipmeter, bore-hole image, NMR, LWD etc; overview of carbonates and response; and an overview of cased hole logging and analysis methods.

assessment: assignments, group discussions, examination

PETROENG 7002
Reservoir Engineering

3 units semester 2

short course intensive program of lectures, tutorials and seminars

This course will cover traditional and advanced methods, ranging from fundamental analytical methods to reservoir simulation and modelling. Reservoir rock and fluid properties will be considered in the context of reservoir engineering calculations. Different reservoir situation and drive mechanisms will be emphasised. Pressure transient analysis will also be covered. The course will cover the concepts of reservoir development planning for new fields and reservoir management of existing fields, in all cases stressing the management of risk. The course will utilise state-of-the-art commercial reservoir simulation and pressure transient analysis software and will make use of the planned Visualisation Centre. Topics covered include fluid and rock properties, including special core analysis (SCAL); analytical methods: material balance, fluid displacement; reservoir development and management principles; reservoir processes and recovery efficiency determination; probabilistic reserves determination; reservoir simulation and modelling; pressure transient analysis; and an overview of enhanced recovery methods.

assessment: assignments, group discussions, examination

PETROENG 7003
Production Engineering

2 units semester 1

short course intensive program of lectures, tutorials and seminars

This course will give an overview of production operations and management. It will concentrate on a total systems approach in analysing production performance, i.e. nodal analysis, covering the reservoir, the well and surface system. Various conditions for well inflow performance will be considered. The key artificial lift methods will also be studied. Well performance, as a function of design and optimisation will feature highly. Surface facilities will involve pipelines and the normal onshore facilities, e.g. separation of fluids. The detailed performance of complex offshore systems will not be covered here but design concepts will be taken up in the Facilities Engineering module. The course will utilise commercial nodal analysis software. Topics covered include production operations and management principles; overview of surface equipment; overview of well design; well inflow performance, including stimulated reservoirs and gravel packs; vertical flow performance modelling; surface system modelling: pipelines, separation; complete systems response: nodal analysis; and analysis of artificial lift methods.

assessment: assignments, group discussions, examination

PETROENG 7004
Well Construction (Drilling and Completion)

4 units semester 1

short course intensive program of lectures, tutorials and seminars

This course deals with well design and implementation, covering drilling and completion of wells. The course commences with an overview of drilling equipment and operation, covers drilling fluids and cementing, and emphasises drilling engineering and well

completion design. Horizontal and multilateral well applications will also be included. Examples of special applications are as follows: monobores and bigbores, underbalanced and air drilling. Case histories will be used throughout to demonstrate the value of alternative designs and their inherent risk of implementation. Cost estimation will also be covered. Topics covered include drilling rigs and design; overall operations and well control; bottomhole assembly (BHA) and drill bit selection; drilling fluids: mud properties and selection; well planning and optimisation; cementing: requirements and selection; drilling mechanics and hydraulics; overall well planning and design; casing and tubular design; well completion design; special well designs: multi-string, multi-zone, splitters, monobores and bigbores; specialised drilling: underbalanced, air, foam; directional and horizontal drilling, multi-lateral wells; well stimulation; sand exclusion; artificial lift design; and drilling cost estimation.

assessment: assignments, group discussions, examination

PETROENG 7005
Facilities Engineering

2 units semester 2

short course intensive program of lectures, tutorials and seminars

This course deals mainly with design concepts and selection criteria for major types of offshore facilities: fixed platform (steel and concrete), also compliant tower; mobile units such as floating production storage and offloading (FPSO) facility, floating production unit (FPU), tension leg platform (TLP) and jack-up production rig, and spars; and sub-sea systems. In particular advantages and disadvantages of various facilities will be stressed. Cost estimation methods will also be covered. Topics covered include design concepts for offshore facilities, dealing with all major types; selection criteria as a function of environmental, reservoir and other conditions; oil vs gas developments; storage and evacuation options; and cost estimation methods.

assessment: assignments, group discussions, examination

PETROENG 7006
Economic Evaluation

2 units semester 2

short course intensive program of lectures, tutorials and seminars

Time value of money, discount rates, investment hurdle rates as applied to incremental recovery, acceleration and hybrid projects will be addressed. Methodologies to take into account uncertainties in economic decision-making will be discussed. The participants will gain a fundamental understanding of full life cycle and money forward economic assessment. They will also learn to account for abandonment provisions and various forms of royalties and taxes. Extensive use will be made of statistical software packages such as SAS, SPSS and Crystal Ball to perform data analysis. Topics covered include discounted cash flow; net present value evaluation, economic vs accounting view; economic indicators; statistical concepts and probability theory; decision tree applications and full Monte Carlo methods; project life cycle economics; incremental vs acceleration projects; lease vs buy decisions; and examples of different fiscal terms.

assessment: assignments, group discussions, examination

PETROENG 7007A/B
Project and General Management

2 units full year

short course intensive program of lectures, tutorials and seminars

This course will utilise commercially available project management software and case studies to help the participants understand the principles of project management. The participants will come to appreciate the criticality of sound budgeting and scheduling and tracking projects through their life cycle. Budgetary control and contingency management will also be addressed. Under general management, this course will give an overview of a wide range of disparate topics to round off the program. It will address overall governance, capital management and rationing, people and organisational development, and business planning. Topics covered include: schedule and budgets: forecasting and control, overall management; key project and business drivers: cycle time, fiscal terms, capital and operating costs, reserves, production rate and commodity price; impact of uncertainty and risk; the impact of people, technology and processes; governance, strategic and performance management; capital allocation and management; key performance indicators: financial and operational; and the value chain and vertical integration.

assessment: assignments, group discussions, examination

PETROENG 7008
Integrated Field Development and Economics Project

4 units semester 2

short course intensive program of lectures, tutorials and seminars

This course is designed to pull together all ideas and concepts studied in the other modules. In particular, integrated nature and multidisciplinary approach is stressed. A comprehensive case study will be utilised where the students will develop their own ideas through teamwork, using the actual field data. The project commences with the available data after a discovery. Participants are first asked to develop a comprehensive appraisal plan, taking into account the value of information. Their results are then compared with actual plans. With actual appraisal data in hand, students subsequently carry out a full feasibility study, including cost estimating and economics. Results of individual team are presented in a management style forum and again compared to actual feasibility study results. Finally, actual field performance is compared to prediction.

assessment: assignments, group discussions, examination

Master of Engineering (Radio Frequency Engineering)

Note: Postgraduate tuition fees apply to this program. It is not expected that there will be an intake into the program in 2003.

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 the University of Adelaide for the degree of Bachelor of Engineering in Electrical & Electronic or Computer Systems Engineering *or*

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

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 Electrical and Electronic Engineering and be conducted under the supervision of a member of the academic staff of the University of Adelaide.

3.7 The Faculty may permit the Research Project to be undertaken outside the University provided there will be adequate contact and interaction between the candidate and the candidate's supervisor.

4 Qualification requirements

4.1 Academic program

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:

4.1.1 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

4.1.2 directed readings

ELEC ENG 6003 Readings in RF Engineering 2	4
ELEC ENG 6004 Readings in RF Engineering 1	4

4.1.3 research project

ELEC ENG 7019 RF Engineering Research Project 12

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

core courses

ELEC ENG 6000
Antennas and Propagation

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

3 units

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

ELEC ENG 6002
Introduction to RF Design

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

3 units

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

ELEC ENG 6006
Transmission Lines and Waveguides

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 II

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 I

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.

research project

ELEC ENG 7019A/B
RF Engineering Research Project

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 School of Electrical and Electronic Engineering for further details on this program.

Master of Engineering Science

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 the University of Adelaide for the Honours degree of Bachelor of Engineering or the degree of Bachelor of Engineering in the Honours grade *or*

(b) a person who holds a qualification accepted by the Faculty of Engineering, Computer and Mathematical Sciences as being equivalent* to the Honours degree of Bachelor of Engineering or the degree of Bachelor of Engineering in the Honours grade in the University of Adelaide *or*

(c) a person who has qualified in the University of Adelaide for the 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 degree of Bachelor of Engineering or the degree of Bachelor of Engineering in the Pass grade in the University of Adelaide, and who has, in addition, successfully undertaken advanced studies and/or work in engineering practice which is considered by the Faculty to be an adequate preparation for candidature.

* Equivalent shall refer to both academic and professional equivalence.

1.2 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 School 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 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 Faculty of Engineering, Computer and Mathematical Sciences, in another faculty or school, or at another Institution. These include postgraduate courses in the Faculty of Engineering, Computer and Mathematical Sciences, Honours and approved postgraduate diploma courses in the Faculty of Sciences and postgraduate courses at Flinders University or the University of South Australia.

Group B: advanced level courses

These are courses in Engineering which have been designated as 'Advanced Level' by the School 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 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 Faculty of Engineering, Computer and Mathematical Sciences which are not designated 'Advanced Level', or courses at Level III in the Faculty of Sciences, or approved final year undergraduate courses from other Faculties or institutions.

3.7 Coursework requirements

Note: this 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 school (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 discipline of Engineering*, whereas a two-thirds coursework degree may not contain more than 8 units of courses from outside the discipline of Engineering.

* For the purposes of this policy, the discipline of Engineering is deemed to include all Centres and joint ventures of which the discipline, or its constituent schools, 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) 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 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) Education Centre for Innovation & Commercialisation (ECIC)

MECH ENG 5003TB Leading and Managing	3
MECH ENG 5005TB Entrepreneurship & Innovation	3
MECH ENG 5011TB New Enterprise Financial Management	3
MECH ENG 5012TB Opportunity Assessment	3
MECH ENG 5013TB New Enterprise Marketing	3
MECH ENG 5014TB New Enterprise Operations	3

(c) 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

(d) Petroleum Engineering and Management

PETROENG 7000 Petroleum Geology & Geophysics	3
PETROENG 7001 Petrophysics	2
PETROENG 7002 Reservoir Engineering	3
PETROENG 7003 Production Engineering	2
PETROENG 7004 Well Construction (Drilling and Completion)	4
PETROENG 7005 Facilities Engineering	2
PETROENG 7006 Economic Evaluation	2
PETROENG 7007 Project and General Management	2
PETROENG 7008 Integrated Field Development and Economics Project	4

Group B: advanced courses

Chemical Engineering

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 Engineering

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
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
C&ENVENG 5060 Fundamental Steel Design	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

Electrical and Electronic Engineering

Electrical and Electronic, the University of Adelaide

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 Academic Program Rules of degrees in the Faculties of Engineering, Computer and Mathematical Sciences, and Sciences.

Notwithstanding the above, the availability of all courses is conditional on the availability of staff and facilities and sufficient enrolments.

3.9 Graduation

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.

4 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 Academic Program Rules for any particular award.

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 school.

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 Faculty of Engineering, Computer and Mathematical Sciences and Bachelor of Science* in the Faculty of Sciences, and Graduate Certificate in Telecommunications in the Faculty of Engineering, Computer and Mathematical 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 the University of Adelaide's *Calendar 2003 Handbook of Undergraduate Programs*.

Master of Petroleum Business Management

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty, the program for the Masters of Petroleum Business Management shall be completed in two semesters of full-time study, or up to ten semesters 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 Except as provided for in 2.2 below, an applicant for admission to the program shall have qualified for a degree (in a relevant discipline) of the University or of another institution accepted for this purpose by the Faculty plus have at least two years' approved relevant work experience

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 Petroleum Business Management, 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 any course for the Master of Petroleum Business Management: Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

3.2 A candidate shall not be eligible to attend for assessment 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 that course 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 the assessment for a given course, or who without a reason accepted by the Executive Dean of the Faculty (or nominee) fails to attend all or part of the assessment, shall be deemed to have failed that course.

3.6 The Management Project shall be approved by the Head of the School of Petroleum Engineering and Management (or nominee) and be conducted under the supervision of a member of the academic staff of the University of Adelaide.

3.7 The Faculty may permit the Management Project to be undertaken outside the University provided there will be adequate contact and interaction between the candidate and the candidate's supervisor.

3.8 Evaluation of the Management Project shall be through the submission of a comprehensive report and a presentation. This evaluation shall be conducted jointly by the School's academic staff and industry practitioners nominated by the academic staff.

4 Qualification requirements

4.1 To qualify for the degree of Master of Petroleum Business Management, a candidate shall satisfactorily complete 6 compulsory courses to the value of 16 units, plus 2 elective courses to the value of 4 units, plus a Management Project to the value of 4 units, as follows:

4.2 Academic Program

Group A: Compulsory courses

MANAGEMT 7100 Accounting for Managers	3
PETROENG 7009 Decision-Making under Uncertainty	3
PETROENG 7010 Portfolio & Strategic Management	3
PETROENG 7011 Asset Evaluation and Management	3
PETROENG 7012 Oil and Gas Resources and Reserves	2

PETROENG 7013 Project Economic Evaluation	2
PETROENG 7014 Management Project	4
Group B: Elective courses	
PETROENG 7015 General Management	2
PETROENG 7016 Business Planning and Stewardship	2
PETROENG 7017 Onshore and Offshore Facilities Concepts	2
PETROENG 7018 Operations and Maintenance Management	2
PETROENG 7019 Well Construction Operations and Management	2
PETROENG 7020 Oil and Gas Marketing and Contracting	2
PETROENG 7021 Fiscal and Regulatory Regimes	2
PETROENG 7022 Mergers and Acquisitions	2
PETROENG 7023 Project Management	2
PETROENG 7024 People and Organisational Development	2
PETROENG 7025 Health, Safety and Environment	2
PETROENG 7026 Information Technology	2
PETROENG 7027 E-Business	2

4.3 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

MANAGEMT 7100
Accounting for Managers

3 units trimester 1, 2 or 3

3 hour seminar per week

See MBA in Adelaide Graduate School of Business for syllabus details.

PETROENG 7009
Decision-Making under Uncertainty

3 units January/February or June/July block

short course intensive program of lectures, tutorials and seminars

This course focuses on developing a clear understanding of and distinction between uncertainty and risk. It will develop familiarity with various decision-making tools in an environment of high level uncertainty and risk. The participants will learn how to estimate the risk-weighted outcomes and how to set about estimating the risk levels. They will also acquire a sound fundamental understanding of the strengths and weaknesses of these techniques. They will have an opportunity to apply the techniques to specific case studies using state-of-the-art software tools. The topics covered will include petroleum exploration and production compared to gambling; decision tree analysis; value of information; deterministic vs probabilistic analyses; scenario assessments; full life cycle industry return; basic statistical concepts; probability theory, concepts and distributions; and decision tree applications.

assessment: assignments, group discussions, examination

PETROENG 7010
Portfolio and Strategic Management

3 units January/February or June/July block

short course intensive program of lectures, tutorials and seminars

This course will help the participants understand the critical and high risk nature of petroleum exploration. It will also describe the various techniques used in the industry to spread the risk. The concept of geographically spreading the risk across national boundaries and the role of the multinationals in achieving this will be discussed. Development and management of a portfolio approach to exploration that is matched with corporate strategy will be addressed. Topics covered include strategy, portfolio, management, capital rationing, joint ventures, farm-ins/farm-outs, and exploration Key Performance Indicators (KPI's).

assessment: assignments, group discussions, exam

PETROENG 7011
Asset Evaluation and Management

3 units January/February or June/July block

short course intensive program of lectures, tutorials and seminars

This is one of three courses focussing on management of petroleum exploitation. The emphasis of this course is on the subsurface aspects. Using the principles developed in the course entitled "Decision-Making under Uncertainty", this course will help the participants understand the value of appraisal in its many and varied forms, including drilling new wells, running additional seismic evaluations, obtaining additional well data, and conducting extended production tests. Economic evaluation of appraisal proposals will also be discussed. The course will address the need for integrated optimisation of the three production subsystems: reservoir, well bore and surface facilities. The strength and weaknesses, and applicability, of various production planning and forecasting methods and tools will be explained. The topics covered include development planning (onshore, offshore), appraisal, production planning and forecasting, reservoir optimisation, production optimisation, and field reviews.

assessment: assignments, group discussions, exam

PETROENG 7012
Oil and Gas Resources and Reserves

2 units January/February or June/July block

short course intensive program of lectures, tutorials and seminars

The definitions of oil and gas resources and reserves and the distinction between the two will be addressed. This course will help the participants understand the strengths and weaknesses of the various different reserves estimating methodologies, including deterministic and probabilistic methods, and the applicability of these methods. A thorough understanding of proved (1P), proved plus probable (2P) and proved plus probable plus possible (3P) reserves will be gained. Participants will come to understand that even 1P reserves have a degree of uncertainty associated with them. The near term impact of reserve estimates on corporate valuations, production forecasts and depreciation, depletion and earnings calculations, as well as gas contracting, will be explained. Topics include reserves definitions; reserves estimating methodologies; deterministic vs probabilistic approaches; applications of reserves data; price sensitivity of reserve estimates; and reserves reporting requirements.

assessment: assignments, group discussions, exam

PETROENG 7013
Project Economic Evaluation

2 units January/February or June/July block

short course intensive program of lectures, tutorials and seminars

Time value of money, discount rates, investment hurdle rates as applied to incremental recovery, acceleration and hybrid projects will be addressed. Methodologies to take into account uncertainties in economic decision-making will be discussed. The participants will gain a fundamental understanding of full life cycle and money forward economic assessment. They will also learn to account for abandonment provisions and various forms of royalties and taxes. Extensive use will be made of statistical software packages such as SAS, SPSS and @Risk to perform data analysis. Topics covered will include discounted cash flow; hurdle rate definition, interpretation and estimation; incremental vs acceleration projects; project life cycle vs money forward assessment; government take; abandonment provisions; and lease vs buy decisions.

assessment: assignments, group discussions, exam

PETROENG 7014A
Management Project Part 1

PETROENG 7014B
Management Project Part 2

4 units ongoing over the period of candidacy

case studies, field visits

Experiential exposure will be provided through case studies and through individual or group projects relevant to the participant's own employment circumstances. The project title and outline will depend upon the candidate's interest and will be decided in consultation with the Academic Director of the program. It shall be carried out under the supervision of one of the academic staff. Evaluation of the project reports will be conducted jointly by the relevant academic staff and industry practitioners.

assessment: project reports and presentation

PETROENG 7015
General Management

2 units November/December block

short course intensive program of lectures, tutorials and seminars

This course will cover a wide range of disparate topics to round off the program. It will address mergers and acquisitions, capital management and rationing, people and organisational development, economic forecasting and business cycle analysis. Topics under health, safety and environment will address interalia triple bottom line accounting and community obligations. Topics covered will include performance management; organisation development and motivation; capital management; trends in information technology; country analysis; industry analysis; equity valuation; investor relations; key performance indicators - operational; key performance indicators - financial; mergers and acquisitions; and the value chain and vertical integration.

assessment: assignments, group discussions, exam

PETROENG 7016
Business Planning and Stewardship

2 units November/December block

short course intensive program of lectures, tutorials and seminars

Business planning and performance stewardship against plans is a critical component of any business enterprise. For the oil and gas industry, effective planning requires a strategic portfolio approach. This course will address interalia scenario forecasts, strategic planning, portfolio development and management, and portfolio matching with corporate strategy.

assessment: assignments, group discussions, exam

PETROENG 7017
Onshore and Offshore Facilities Concepts

2 units November/December block

short course intensive program of lectures, tutorials and seminars

This is the second of the exploitation courses and deals with conceptual development planning, both onshore and offshore. It will help the participants understand the key differences in gas and oil field development planning and project feasibility assessment. Topics include offshore facilities, onshore facilities, oil vs gas developments, and production evacuation strategies.

assessment: assignments, group discussions, exam

PETROENG 7018
Operations and Maintenance Management

2 units November/December block

short course intensive program of lectures, tutorials and seminars

This course will focus on management of production operations, inspection services and maintenance operations. Candidates will develop an understanding of the pros and cons of preventative maintenance vs failure-based maintenance. Facilities inspection planning and management, and corrosion management will also be addressed. This course will help the participants learn about dissecting operating costs, the human resource implications of operating cost management, outsourcing vs inhouse operations execution, and the long-term implications of maintenance cost reduction. Implications of operating cost reduction in the area of reservoir and facilities surveillance will also be addressed. Topics covered include production operation management, operating costs, maintenance management, and strategic implications of in-house vs outsourced operations.

assessment: assignments, group discussions, exam

PETROENG 7019
Well Construction Operations and Management

2 units November/December block

short course intensive program of lectures, tutorials and seminars

The critical importance of cost effective drilling performance to the industry will be addressed. Participants will come to understand that drilling performance is a very strong function of non-technical issues such as team behaviour, learning curves and multidisciplinary collaboration between the geoscientists, reservoir engineers and drilling professionals. Management of completions, well diagnosis, stimulation and workover operations will be discussed. Topics covered will include building drilling teams; regulatory requirements; drilling risk management; geoscience/ drilling interface; fishing operations management; time/depth, cost/depth relationships; drilling learning curves; and completions, workovers.

assessment: assignments, group discussions, exam

PETROENG 7020
Oil and Gas Marketing and Contracting

2 units November/December block

short course intensive program of lectures, tutorials and seminars

This course will help the participants understand the vagaries and difficulties involved in crude price forecasting and the sensitivity of investment decisions to crude price. Principles of price and foreign exchange hedging will be addressed. The principles of gas contracting, monetary value of supply reliability and force majeure will be discussed. Concepts behind gas contract negotiation taking into account buyers' and sellers' next best alternative will be explained. Topics under "Oil" include world supply and demand balance; oil price forecasting; posted prices, marker crudes; quality differentials; hedging; contract vs spot markets; and impact of exchange rates. Topics under "Gas" include gas contracts; sellers' and buyers' next best alternative; reliability/interruptability of supply; force majeure; term vs spot markets; determinants of gas prices; and LNG marketing.

assessment: assignments, group discussions, exam

PETROENG 7021
Fiscal and Regulatory Regimes

2 units November/December block

short course intensive program of lectures, tutorials and seminars

This course will help the participants understand the fundamental principles behind the different types of fiscal and regulatory regimes in use around the world. They will learn how to analyse the impact of fiscal and regulatory regimes and their associated uncertainties and risks. They will also learn how to model the impact of fiscal regimes and how to develop proposals for their modification. Content will include industry and country analysis; work program bidding, cash bonus bidding and production sharing contracts; field redevelopment contracts; principles of unitisation; production controls; exploration and development encouragement schemes; and local content requirements.

assessment: assignments, group discussions, exam

PETROENG 7022
Mergers and Acquisitions

2 units November/December block

short course intensive program of lectures, tutorials and seminars

This course will focus on the various different methodologies for valuing exploration and production assets, as well as corporate entities, their applicability and their strengths and weaknesses. The concept of strategic fit and associated premiums will be addressed. The critical importance of due diligence will be discussed through case studies. Participants will gain an understanding of the fundamental principles underlying joint ventures, farm-ins, farm-outs and unitisation. The concept of promotes will be explained. Participants will come to understand how the same asset can be worth vastly different sums to different organisations due to strategic positioning and/or tax implications. Topics will include alternative methods of property valuations; strategic premiums; due diligence with regard to reserves and production, physical assets, legal issues and balance sheets; tax credits; joint ventures, farm-ins, farm-outs; promotes and unitisation principles and methodologies.

assessment: assignments, group discussions, exam

PETROENG 7023
Project Management

2 units November/December block

short course intensive program of lectures, tutorials and seminars

This course will utilise commercially available project management software and case studies to help the participants understand the principles of project management. The participants will come to appreciate the criticality of sound budgeting and scheduling and tracking projects through their life cycle. Budgetary control and contingency management will also be addressed. Topics will include schedule and budget forecasting; schedule dependencies and critical path analysis; sensitivities; contingency provisions and management; budget approvals, control and management; and value creation through cycle time reduction.

assessment: assignments, group discussions, exam

PETROENG 7024
People and Organisational Development

2 units November/December block

short course intensive program of lectures, tutorials and seminars

This course will help the participants develop the capacity to understand themselves, their subordinates, peers and superiors. Principles of employee training, development and career

management, together with performance assessment and enhancement will be addressed. On completion of this course, participants will understand the difference between management and leadership, and the need for both. Topics covered will include self evaluation and development; principles and practices of supervision; employee performance assessment and enhancement; employee recognition, rewards, compensation and motivation; self and employee career development and management; training strategies; organisational models and structures; optimising resources; outsourcing vs in-house work; contracting; management vs leadership; leadership models; and leadership development.

assessment: assignments, group discussions, exam

PETROENG 7025
Health, Safety and Environment

2 units November/December block

short course intensive program of lectures, tutorials and seminars

The concept of using HSE performance to measure the health of an organisation will be addressed. Participants will gain an understanding of safety and environmental management systems, as well as auditing. The critical importance of sound safety and environmental management practices, as well as community relations, will be discussed. Triple bottom line accounting, particularly in reference to greenhouse gases, together with principles of carbon taxes and trading, will also be explained. Topics covered will include importance of health, safety and environment; corporate obligations; community expectations, licence to operate; relationship between health, safety and environment and operational performance; operational and process safety management; safety cases; As Low As Reasonably Practicable (ALARP) concept; safety and environmental management systems; safety and environmental auditing; greenhouse effect; carbon taxes and trading; waste management; chronic and catastrophic pollution; public communication management; fact based vs value based debates; and triple bottom line accounting.

assessment: assignments, group discussions, exam

PETROENG 7026
Information Technology

2 units November/December block

short course intensive program of lectures, tutorials and seminars

The importance of fit for purpose positioning within the spectrum of rapidly evolving information technology will be explained. Participants will have the opportunity to experience using various software packages that enable the management of maintenance, reservoirs, production and financial systems. The pros and cons of software uniformity vs best in class software will be addressed. The importance of integrated databases and corporate knowledge management will also be discussed. Topics covered will include industry trends, technical and management computing, web enabled operations management, maintenance management systems, financial systems, production management systems, reservoir management systems, database management, knowledge management.

assessment: assignments, group discussions, exam

PETROENG 7027
E-Business

2 units November/December block

short course intensive program of lectures, tutorials and seminars

This course addresses the rapid evolution of internet-based procurement and marketing practices. Particular focus will be on business to business procurement practices. Benefits as well as problems arising from internet marketing will be explored. Topics will include e-procurement, e-marketing, online auctions, online tendering for goods and services, e-trading of petroleum products, and organisational training requirements.

assessment: assignments, group discussions, exam

Master of Science and Technology Commercialisation

Academic Program Rules

1 Duration of program

It is possible to complete the Master of Science and Technology Commercialisation over 4 terms (one year). Alternatively participants can study at their own pace provided the eight courses plus project are completed within ten terms.

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 postgraduate awards or equivalent at the University of Adelaide or another 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.

2.4 Articulation with other awards

2.4.1 A candidate for the Master of Science and Technology Commercialisation who does not complete the requirements for the Masters degree but satisfies the requirements for the Graduate Certificate or Graduate Diploma in Commercialisation 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 Commercialisation and who subsequently satisfies the requirements for the Master of Science and Technology Commercialisation 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 Master degree: Pass with High Distinction; Pass with Distinction; Pass with Credit; and Pass.

3.2 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.

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

3.4 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.

3.5 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 Academic program

To qualify for the Master degree, a candidate shall satisfactorily complete courses to the value of 36 units, in accordance with one of the following options:

either

(a) 8 courses of 3 units, 6 of which are drawn, where possible, from the core list for that stream, and at least two elective courses. In addition, candidates shall complete a 12 unit Commercialisation Project which shall be either the University of Texax linked International Project, or the University of Adelaide Project

or

(b) 12 courses of 3 units including the Masters Project Components.

Note: students should discuss their choice of courses with the Program Coordinator.

4.1.1 Core courses

Science and Technology

MECH ENG 5003TB Leading and Managing	3
TECHCOMM 5001 Marketing Technological Innovation	3
TECHCOMM 5003 Strategic Analysis for Technology Commercialisation	3
TECHCOMM 5004 Managing Risk	3
TECHCOMM 5005 Financing Commercialisation	3
TECHCOMM 5006 Technology Management and transfer	3
TECHCOMM 5007 Legal Issues of the Commercialisation Process	3
TECHCOMM 5011 Internationalisation of Technology	3
TECHCOMM 7001 Converting Technology to Wealth*	3
TECHCOMM 7002 The Art and Science of Market-Driven Entrepreneurship*	3
TECHCOMM 7003 Technology Enterprise design and Implementation*	3

Entrepreneurship

MECH ENG 5003TB Leading and Managing	3
MECH ENG 5011TB New Enterprise Financial Management	3
MECH ENG 5012TB Opportunity Assessment	3
MECH ENG 5013TB New Enterprise Marketing	3
TECHCOMM 7001 Converting Technology to Wealth*	3
TECHCOMM 7002 The Art and Science of Market-Driven Entrepreneurship*	3
TECHCOMM 7003 Technology Enterprise design and Implementation*	3

Innovation Management

MECH ENG 5003TB Leading and Managing	3
MECH ENG 5005TB Entrepreneurship and Innovation	3
TECHCOMM 5003 Strategic Analysis for Technology Commercialisation	3
TECHCOMM 5008 Creative and Innovative Management	3
TECHCOMM 7001 Converting Technology to Wealth*	3
TECHCOMM 7002 The Art and Science of Market-Driven Entrepreneurship*	3
TECHCOMM 7003 Technology Enterprise design and Implementation*	3

* Masters Project Components

4.1.2 Masters Project

TECHCOMM 7006 Masters Project (Australia)	12
TECHCOMM 7007 Masters Project (International)	12

4.1.3 Elective courses

MECH ENG 5010TB Applied Project Management	3
MECH ENG 5014TB New Enterprise Operations	3
TECHCOMM 5002 Managing Product Design and Development	3
TECHCOMM 5009 Business and Contract Management	3

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

MECH ENG 5003TB
Leading and Managing

3 units semester 1

60 hours

Capable people are central to any project work. Developing high performance teams requires an understanding of the human dimension of project teams in combination with functional and technical competence. This course examines the nature and dynamics of effective teams, the processes of team selection and establishment, strategies for team growth, group decision making, planning, problem solving, managing conflict, promoting collaboration, monitoring and evaluating team performance. Projects are prolific generators and consumers of information through meetings, telephone calls, emails, drawings, reports, specifications, contracts, change orders etc. Effective communication is the key to peak team performance and stakeholder confidence that the project is on track. This course also explores the features of effective communication, the processes for structuring and managing project information to facilitate decision making.

assessment: coursework, including class presentations

MECH ENG 5005TB
Entrepreneurship and Innovation

3 units semester 2

60 hours

This course introduces key concepts and furthers the understanding of the role of innovation and technology and their efficient management to build and maintain a competitive edge in an entrepreneurial business. Innovation and technology management links engineering, science and management principles to identify, choose and implement the most effective means of attaining compatibility between internal skills and resources of an organisation and its competitive, economic and social environment. This course provides entrepreneurs and managers with a set of concepts and tools to improve the competitiveness of their venture or organisation.

assessment: coursework, including class presentations

MECH ENG 5010TB
Applied Project Management

3 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 5011TB
New Enterprise Financial Management

3 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, 3 hour closed book exam

MECH ENG 5012TB
Opportunity Assessment

3 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 5013TB
New Enterprise Marketing

3 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

MECH ENG 5014TB
New Enterprise Operations

3 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 6000ATB
Diploma Project in Entrepreneurship Part 1

MECH ENG 6000BTB
Diploma Project in Entrepreneurship Part 2

9 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

TECHCOMM 5001
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.

TECHCOMM 5002
Managing Product Design and Development

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.

TECHCOMM 5003
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.

TECHCOMM 5004
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.

TECHCOMM 5005
Financing Commercialisation

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.

TECHCOMM 5006
Technology Management & 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.

TECHCOMM 5007
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.

TECHCOMM 5008
Creative & 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.

TECHCOMM 5009
Business and Contract Management

3 units

Rarely are projects executed without some expertise or components being sourced externally or from other business units within an organisation. This course provides students with an overview of Contract Law, an understanding of the key processes in managing internal agreements and formal contracts including procurement strategies and contract options, contract documentation, tendering, evaluating and selection, contract administration, claims management, negotiation and dispute resolution

TECHCOMM 5010
Technology Project Management

3 units

Every project has a set of key performance outcomes to be met, within core constraints of a time frame and cost budget. This course examines the operational and management process, the tools and techniques that support effective quality, time and cost management in projects. Topics include quality management concepts, systems, processes, tools and techniques that link project objectives with specific project outcomes and criteria against which performance can be measured. Time cost management include forecasting and scheduling, activities definition, duration estimating, activity sequencing, monitoring and evaluating progress, and developing strategies to manage time conflicts in projects. Cost management topics include cost estimating, resource cost planning, cost status reporting, cost control, and managing the cost implications of change. The concept of value-adding through process improvement is canvassed through performance measurement, assessment and evaluation, and tools used in TQM.

TECHCOMM 5011
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.

TECHCOMM 6002A/B
Integrated Application Project A

9 units

Projects are initiated to achieve change, improvement, a commercial outcome and to increase stakeholder value. Mastery in project management revolves around integrating the strategic, tactical and operational interfaces into a seamless management plan. This course examines the process and key issues in developing the strategic purpose, justification and critical outcomes of the project into this integrated plan and its use as a baseline for all tactical and operational decision-making, monitoring, reporting and evaluating project performance. Topics include the project sponsor and key stakeholders, project initiation, scope planning, scope definition and validation, key performance indicators, strategies and techniques for pro-actively managing contingencies, changes and risk events to deliver improved project outcomes for an organisation. Students undertake a major practical application of action-research of a project situation. The Industry linked project demonstrates integration of the core operational, tactical and strategic project management functions and the professional responsibility these entail.

TECHCOMM 6003A/B
Integrated Application Project B

9 units

Projects are initiated to achieve change, improvement, a commercial outcome and to increase stakeholder value. Mastery in project management revolves around integrating the strategic, tactical and operational interfaces into a seamless management plan. This course examines the process and key issues in developing the strategic purpose, justification and critical outcomes of the project into this integrated plan and its use as a baseline for all tactical and operational decision-making, monitoring, reporting and evaluating project performance. Topics include the project sponsor and key stakeholders, project initiation, scope planning, scope definition and validation, key performance indicators, strategies and techniques for pro-actively managing contingencies, changes and risk events to deliver improved project outcomes for an organisation. Students undertake a major practical application of action-research of a project situation. This project is individualised; students are encouraged to select work-related projects that are of particular interest to them (upon discussion with the Academic Manager) and which will result in personal professional growth and benefit to the organisation selected as the subject of the case study.

TECHCOMM 7001
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.

TECHCOMM 7002
Art & 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.

TECHCOMM 7003
Technology Enterprise Design & 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.

TECHCOMM 7006A/B
Masters Project (Australia)

12 units

This 12 unit project provides participants with the opportunity to gain the knowledge and innovation skills to cope with the formidable economic, social, financial, and political changes associated with creating value from knowledge in an age of global information and digital knowledge. The focus is on the transfer of research, knowledge, and technology from the laboratory to the market.

The project commences with coverage of the commercialisation process, centring on getting ideas, innovations, or discoveries into the marketplace in the form of products or services, or into the value chain at any step, to increase the competitive advantage of the enterprise. This phase is designed to provide an overview of the technology commercialisation process, with special emphasis on the sub processes of technology assessment. Participants are engaged in technology assessment projects that link the activities of research and development, product and process design, technology transfer and marketing, new venture financing, technology entrepreneurship and intrapreneurship, protection of intellectual property, and management.

Upon completion of the in depth opportunity and feasibility analysis, the focus moves to recognising venture opportunities, developing ideas for ventures into venture plans, assessing venture ideas and models, improving venture plans, and communicating venture plans to stakeholders to obtain resources to proceed to the next stage of commercialisation of a technology. Special emphasis is placed on the role of the entrepreneurial team as a major success factor in developing the new venture. This is designed for inventors, entrepreneurs, and/or individuals in corporations who want to know how to proceed in the commercialisation process after they have matched a market need with a technology-enabled product or service idea.

TECHCOMM 7007A/B
Masters Project (International)

12 units

The ability to commercialise new knowledge rapidly is essential for competitive advantage in dynamically changing private and public sector environments. Commercialisation is key to the reinvention of organisations and the basis for the creation of new knowledge-based enterprises.

The 12 unit International Science and Technology specialised Masters of Commercialisation project provide participants with the opportunity to gain the knowledge and innovation skills to cope with the formidable economic, social, financial, and political changes associated with creating value from knowledge in an age of global information and digital knowledge. The focus is on the transfer of research, knowledge, and technology from the laboratory to the market. This is undertaken by successfully completing three UT courses: Converting Technology to Wealth, The Art and Science and Market Driven Entrepreneurship and Technology Enterprise Design and Implementation. The project includes an orientation session at the University of Texas in Austin. Additional work involves bringing together, in a commercialisation plan, the outcomes of the students' participation in a global, University of Texas-based classroom.

Master of Software Engineering

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of 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 the University of Adelaide:

(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 the University of Adelaide, 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 School.

5.2 To complete a course of study a candidate shall, unless exempted by the Head of the School 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 School 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 Academic program

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 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.

5.6 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

5.7 Graduation

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.

6 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 Academic Program Rules for any particular award.

core courses

COMP SCI 7049A
Software Engineering Project Part 1

COMP SCI 7049B
Software Engineering Project Part 2

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
Software Development Studio part 1

COMP SCI 7065B
Software Development Studio part 2

6 units full year

project based

prerequisite: 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

2 units not offered in 2003

65 hours practical work

prerequisite: 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

3 units semester 2

project based

prerequisite: 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 (in this volume) and Bachelor of Mathematical and Computer Sciences (*Calendar 2003 Handbook of Undergraduate Programs*) for other syllabus details.

Doctor of Engineering

Academic Program Rules

1 (a) Subject to these Academic Program Rules a person who has been admitted in the University of Adelaide to an Honours degree of Bachelor or a degree of Master in Science, Agricultural Science, Applied Science, Engineering or Engineering Science, or to the degree of Doctor of Philosophy in a field of study approved by the Faculty of Engineering, Computer and Mathematical Sciences, may proceed to the degree of Doctor of Engineering

(b) On the recommendation of the Faculty of Engineering, Computer and Mathematical Sciences the Council may accept as a candidate for the degree a person who has been admitted to a degree in the University of Adelaide other than one named in section (a) of this regulation, or who is a graduate of another university or institution of higher education recognised by the University of Adelaide and has a substantial association with the University; provided that in each case the graduate concerned has, in the opinion of the Faculty, had an adequate engineering training

(c) On the recommendation of the Faculty of Engineering, Computer and Mathematical Sciences the Board of Research Education and Development, acting with authority wittingly devolved to it by Council may, in special cases, accept as a candidate for the degree a person who does not hold a degree of a university or institution of higher education, provided that in each case the candidate concerned has a substantial association with the University and has, in the opinion of the Faculty adequate engineering credentials

(d) Except where a person has been accepted as a candidate under regulation 1(c), no person shall be accepted as a candidate for the degree of Doctor of Engineering before the expiration of five years from the date of the original graduation.

2 (a) A person who desires to become a candidate for the degree shall give notice of the intended candidature in writing to the Manager, Graduate Administration and Scholarships, Adelaide Graduate Centre and with such notice shall furnish particulars of the applicant's engineering achievements and of the work to be submitted for the degree

(b) The Faculty of Engineering, Computer and Mathematical Sciences shall appoint a committee to examine the information submitted and to advise the Faculty on whether the Faculty should:

(i) allow the applicant to proceed, and approve the subject or subjects of the work to be submitted *or*

(ii) advise the applicant not to submit his work: and the Faculty's decision shall be conveyed to the applicant

(c) If it accepts the candidature and approves the subject or subjects of the work to be submitted the Faculty shall nominate examiners of whom one at least shall be an external examiner.

3 (a) To qualify for the degree the candidate shall furnish satisfactory evidence that the candidate has made an original contribution of distinguished merit adding to the knowledge, understanding or practice of any subject with which the Faculty is directly concerned

(b) The degree shall be awarded primarily on a consideration of such published works as the candidate may submit for examination.

(c) The candidate in submitting published works shall state generally in a preface and 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 his work which he claims as original

(d) The candidate is required to indicate what part, if any, of the work has been submitted for a degree in this or any other university.

4 The candidate shall lodge with the Adelaide Graduate Centre, three copies of the work prepared in accordance with the directions given in sub-paragraph (b) of clause 2B of Chapter XXV of the Statutes. If the work is accepted for the degree two copies of the work will be transmitted to the University Library.

5 A candidate who complies with the foregoing conditions and satisfies the examiners may, on the recommendation of the Faculty of Engineering, Mathematical and Computer Sciences be admitted to the degree of Doctor of Engineering.

6 Notwithstanding anything contained in the preceding rules, the Faculty may recommend the award of the degree to any person who is not a member of the staff of the University. Any such recommendation must be

accompanied by evidence that the person for whom the award is proposed has made an original and substantial contribution of distinguished merit to the knowledge or understanding of a subject with which the Faculty is directly concerned, of a standard not less than that required by regulation 3.

For further information please contact the Adelaide Graduate Centre.

Regulations allowed 15 January, 1976.

Amended: 4 Feb. 1982: 2, 4 21; Feb. 1991: 1;13 Feb. 1992: 1(d), 2(a), 3(a), 3(b), 3(c), 3(d).

Rule approved and Regulation repealed 18 March 1999.

Professional Certificate in Applied Statistics

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

Except with the special permission of the Faculty, the program for the Professional Certificate shall be completed in two semesters.

2 Admission

2.1 An applicant for admission to the program for the Professional Certificate in Applied Statistics shall have qualified for a degree of the University or another institution accepted by the University for the purpose as equivalent, or shall have had at least 3 years approved statistical 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 any conditions 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 Rule 2.1 above but who has presented evidence satisfactory to the Faculty of fitness to undertake work for the Professional Certificate.

2.3 Status, exemption and credit transfer.

With the permission of the Faculty, status may be granted for courses, on written application from the candidate.

2.4 Articulation with other awards.

A candidate who has been admitted to the Professional Certificate in Applied Statistics and who subsequently satisfies the requirements for the Graduate Diploma in Statistics must surrender the Professional 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 Professional 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 the examination shall be deemed to have failed the examination

4 Qualification requirements

4.1 Academic program

To qualify for the Professional Certificate, a candidate shall satisfactorily complete three courses, as listed below and a project.

STATS 5000 Descriptive Statistics and Probability	2
STATS 5001 Statistical Inference and Regression	2
STATS 5002 Time Series and Survey Sampling Methods	2
STATS 5003A/B Project	1

4.2 No candidate will be permitted to count for the Professional 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.

4.3 Graduation

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.

STATS 5000
Descriptive Statistics and Probability

2 units

2 hour lecture, 1 hour discussion/workshop session, 1 hour computer laboratory per week for 8 weeks

Looking at Data: stemplots, histograms, density curves, bar graphs, sample means, sample standard deviations, summary statistics based on the ordered data, 5 number summaries, boxplots. Exploring Relationships: two categorical variables, quantitative vs categorical, two quantitative variables, time as a variable, scatterplots, correlation, hidden variables, causation and spurious correlations. Producing Data: Different types of data collection - designed experiments, observational studies, sampling. Designed experiments: bias, control, randomisation, replication, blocking. Populations and samples, simple random sampling. Probability: the frequency interpretation, sample spaces, events, probability axioms, conditional probability, the law of total probability. Random variables: discrete random variables and probability functions, continuous random variables and the probability density function, means and variances, linear transformations. The relationship of the mean to the sample mean. The law of large numbers. Probability Distributions: the binomial distribution, the normal distribution, normal quantile plots, the normal approximation to the binomial distribution, sums of independent random variables, the central limit theorem. Modelling with Probability: the Poisson process, the Poisson distribution, the exponential distribution. The uniform distribution and pseudo-random numbers.

assessment: two assignments each 20%, 2 hour exam 60%

STATS 5001
Statistical Inference and Regression

2 units

2 hour lecture, 1 hour discussion/workshop session, 1 hour computer laboratory per week for 8 weeks

Statistical Inference: inference for a single sample, point estimates, confidence intervals, tests of hypotheses, test statistics and P-values, sample size calculations. Z-tests and t-tests. Inference for two samples: paired and unpaired designs. Regression: the linear regression model, the method of least squares, the least squares line, estimation of s2, inference for regression coefficients, R2, confidence and prediction intervals. Model checking, the residual plot, the normal quantile plot, outliers in regression, transformations. Multiple Regression: the multiple regression model, least squares estimates, interpretation of regression coefficients, multiple R, t-tests and F-tests, multicollinearity, confidence and prediction intervals, model checking. Analysis of Variance: the one-way layout, the two-way layout, main effects and interactions, analysis of co-variance models, model checking. Inference for Proportions: a single proportion, comparison of two proportions, 2 x 2 tables, r x s tables, chi-squared tests. Non-parametric Statistics: when to use non-parametric procedures, the runs test, the sign test, the Wilcoxon matched-pairs signed-ranks test, the Mann-Whitney U test, the Kruskal-Wallis test.

assessment: two assignments each 20%, 2 hour exam 60%

STATS 5002
Time Series and Survey Sampling Methods

2 units

2 hour lecture, 1 hour discussion/workshop session, 1 hour computer laboratory per week for 8 weeks

Time series analysis: plotting time series, stationarity, trends, seasonal effects, cycles, jumps in time series. Time series models: Auto-correlation, first and second order auto-regressive processes for forecasting using multiple regression. Transformations. Exponentially weighted moving average models for forecasting. Quality improvement in business: Definitions of quality assurance and quality improvement. Flow diagrams, cause and effect diagrams, Pareto charts. Stability of processes. Monitoring processes, uses and abuses of performance indicators. Deming cycle. Quality control in business: Shewhart mean and range charts, charts for counts and proportions, CUSUM charts, moving average charts, in the context of service industries. Sample surveys - Sampling Strategies: Populations and samples, simple random samples, stratified sampling, cluster and multi-stage sampling, quota sampling, systematic sampling, role of sample size. Sample surveys - analysis: Sample size calculations, allocations for stratified sampling. Non-response, strategies for follow up, quantitative assessment of likely non-response bias. Sample surveys – case studies.

assessment: two assignments each 20%, 2 hour exam 60%

STATS 5003A/B
Project

1 unit

As part of the assessment participants will also work in small groups on a project throughout the duration of the program. This project is intended to be a substantial investigation that takes the participants through the stages of planning, drafting a proposal, obtaining and analysing the data and producing a final report and presentation.

assessment: project proposal 10%, oral presentation 20%, written report: 70%

Graduate Certificate in Computer Science

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 the University of Adelaide, 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 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 School 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 Academic program

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.

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 that he or she has already presented for another award.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Graduate Diploma in Computer Science for syllabus details.

Graduate Certificate in Mathematical Signal and Information Processing

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

1.1 A candidate shall:

(a) complete any preliminary work which may be prescribed;

(b) 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 the University of Adelaide, 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 Faculty of Engineering, Computer and Mathematical Sciences a candidate for the Graduate Certificate is not making satisfactory progress, the Faculty may, with the consent of the Council, terminate the candidature.

4 Qualification requirements

4.1 To qualify for the degree a candidate shall:

(a) comply with conditions as prescribed in the Academic Program Rules *and*

(b) pass such examinations on the candidate's program of advanced study as may be required by the Faculty.

4.2 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.

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 the University of Adelaide or other tertiary institutions in South Australia as may be approved by the Faculty of Engineering, Computer and Mathematical Sciences.

4.3.4 The availability of all courses is conditional on there being adequate staffing levels and resources.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

Prospective students should consult the program coordinator early in the year in which the program is being offered regarding the content of the courses that are to be offered in that year.

Graduate Certificate in Mathematics Education

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:

(a) have qualified for a degree and a Graduate Diploma in Education of the University or hold qualifications from another institution accepted by the University for the purpose.

(b) have completed such other work as may be prescribed in the 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 Academic Program Rules.

4.2 Academic program

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:

(a) 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.

(b) 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:

(a) regularly attend the prescribed lectures, tutorials, workshops and seminars; and

(b) undertake such computing work, practical work, field work and case studies, do such reading, written and oral work and pass such examinations, as the Faculty may prescribe.

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 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 the University of Adelaide 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.

4.4 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

4.5 Graduation

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

5 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 Academic Program Rules for any particular award.

The Faculty of Engineering, Computer and Mathematical 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 the University of Adelaide Liaison Officer, Graduate Certificate in Mathematics Education, through the Office of the Dean in early October of the year before they plan to enrol.

In some cases, students may need to undertake preliminary bridging studies prior to the time of enrolment, to ensure that they have the necessary mathematical background indicated in the syllabuses.

Each student will be assigned a supervisor who will advise, where applicable, on project work, directed reading and selection of 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 the University of Adelaide will usually select their non-core courses from Group C, which

comprises courses offered at the University of Adelaide. 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

Note: Postgraduate tuition fees apply to this program.

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 Faculty of Engineering, Computer and Mathematical 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 Faculty of Engineering, Computer and Mathematical Sciences 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 Academic program

4.2.1 The Graduate Certificate in Telecommunications is a collaborative program between Mathematical and Computer Sciences, and Engineering, and is administered by 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 Program Director (or nominee).

4.2.4 To complete a program of study, a candidate, unless exempted by the Faculty, shall:

(a) regularly attend the prescribed lectures, tutorials, workshops and seminars; and

(b) undertake such computing work, practical work, field work and case studies, do such reading, written and oral work and pass such examinations, as the Faculty may prescribe.

4.2.5 Each candidate's program of study must be approved by the Program Director (or nominee) at enrolment each year.

4.3 Courses of study

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 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.

Group D

Other relevant courses or work as may be approved by the Program Director (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.

4.4 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

4.5 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

The degree draws upon courses on telecommunications given by the Schools of Applied and Pure Mathematics, and Electrical and Electronic Engineering at the University of Adelaide and by the School of Electronic Engineering at the University of South Australia.

It is designed to broaden the participants' knowledge of telecommunications by utilising the wide spread of knowledge and experience in South Australian universities.

Graduate Diploma in Applied Statistics

Note: Postgraduate tuition fees apply to this program

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 School of Applied Mathematics 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

4.1 Academic program

To qualify for the Graduate Diploma, a candidate 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.

4.1.1 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

4.1.2 Level III Statistics courses

APP MTH 6003 Life Contingencies III	2
STATS 6001 Statistical Modelling III	3
STATS 6004 Multivariate Analysis III	2
STATS 6005 Time Series III	2
STATS 6006 Theory of Statistics III	3
STATS 6007 Non-parametric Methods III	2
STATS 6008 Biostatistics III	2
STATS 6010 Experimental Design III	2
STATS 6011 Statistics for Quality Improvement III	2
STATS 6014 Sampling Theory and Practice III	2

4.1.3 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

4.1.4 Statistics courses listed in 5.3.1 for the degree of Master of Mathematical Sciences.

4.1.5 Other Statistics courses which may be offered from time to time by the School of Applied Mathematics and the Biometry Section (waite Campus) of the University of Adelaide.

4.1.6 Compulsory project

STATS 6015 Statistics Project 8

In addition to the course work each student will be expected to complete a project chosen in consultation with and supervised by a supervisor from either the Biometry Section (Waite Campus) or the School of Applied Mathematics.

4.2 On the recommendation of the Head of the School of Applied Mathematics, the Faculty may exempt a candidate from the need to satisfy the prerequisites prescribed for the course.

4.3 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

STATS 6001
Statistical Modelling III

3 units semester 1

3 lectures per week; 1 tutorial. 2 hours practical every 3 weeks

prerequisite: a mathematical and statistical background as would be gained from Level I of a Bachelor award

assumed knowledge: a statistical background such as would be gained from any 2 of the Level II Statistics courses

This course aims to provide students with further fundamental work on modelling in statistics. The linear model. Least squares estimation: geometry of least squares, orthogonal projection, properties of estimators. Regression. Large sample approximation, Transformations, model selection, diagnostics, nonlinear regression. Introduction to generalised linear models; loglinear models.

assessment: 3 hour exam, class exercises, practicals, project work

APP MTH 6002
Applied Probability III

2 units semester 1

2 lectures per week; 1 tutorial, 2 hours practical every 3 weeks

prerequisite: a mathematical background as would be gained from Level I of a Bachelor award

assumed knowledge: as determined in consultation with the Course Coordinator

Markov chains: recurrence and transience, minimality properties, discrete renewal theorem, global and partial balance equations, reversibility. Kolmogorov criterion, potentials.

assessment: final exam, small percentage may be allocated to class and/or computing exercises

APP MTH 6003
Life Contingencies III

2 units semester 2

2 lectures per week; 1 tutorial, 2 hours practical every 3 weeks

prerequisite: a mathematical and statistical background as would be gained from Level I of a Bachelor award

assumed knowledge: as determined in consultation with the Course Coordinator

Life tables and force of mortality; select, aggregate and ultimate mortality tables; annuities immediate and due, assurances and premiums. Relations between mortality functions; policy values, reserves and mortality profit. Multi-decrement tables and associated single-decrement, combined tables and monetary functions. Both practical and theoretical aspects of the above will be discussed.

assessment: final exam, small percentage may be allocated to class and/or computing exercises

APP MTH 6004
Mathematical Biology III

2 units not offered in 2003

2 lectures per week; 1 tutorial, 2 hours practical every 3 weeks

prerequisite: a mathematical background as would be gained from Level I of a Bachelor award

assumed knowledge: as determined in consultation with the Course Coordinator

A survey of applications of mathematics to various biological science problem areas. Topics from: epidemics, genetics, evolution, enzyme kinetics, diffusion, cardiovascular system, compartmental analysis, drug distribution problems, biological fluid dynamics, population dynamics, population extinction, community ecology.

assessment: final exam, small percentage may be allocated to class and/or computing exercises

APP MTH 6005
Mathematical Programming III

2 units semester 2

2 lectures per week; 1 tutorial, 2 hours practical every 3 weeks

prerequisite: a mathematical background as would be gained from Level I of a Bachelor award

assumed knowledge: as determined in consultation with the Course Coordinator

A selection of topics from: advanced linear programming, network theory, integer programming, dynamic programming and applications.

assessment: final exam, small percentage may be allocated to class and/or computing exercises

APP MTH 6006
Stochastic Modelling for Telecommunications III

3 units semester 2

3 contact hours per week; at least 2 hours lectures per week with the third hour used for extra lectures and tutorials.

assumed knowledge: as determined in consultation with the Course Coordinator

Definition of continuous-time Markov-chains, classical queueing examples, transient behaviour, the stationary distribution, hitting probabilities and expected hitting times. Stochastic Modelling of traffic streams. Effective bandwidth and quality of service. Evaluation of exact and approximate performance measures for both queueing networks and loss networks. TCP/IP protocols and

performance measures. Applications of the above concepts to complex models of telecommunication systems.

assessment: examination, assignments and mini-projects

STATS 6002
Introduction to Mathematical Statistics II

2 units semester 1

2 lectures per week, 1 tutorial and 1 hour practical every fortnight.

prerequisite: a mathematical and statistical background as would be gained from Level I of a Bachelor award

This course provides the mathematical and statistical foundation necessary for the further study of statistical modelling and inference. Probability (axiomatic approach): sample spaces, probability measures, counting methods for probability, capture/recapture method, conditional probability, law of total probability, Bayes' Rule, independence. Random variables: the frequency and cumulative distribution functions for discrete random variables, the Bernouilli, binomial, hypergeometric, geometric, negative binomial and Poisson distributions and Poisson processes. The density and cumulative distribution functions for continuous random variables, the uniform, exponential (and relation to Poisson process), gamma and normal distributions, quantiles. Distribution of transformed variables, relationship of uniform to other distributions and simulation. Joint distributions: bivariate discrete and continuous distributions, joint probability density functions, marginal and conditional distributions, independent random variables, multinomial and bivariate normal distributions, sums of correlated random variables; convolutions and some multivariate generalisations. Expected values: expected values of discrete and continuous random variables, expectations of functions of random variables, variance and standard deviation, Chebychev's Inequality, covariance and correlation and moment generating functions. There is a textbook for this course.

assessment: 2 hour exam, exercises, practicals, project work.

STATS 6003
Statistical Practice II

2 units semester 1

2 lectures per week, 1 hour practical every week

prerequisite: a statistical background as would be gained from Level I of a Bachelor award

assumed knowledge: a mathematical background as would be gained from Level I of a Bachelor award

This course is an extension of Statistical Practice I, providing a broader and deeper understanding of the application of statistical methods to data. Topics covered include randomisation, blocking and the design and analysis of experiments; analysis of variance; elementary factorial designs; linear and multiple regression, regression diagnostics, the analysis of residuals; the design and analysis of surveys, simple random sampling, the analysis of frequency data; power; elementary distribution-free methods such as the sign test and rank tests.

assessment: 2 hour final exam, class exercises, practicals, project work

STATS 6004
Multivariate Analysis III

2 units not offered in 2003

2 lectures, 1 tutorial and 1 hour practical every 3 weeks

prerequisite: a mathematical and statistical background as would be gained from Level I of a Bachelor award

assumed knowledge: a statistical background such as would be gained from any 2 of the Level II Statistic courses.

Multivariate analysis: multinormal regression, maximum likelihood estimators of the regression and variance matrices, the likelihood ratio test for the general linear hypothesis and the moments of its null distribution. Tests for extra variates, sample and population multiple discriminant functions, profile analysis. Multivariate data analysis using S-PLUS. Classification and discrimination.

assessment: 2 hour exam, class exercises, practicals, project work

STATS 6005
Time Series III

3 units not offered in 2003

3 lectures per week, 1 tutorial and 1 hour practical every 3 weeks

prerequisite: a mathematical and statistical background as would be gained from Level I of a Bachelor award

assumed knowledge: a statistical background such as would be gained from any 2 of the Level II Statistics courses

Stationary processes in discrete time: autocorrelation function, its properties and estimates, linear filters and suppression of noise. Estimation of trend and seasonal components. Autoregressive and Moving Average processes. Identification and invertibility. Box-Jenkins modelling and forecasting, use of S-PLUS for Box-Jenkins modelling. Frequency domain techniques.

assessment: 2 hour exam, class exercises, practicals, project work

STATS 6006
Theory of Statistics III

3 units semester 1

3 lectures per week, 1 tutorial and 2 hours practical every 3 weeks

prerequisite: a mathematical and statistical background as would be gained from Level I of a Bachelor award

assumed knowledge: STATS 2011 Statistical Theory and Modelling II

This course aims to provide students with fundamental distribution theory together with the underlying basics in statistical inference. It forms the basis upon which the remaining courses are built. Calculus of distributions. Moments and cumulants. Moment

generating functions. Multivariate distributions: Marginal and conditional distributions, Conditional expectation and variance operators, Change of variable, multivariate normal distribution, Exact distributions arising in Statistics. Convergence results: weak convergence, convergence in distribution, Central Limit Theorem. Statistical Inference. Likelihood, score and information. Estimation and properties of estimators: sufficiency, efficiency, consistency, maximum likelihood estimators, large sample properties. Tests of hypotheses: likelihood ratio, score and Wald tests, large sample properties.

assessment: 3 hour exam, class exercises, practicals, project work

STATS 6007
Non-Parametric Methods III

2 units not offered in 2003

2 lectures, 1 tutorial and 1 hour practical every 3 weeks

prerequisite: a mathematical and statistical background as would be gained from Level I of a Bachelor award

assumed knowledge: STATS 3001 Statistical Modelling III, STATS 3006 Theory of Statistics III

Rank based non-parametric tests for the comparison of two or more treatments, with and without blocking. Tests of randomness and independence. Exact and asymptotic results under the randomisation model, various population and finite population models. Parallels between non-parametric and parametric methods.

assessment: 2 hour exam; class exercises, practicals, project work

STATS 6008
Biostatistics III

2 units semester 2

2 lectures per week, 1 tutorial and 1 hour practical every 3 weeks

prerequisite: a mathematical and statistical background as would be gained from Level I of a Bachelor award

assumed knowledge: a statistical background such as would be gained from any 2 of the Level II Statistics courses

Clinical trials: the study protocol, justification and purposes of randomisation, ethical considerations, parallel group designs, methods of randomising, trial size, biased coin designs, cross-over, factorial and 'bioequivalence' designs. Epidemiology: cohort and case-control studies; criteria for assessing causality; incidence, prevalence, hazard rate; models of disease association: relative risk, odds ratio, attributable risk; diagnostic tests and screening; simple epidemic models.

Methods for the analysis of biostatistical data: 2 x 2 tables, Fisher's Exact test, Pearson's X2 test, McNemar's test, Simpson's paradox, combining several 2 x 2 tables, the Mantel-Haenszel test; binary logistic regression; log-linear models.

assessment: 2 hour exam, class exercises, practicals, project work

STATS 6010
Experimental Design III

2 units not offered in 2003

3 lectures per week, 1 tutorial and 1 hour practical every 3 weeks

prerequisite: a mathematical and statistical background as would be gained from Level I of a Bachelor award

assumed knowledge: a statistical background such as would be gained from any 2 of the Level II Statistics courses

Principles of experimental design, including randomisation, replication and blocking. Factorial experiments, confounding and fractional replication. Split plot designs, other multi-stratum experiments and their analysis. Incomplete block designs, canonical efficiencies and analysis by generalised sweeps. There will be an emphasis on practical aspects of the course. S-PLUS will be used throughout.

assessment: 2 hour exam, class exercises, practicals, project work

STATS 6011
Statistical Theory & Modelling II

2 units semester 2

2 lectures per week, 1 hour practical every week

prerequisite: a mathematical and statistical background as would be gained from Level I of a Bachelor award)

assumed knowledge: STATS 2002 Introduction to Mathematical Statistics II

Estimation. Properties of estimators: unbiasedness, consistency, efficiency, sufficiency. Method of moments. Maximum likelihood: score, information, large sample properties. Minimum variance bound. Tests of hypotheses. Type I, II errors, significance level, power. Likelihood ratio, and other large-sample equivalents. Interval estimation. Confidence intervals. An introduction to linear models, and Analysis of Variance. An introduction to, and examples using S-Plus will be included.

assessment: 2 hour exam, class exercises, practicals, project work

STATS 6011
Statistics for Quality Improvement III

2 units semester 1

2 lectures per week, 1 tutorial and 1 hour practical every 3 weeks

prerequisite: a mathematical and statistical background as would be gained from Level I of a Bachelor award

The Deming philosophy of quality; design and use of control charts for attributes and variables; process capability; CUSUM charts; the 7 tools of Total Quality Control; industrial experiments, particularly fractional factorial and response surface designs; Taguchi methods; signal/noise ratios; components of variance; measurement error.

assessment: 2 hour exam, class exercises, practicals, project work

STATS 6014
Sampling Theory and Practice III

3 units semester 2

3 lectures per week, 1 tutorial and 1 hour practical every 3 weeks

prerequisite: a mathematical and statistical background as would be gained from Level I of a Bachelor award

assumed knowledge: a statistical background such as would be gained from any 2 of the Level II Statistics courses

Introduction: experiments and surveys; steps in planning a survey. Statistical characterisations of finite populations; total, mean, variance, mean square. Randomisation approach to sampling and estimation; sampling distribution of estimator; expected values, variances; generalisation of probability sampling. Prediction approach; inadequacies of approach; decomposition of population total; concomitant variables. Models: regression through the origin; estimation by least squares; ratio estimator; variance formulas. Balance and robustness; best fit sample. Stratified sampling; estimation; allocation; construction of strata; stratification on size variables; post-stratification. Two stage sampling; estimation; allocation. Cluster sampling.

assessment: 2 hour exam, class exercises, practicals, project work

Graduate Diploma in Computer Science

Note: Postgraduate tuition fees apply to this program.

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 School 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 School 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 Academic Program Rules.

2.4 Articulation with other awards

2.4.1 A candidate who has been enrolled for the Graduate Certificate at the University of Adelaide and who has not been awarded the Graduate Certificate shall, on written application, 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 the University of Adelaide 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 School 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

4.1 Academic Program

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 School of Computer Science totalling 24 units, including the 3 unit course COMP SCI 3006 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:

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 School of Computer Science (or nominee) a student may also undertake a selection of courses from the Academic Program Rules for the degree of Master of Computer Science.

4.2 On the recommendation of the Head of the School of Computer Science, the Faculty may exempt a candidate from the need to satisfy the prerequisites prescribed for the course.

4.3 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

textbooks and reference books

Booklists will be made available by the School of Computer Science.

assessment

Details of course assessment are made available at the relevant lectures during Orientation Week.

COMP SCI 6000
Compiler Construction and Project

3 units semester 1

2 lectures, 4 hours practical work a week

prerequisite: passes in COMP SCI 2000 Computer Systems, COMP SCI 2004 Data Structures and Algorithms

assumed knowledge: COMP SCI 2001 Programming Paradigms and COMP SCI 3002 Programming Techniques

The structure of compilers: lexical analysis, syntax analysis (top-down and bottom-up techniques), environmental handling, the handling of context-sensitive and context-free errors, type checking and code generation. Run-time support for Algol-like languages, including storage management. BNF languages and grammars. This course is closely coupled with the writing of a large, compulsory programming project

assessment: 2 hour exam, compulsory project

COMP SCI 6001
Computer Architecture

2 units semester 1

2 lectures, 2 hours practical work a week, tutorial/homework exercises every 3 weeks

prerequisite: passes in COMP SCI 2000 Computer Systems and COMP SCI 2004 Data Structures and Algorithms

Fundamentals of computer design; quantifying cost and performance; instruction set architecture; program behaviour and measurement of instruction set use; processor datapaths and control; pipelining, handling pipeline hazards; memory hierarchies and performance; I/O devices, controllers and drivers; I/O and system performance.

assessment: 2 hour exam, exercises and practicals

COMP SCI 6002
Computer Networks and Applications

2 units semester 2

2 lectures, 2 hours of practical work a week

prerequisite: COMP SCI 1002A/B Computer Science I (Pass Div I) or COMP SCI 6003 Computer Science Concepts or pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design

assumed knowledge: as determined in consultation with the Course Coordinator

Introduction to networks and digital communications with a focus on Internet protocols: Network layer model, Internet application protocols, UDP, TCP (reliable transport, congestion and flow control), IP (routing, addressing), Data Link layer operation (Ethernet, 802.11), physical transmission media, Nyquist and Shannon results, selected current topics such as: security, multimedia protocols, Quality of Service, mobility, emerging protocols (IPv6).

assessment: 2 hour exam, practicals, exercises

COMP SCI 6003
Computer Science Concepts

3 units summer semester

Programming in Java: variables, control structures, methods, classes, input/output; object orientation, interfaces, inheritance; introduction to graphical user interfaces. Introduction to computer systems, system software and basic Unix.

assessment: 3 hour written exam; compulsory practical exercises

Note: this course commences in late January

COMP SCI 6004
Computer Systems

2 units semester 1

2 lectures, 2 hours practical work a week, 1 tutorial a fortnight

prerequisite: Pass Div I in COMP SCI 1002A/B Computer Science I or Pass in COMP SCI 6003 Computer Science Concepts or Pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design

assumed knowledge: as determined in consultatiòn with the Course Coordinator

Instruction sets, assembler programming calling mechanisms, linking/loading, CPU organisation, memory hierarchy, input/output devices, controllers and drivers.

assessment: 2 hour exam, compulsory practicals

COMP SCI 6005
Data Structures and Algorithms

2 units semester 1

2 lectures, 2 hours practical work a week; 1 tutorial a fortnight

prerequisite: COM P SCI 1002A/B Computer Science I (Pass Div I); or Pass in COMP SCI 6003 Computer Science Concepts; or Pass in both COMP SCI 1000 Engineering Programming IE and ELEC ENG 1004 Logic Design

assumed knowledge: as determined in consultation with the Course Coordinator

Program development techniques including basic ideas of correctness; representation of lists, stacks, queues, sets, hash and tree tables.

Notions of complexity and analysis; notion of abstract data type; sets and sequences as examples; searching and information retrieval illustrated with a 'table' abstract data type; various representations of a 'table' abstract data type; recursion. Introduction to the Personal Software Process.

assessment: 2 hour written exam, programming exercises

COMP SCI 6006
Database and Information Systems

2 units semester 1

2 lectures, 2 hours practical work a week, 1 tutorial a fortnight

prerequisite: COMP SCI 1002A/B Computer Science I (Pass Div I; or Pass in COMP SCI 6003 Computer Science Concepts; or Pass in both COMP SCI 1000 Engineering Programming IE and ELEC ENG 1004 Logic Design; or, for B.Inf.Sc. students only, 1073 Programming and Applications I

assumed knowledge: as determined in consultation with the Course Coordinator

restriction: cannot be counted with previously offered 2687 Databases and Information Systems

Characteristics of secondary storage media, Database algorithms for projection, selection, join, union, intersection, difference updating and grouping illustrated in Cobol. The use of SQL to create query databases. Implementation issues.

assessment: 2 hour exam (may have a practical component), practical work, written tutorials

COMP SCI 6007
Artificial Intelligence

2 units semester 1

2 lectures, 2 hours practical work a week, tutorial/homework exercises every 3 weeks

prerequisite: A Pass in COMP SCI 2004 Data Structures and Algorithms

AI methodology and fundamentals: philosophy of AI, representation techniques, goal reduction. Search techniques: hill-climbing, beam, best-first, A*, game playing techniques with minimax and alpha-beta pruning. Learning: Winston's methods, neural networks. Rule based systems; forward and backward chaining methods. AI systems: ANALOGY, MYCIN, GPS, Xcon. Computer vision, evolutionary algorithms: genetic algorithms, evolution strategies, genetic programming.

assessment: 2 hour exam, practicals, exercises

COMP SCI 6008
Introduction to Software Engineering

2 units semester 2

2 lectures, 2 hours practical work a week; 1 tutorial a fortnight

prerequisite: COMP SCI 1002A/B Computer Science I (Pass Div I), or Pass in COMP SCI 6003 Computer Science Concepts or Pass in both COMP SCI 1000 Engineering Programming IE, ELEC ENG 1004 Logic Design

assumed knowledge: COMP SCI 2004 Data Structures and Algorithms

Design: software design, UML notation, static models - identifying classes and associations, dynamic models - identifying states, events, transitions, use cases, mapping designs into code. Specification: the scope, role and styles of software specification. Testing: modes of testing, organising test suites.

assessment: 2 hour written exam, design and programming exercises

COMP SCI 6009
Advanced Programming Paradigms

2 units semester 2

2 lectures, 2 hours practical work a week, tutorial/homework exercises every 3 weeks

prerequisite: pass in COMP SCI 2004 Data Structures and Algorithms

assumed knowledge: COMP SCI 2001 Programming Paradigms and COMP SCI 3002 Programming Techniques

A selection of topics from the following: advanced functional programming: polymorphic recursive functions; higher-order functions; software prototyping; programming in Scheme

(a dialect of Lisp); streams and networks of processes; lazy and strict evaluation; coroutines in functional and imperative paradigms. Parallelism and concurrency. Object Oriented parallel and concurrent programming in Java. Issues of mutual exclusion and liveness; communication using passing and shared memory, and data parallelism. An introduction to grid computing.

assessment: 2 hour exam, practicals, exercises

COMP SCI 6010
Knowledge Representation

2 units semester 1

2 lectures, 2 hours practical work a week, tutorial/homework exercises every 3 weeks

prerequisite: pass in COMP SCI 2004 Data Structures and Algorithms

Intelligent Agents: agents that reason logically, knowledge acquisition, agents that use statistics, Bayesian networks, Dempster-Shafer theory, fuzzy logic; Expert Systems: rule-based systems, conflict resolution, explanations; Knowledge Representation: frames, predicate logic, inheritance, semantic nets, belief maintenance.

assessment: 2 hour exam, practicals, exercises

COMP SCI 6011
Numerical Analysis

2 units not offered in 2003

2 lectures, 2 hours practical work a week, tutorial/homework exercises every 3 weeks

prerequisite: pass in COMP SCI 2003 Numerical Methods

This course deals with practical numerical computing techniques for solving problems that typically arise in computer applications, science and engineering. The emphasis is on practical methods and the issues that arise from them with reference to the principles for the engineering of numerical software. Students will learn to use the package Matlab which is used extensively in the course. The symbolic package Maple may also be used, but to a lesser extent. Topics include: condition and stability, analysis of algorithms, solution of linear systems of equations, the singular value decomposition in least squares data fitting and image compression, solution of systems of non-linear equations.

assessment: 2 hour exam, practicals, exercises

COMP SCI 6012
Numerical Methods

2 units semester 2

2 lectures, 2 hours of practical work a week; 1 tutorial a fortnight

prerequisite: COMP SCI 1002A/B Computer Science I (Pass Div I), or 7780 Computational Methods I (Pass Div I), or Pass in COMP SCI 6003 Computer Science Concepts; or Pass in both COMP SCI 1000 Engineering Programming IE and ELEC ENG 1004 Logic Design

assumed knowledge: as determined in consultation with the Course Coordinator

Floating point numbers; representation, subtractive cancellation, machine epsilon. Solution of non-linear equations by fixed point iteration methods. Interpolation and least squares, approximation of functions by polynomial and spline functions. Methods of numerical integration: simple and composite rules. Numerical solution of differential equations.

assessment: 2 hour exam, programming exercises

COMP SCI 6013
Open Systems and Client/Server Computing

2 units semester 2

2 lectures, 2 hours practical per week, 1 tutorial per fortnight

prerequisite: Passes in COMP SCI 2000 Computer Systems, COMP SCI 2004 Data Structures and Algorithms

assumed knowledge: COMP SCI 3001 Computer Networks and Applications; exposure to SQL programming such as would be gained from COMP SCI 2002 Database and Information Systems.

A selection of topics from the following: the challenges faced in constructing client/server software: partial system failures, multiple address spaces, absence of a single clock, latency of communication, heterogeneity, absence of a trusted operating system, system management, binding and naming. Techniques for meeting these challenges: RPC and middleware, naming and directory services, distributed transaction processing, 'thin' clients, data replication, cryptographic security, mobile code.

assessment: 2 hour exam; programming exercises

COMP SCI 6014
Operating Systems

2 units semester 2

2 lectures, 2 hours of practical work a week, tutorial/homework exercises every 3 weeks

prerequisite: Passes in COMP SCI 2000 Computer Systems and COMP SCI 2004 Data Structures and Algorithms

OS purposes: resource management and the extended virtual computer; historical development. Processes: critical sections and mutual exclusion, semaphores, monitors, classical problems, deadlock; process scheduling. Input and Output: hardware and software control. Memory management: multi-programming; swapping; virtual memory, paging and symbolic segmentation; File System: operations, implementation, performance. Protection mechanisms: protection domains, access lists, capability systems, principle of minimum privilege. Distributed systems: communication, RPC, synchronisation, distributed file systems, authentication.

assessment: 2 hour exam, practicals, exercises

COMP SCI 6015
Programming Paradigms

2 units semester 2

2 lectures, 2 hours practical work a week,1 tutorial a fortnight

prerequisite: COMP SCI 1002A/B Computer Science I (Pass Div I), or Pass in COMP SCI 6003 Computer Science Concepts, or Pass in both COMP SCI 1000 Engineering Programming IE and ELEC ENG 1004 Logic Design

assumed knowledge: COM P SCI 2004 Data Structures and Algorithms

A study of three major programming approaches: imperative, functional, and logic Imperative paradigms: object binding, procedural abstraction, parameter passing mechanisms, activation record model. Functional paradigms: values, types, higher-order functions, polymorphism, lazy evaluation. Logic paradigms: Prolog, deductive engines, clauses, rules.

assessment: 2 hour exam, programming exercises

COMP SCI 6016
Programming Techniques

2 units semester 1

2 lectures, 2 hours practical work a week

prerequisite: pass in COMP SCI 2004 Data Structures and Algorithms

restriction: cannot be counted with 1006 Programming and Data Structures B

Program development: methods of specification, design, implementations, testing and debugging, case studies, design patterns, Graphs: construction, traversal, topological sorting, application. Sorting and searching: internal and external algorithms, correctness and complexity analysis.

assessment: 2 hour exam, programming exercises

COMP SCI 6018
Systems Analysis and Project

3 units not offered in 2003

2 lectures, 4 hours practical work per week, tutorial/homework exercises every 3 weeks

prerequisite: pass in COMP SCI 2004 Database and Information Systems

restriction: cannot be counted with 1116 Systems Analysis

Systems Analysis concerns designing computer systems that are useful and productive and satisfy the needs of users who are not computer literate. The course covers the following topics: applying psychological principles to the design of user interfaces, menus and dialogs; using discounted cash flow techniques to test whether a project is financially viable; designing databases that best model real world situations; modelling real world events as database transactions and histories; using design methodologies to decompose large systems into simple parts; techniques for making design decisions that optimise system performance.

The course includes a project, which is to build a prototype database and user interface, starting from informal specification by a client.

assessment: 2 hour exam, project, small percentage may be allocated to submission of written tutorials

Graduate Diploma in Mathematical Science

Note: Postgraduate tuition fees apply to this program.

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

2.1 Except as provided for in 2.2 an applicant for admission to the program of study for the Graduate Diploma shall:

(a) have qualified for a degree of the University or for a degree of another institution accepted for the purpose by the University.

(b) have obtained the approval of the Faculty of Engineering, Computer and Mathematical 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 Faculty 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 Academic program

The program of study for the Graduate Diploma in Mathematical Science will consist of courses to the value of at least 20 units chosen from:

(a) Any Level III course listed in the Calendar by the Schools of Applied and Pure Mathematics and Computer Sciences (including Level III courses listed in the Mathematical and Computer Sciences entry by the School of Physics and Mathematical Physics).

(b) Other courses listed in the Calendar for any degree of the University approved for the purpose by the Faculty except that courses chosen under this provision shall:

(i) not comprise more than one third of the requirements for the Graduate Diploma without the explicit approval of the Faculty

(ii) be chosen in consultation with the Schools of Applied and Pure Mathematics and Computer Sciences.

(c) 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 Program Coordinator.

4.5 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.

4.6 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

textbooks

Information on appropriate textbooks will be provided by the relevant school 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 Schools of Applied and Pure Mathematics (ie. 8 units).

The Faculty 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 a degree of Bachelor 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 Program Coordinator 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)

Note: Postgraduate tuition fees apply to this program.

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 the University of Adelaide for the degree of Bachelor of Engineering, Science or Applied Science or holds another academic qualification accepted by the Faculty as being sufficient for the purpose. A person admitted under this sub-Rule will normally be required satisfactorily to complete sufficient work of Honours standard as is deemed necessary by the Faculty in addition to satisfying the requirements of the Master's degree

(b) a person who has qualified in the University of Adelaide for the Honours degree of Bachelor of Science in the School of Mathematical and Computer Sciences or the Honours degree of Bachelor of Engineering or the Honours degree of Bachelor of Science in Mathematical Physics

(c) a person who holds a qualification accepted for the purpose by the University.

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 Faculty. 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 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) on completion of any preliminary work which may be prescribed in the Academic Program Rules and after consultation with the Program Director, submit in writing, for approval by the Faculty, a program of advanced study and project work as prescribed in the 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

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.

5.4 Academic program

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 School 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
(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 School 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 Faculty.

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.

5.5 Graduation

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.

6 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 Academic Program Rules for any particular award.

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 school 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 schools may vary slightly from year to year. Details of which courses will be available each year are obtainable from the Faculty Office.

Master of Computer Science

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 General

A candidate who fulfils the foregoing requirements shall on the recommendation of the Faculty of Engineering, Computer and Mathematical 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 School 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 the University of Adelaide:

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 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 Academic Program Rules

(b) comply with conditions as prescribed in the Academic Program Rules *and*

(c) present a satisfactory written report and seminar on a supervised project on a course approved by the School of Computer Science.

5.2 Academic program

Note: intending students should consult the School 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 School of Computer Science at the Honours or Masters level. Other courses may be included, subject to the approval of the Head of the School. Courses which may be offered by the School of Computer Science are:

COMP SCI 7000 Advanced Database B	2.5
COMP SCI 7004 Advanced Operating Systems A	2.5
COMP SCI 7005 Advanced Artificial Intelligence D	2.5
COMP SCI 7006 Programming Techniques (M.Comp.Sc)	2.5
COMP SCI 7007 Advanced Software Engineering B	2.5
COMP SCI 7008 Advanced Numerical Analysis D	2.5
COMP SCI 7009 Advanced Artificial Intelligence B	2.5
COMP SCI 7010 Advanced Database A	2.5

COMP SCI 7012 Advanced Computer Architecture C	2.5
COMP SCI 7014 Advanced Database D	2.5
COMP SCI 7015 Software Engineering and Project (M.Comp.Sc.)	2.5
COMP SCI 7016 Advanced Artificial Intelligence C	2.5
COMP SCI 7017 Systems Analysis (M.Comp.Sc.)	2.5
COMP SCI 7018 Advanced Programming Languages C	2.5
COMP SCI 7021 Advanced Programming Languages D	2.5
COMP SCI 7022 Advanced Artificial Intelligence A	2.5
COMP SCI 7023 Advanced Software Engineering C	2.5
COMP SCI 7024 Relational Programming	2.5
COMP SCI 7026 Computer Architecture (M.Comp.Sc.)	2.5
COMP SCI 7028 Advanced Computer Architecture B	2.5
COMP SCI 7030 Advanced Numerical Analysis A	2.5
COMP SCI 7031 Advanced Programming Paradigms (M.Comp.Sc.)	2.5
COMP SCI 7033 Advanced Computer Architecture D	2.5
COMP SCI 7034 Advanced Computer Architecture A	2.5
COMP SCI 7035 Advanced Programming Languages B	2.5
COMP SCI 7036 Advanced Software Engineering D	2.5
COMP SCI 7037 Advanced Programming Languages A	2.5
COMP SCI 7039 Computer Networks (M.Comp.Sc	2.5
COMP SCI 7040 Advanced Programming Languages E	2.5
COMP SCI 7041 Compiler Construction and Project (M.Comp.Sc.)	2.5
COMP SCI 7044 Advanced Operating Systems B	2.5
COMP SCI 7045 Advanced Operating Systems D	2.5
COMP SCI 7047 Advanced Database C	2.5
COMP SCI 7048 Advanced Numerical Analysis B	2.5
COMP SCI 7050 Parallel Computation	2.5
COMP SCI 7053 Advanced Operating Systems C	2.5
COMP SCI 7054 Advanced Software Engineering A	2.5
COMP SCI 7055 Numerical Analysis (M.Comp.Sc.)	2.5
COMP SCI 7059 Artificial Intelligence (M.Comp.Sc.)	2.5
COMP SCI 7064 Operating Systems (M.Comp.Sc.)	2.5
COMP SCI 7072 Advanced Numerical Analysis C	2.5

University of South Australia subjects:

COMP SCI 7003 University of South Australia Subject C	2.5
COMP SCI 7032 University of South Australia Subject D	2.5
COMP SCI 7067 University of South Australia Subject E	2.5
COMP SCI 7069 University of South Australia Subject B	2.5
COMP SCI 7070 University of South Australia Subject A	2.5
COMP SCI 7071 University of South Australia Subject F	2.0

Flinders University subjects:

COMP SCI 7002 Flinders University Subject A	2.5
COMP SCI 7046 Flinders University Subject D	2.5
COMP SCI 7051 Flinders University Subject E	2.5
COMP SCI 7057 Flinders University Subject C	2.5
COMP SCI 7068 Flinders University Subject B	2.5
COMP SCI 7073 Flinders University Subject F	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 7011 Master Project B	2.5
COMP SCI 7013 Master Project E	2.5
COMP SCI 7019 Master Project C	2.5
COMP SCI 7025 Master Project D	2.5
COMP SCI 7052 Master Project H	2.5
COMP SCI 7056 Master Project A	2.5
COMP SCI 7060 Master Project F	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.

5.3 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.

5.4 Graduation

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.

6 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 Academic Program Rules for any particular award.

Syllabuses

Prospective students should consult the School early in the year in which the program is being offered to obtain advice as to the content of the program. The field of study of the project can also be determined at that time.

Master of Information Technology

Note: Postgraduate tuition fees apply to this program.

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 the University of Adelaide:

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 Master's 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 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 Academic program

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 Courses 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 Academic Program Rule 5.2 of the Master of Computer Science *and*

(ii) non-project based courses listed in 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 Engineering, and Mathematical and Computer Sciences. Students must have the appropriate prerequisites for the courses selected

(ii) Management courses selected from those offered by the Adelaide Graduate School of Business as approved by the Head of School

(iii) other courses to the value of up to 6 units may be included subject to the approval of the Head of School.

4.2.3 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.

4.2.4 To complete a program of study in a course a candidate shall, unless exempted by the Head of the School 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 school offering the course may prescribe.

4.2.5 Each candidate's program of study must be approved by the Head of School (or nominee) at enrolment each year.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

Prospective students should consult the course coordinator early in the year in which the course is being offered regarding the content of the 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

Note: Postgraduate tuition fees apply to this program.

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 the University of Adelaide for the Honours degree of Bachelor 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 Faculty as equivalent.

(b) a person who has qualified in the the University of Adelaide for the degree of Bachelor of Engineering, Science or Applied Science or holds another academic qualification accepted for the purpose by the Faculty. 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 Faculty. 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 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) 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 school

(b) that there will be adequate contact and interaction between the candidate and the supervising school *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 school 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
PHYSICS 7024 Topics in Mathematical Physics A	2.5
PHYSICS 7025 Topics in Mathematical Physics B	2.5

Pure Mathematics

PURE MTH 7000 Analysis 1	2.5
PURE MTH 7001 Set Theory	2.5
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
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
Statistics	
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
STATS 7017 Statistical Software (Masters)	2.5
STATS 7018 Regression Diagnostics	2.5
STATS 7019 Advanced Inference	2.5
STATS 7020 National Markets Statistics	2.5

(d) other courses offered by the University of Adelaide or other tertiary institutions in South Australia which are accepted by the Faculty as being equivalent to those listed above.

(e) Students may present other relevant courses or work, to the value of at most five units, as may be approved by the Faculty.

5.3.2 The availability of all courses in any year is conditional on there being adequate staffing levels.

5.4 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.

5.5 Graduation

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.

6 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 Academic Program Rules for any particular award.

Syllabuses

Prospective students should consult the Program Coordinator 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)

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 General

A candidate who fulfils the foregoing requirements shall, on the recommendation of the Faculty of Engineering, Computer and Mathematical Sciences, be admitted to the degree of Master of Mathematical Sciences (Signal and Information Processing).

2 Duration of program

A candidate shall:

(a) complete any preliminary work which may be prescribed

(b) 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 the University of Adelaide, 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.

3.4 Status and 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 status for a maximum of 4 units under 5.3.2 of the Academic Program Rules.

4 Assessment and examination

4.1 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.

5 Qualification requirements

5.1 To qualify for the degree a candidate shall:

(a) comply with conditions as prescribed in the Academic Program Rules and

(b) 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 5.3.5, 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..

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:

(i) 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 the University of Adelaide or other tertiary institutions in South Australia as may be approved by the Faculty.

(iii) supervised project work consisting of the course:

MATHS 7008 A/B Mathematical Signal and Information Processing Project	4

Note: Intending students should consult the relevant school 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	2
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)	6

On satisfactory completion of this work the student will proceed to study as outlined in 5.3.1 above.

5.3.5 The Faculty 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 the University of Adelaide, 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 the University of Adelaide or other tertiary institutions in South Australia as may be approved by the Faculty.

5.3.7 The availability of all courses is conditional on there being adequate staffing and resources.

5.4 Graduation

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.

6 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 Academic Program Rules for any particular award.

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 Mathematical and Computer Sciences

Note: Postgraduate tuition fees apply to this program.

Academic Program Rules

1 Duration of program

A candidate may proceed to the degree by full-time study; or, with the approval of the School 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 Faculty of Engineering, Computer and Mathematical Sciences, 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 Mathematical and Computer Sciences: (a) Bachelors of Arts, (b) Bachelors of Science, (c) other graduates whose academic qualifications are accepted by the Faculty as sufficient.

2.2 Provided that, subject to the approval of the Adelaide Graduate Centre 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 the University of Adelaide, by acceptable proof of such standing. Each applicant shall submit an outline of the research work or investigation on which it is intended to submit a thesis. The Faculty, if it approves the subject of this research, may appoint a supervisor to guide the candidate in the work.

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 Faculty be admitted to the degree of Master of Science in Mathematical and Computer Sciences.

3.5 Review of academic progress

A candidate's progress shall be reviewed annually by the Faculty.

4 Qualification requirements

4.1 Academic program

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.

4.2 Courses of study

Courses listed in the Academic Program Rules of Masters degrees in Mathematical Sciences and deemed suitable for the degree by the Faculty.

Notwithstanding the above, the availability of all courses is conditional on the availability of staff and facilities and sufficient enrolments.

4.3 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

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

Doctor of Science in the Faculty of Engineering, Computer and Mathematical Sciences

Academic Program Rules

1 (a) Subject to these academic Program Rules a person who has been admitted in the University of Adelaide to an Honours degree of Bachelor of Science or a degree of Master of Science, Arts or Economics, or to the degree of Doctor of Philosophy in a field of study approved by the Faculty of Engineering, Computer and Mathematical Sciences, may proceed to the degree of Doctor of Science in the Faculty of Engineering, Computer and Mathematical Sciences.

(b) On the recommendation of the Faculty of Engineering, Computer and Mathematical Sciences the Board of Research Education and Development acting with authority wittingly devolved to it by Council may accept as a candidate for the degree a person who has been admitted to a degree in the University of Adelaide other than one named in section (a) of this regulation, or who is a graduate of another university or institution of higher education recognised by the University of Adelaide and has a substantial association with the University; provided that in each case the graduate concerned has, in the opinion of the Faculty, had an adequate training in the mathematical sciences.

(c) No person shall be accepted as a candidate for the degree of Doctor of Science in the Faculty of Engineering, Computer and Mathematical Sciences before the expiration of five years from the date of his/her original graduation.

2 (a) A person who desires to become a candidate for the degree shall give notice of his/her intended candidature in writing to the Manager, Graduate Administration and Scholarships and with such notice shall furnish particulars of his/her achievements in the mathematical sciences and of the work which he/she proposes to submit for the degree.

(b) The Faculty of Engineering, Computer and Mathematical Sciences shall appoint a committee to examine the information submitted and to advise the Faculty on whether the Faculty should

(i) allow the applicant to proceed, and approve the subject or subjects of the work to be submitted

or

(ii) advise the applicant not to submit his/her work: and the Faculty's decision shall be conveyed to the applicant.

(c) If it accepts the candidature and approves the subject or subjects of the work to be submitted the Faculty shall nominate examiners of whom one at least shall be an external examiner.

3 (a) To qualify for the degree the candidate shall furnish satisfactory evidence that he/she has made an original contribution of distinguished merit adding to the knowledge or understanding of any subject with which the Faculty is directly concerned.

(b) The degree shall be awarded primarily on a consideration of such of his/her published works as the candidate may submit for examination.

(c) The candidate in submitting his/her published works shall state generally in a preface and specifically in notes the main sources from which his/her information is derived and the extent to which he/she has availed himself of the work of others, especially where joint publications are concerned. He/she may also signify in general terms the portions of his/her work which he/she claims as original.

(d) The candidate is required to indicate what part, if any, of the work he/she has submitted for a degree in this or any other university.

4 The candidate shall lodge with the Adelaide Graduate Centre three copies of the work prepared in accordance with the directions given in sub-paragraph (b) of clause 2B of Chapter XXV of the Statutes. If the work is accepted for the degree two of the copies will be transmitted to the University Library.

5 A candidate who complies with the foregoing conditions and satisfies the examiners may, on the recommendation of the Faculty of Engineering, Computer and Mathematical Sciences, be admitted to the degree of Doctor of Science in the Faculty of Engineering, Mathematical and Computer Sciences.

6 Notwithstanding anything contained in the preceding rules, the Faculty may recommend the award of the degree to any person who is not a member of the staff of the University. Any such recommendation must be

accompanied by evidence that the person for whom the award is proposed has made an original and substantial contribution of distinguished merit to the knowledge or understanding of a subject with which the Faculty is directly concerned, of a standard not less than required by regulation 3.

For further information please contact the Adelaide Graduate Centre.

Regulations allowed 28 February, 1974.

Amended: 15 Jan. 1976: 6; 4 Feb. 1982: 2, 4; 21 Feb. 1991: 1.

Rule approved and Regulation repealed 18 March 1999.

Faculty of Humanities and Social Sciences

Website: www.arts.adelaide.edu.au

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Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties.

2 Council has delegated the power to specify syllabuses to the Head of each School concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty. The Head of School may approve minor changes to any previously approved syllabus.

Professional Certificate in Applied Anthropology

Academic Program Rules

1 Duration of program

To qualify for the Professional Certificate, a candidate shall satisfactorily complete one semester of part-time study or the equivalent in intensive mode.

2 Admission

2.1 An applicant for admission to the academic program for the Professional 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 accept as a candidate for the Professional Certificate a person who does not satisfy the requirements of Rule 2.1 above but who presents evidence of professional experience appropriate to undertake work for the Professional Certificate.

2.3 Articulation with other awards

2.3.1 Students who complete this academic program are also eligible to apply for entry to the Graduate Certificate in Applied Anthropology and be granted status for the work they have undertaken in the Professional Certificate.

2.3.2 Students who have conferred upon them the award of Professional Certificate in Applied Anthropology who subsequently satisfy the requirements of the Graduate Certificate in Applied Anthropology must surrender their Professional Certificate before being admitted to the higher award.

3 Assessment and examinations

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

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

4 Qualification requirements

4.1 Academic program

To qualify for the Professional Certificate in Applied Anthropology, a candidate shall complete one of the following courses:

ANTH 5002 Anthropological Practice	6
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

4.2 Unacceptable combination 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Professional Certificate in Art History

Academic Program Rules

1. Duration of program

To qualify for the Professional Certificate, a candidate shall satisfactorily complete one semester of part-time study or the equivalent in intensive mode.

2 Admission

2.1 An applicant for admission to the academic program for the Professional 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 accept as a candidate for the Professional Certificate a person who does not satisfy the requirements of Rule 2.1 above but who presents evidence of professional experience appropriate to undertake work for the Professional Certificate.

2.3 Articulation with other awards

2.3.1 Students who complete this academic program are also eligible to apply for entry to the Graduate Certificate in Art History and be granted status for the work they have undertaken in the Professional Certificate.

2.3.2 Students who have conferred upon them the award of Professional Certificate in Art History who subsequently satisfy the requirements of the Graduate Certificate, Graduate Diploma or Master of Arts (Studies in Art History) must surrender their Professional Certificate before being admitted to the higher award.

2.3.3 A candidate for the Graduate Certificate, Graduate Diploma or Master of Arts (Studies in Art History) who does not complete the requirements for the higher award but satisfies the requirements for the Professional Certificate may be admitted to the Professional Certificate.

3 Assessment and examinations

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

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

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

4.1 Academic program

To qualify for the Professional Certificate, a candidate shall satisfactorily complete one course from the program in Art History, as listed below.

ARTH 5200 Studies in European Paintings Connoisseurship	6
ARTH 5201 Studies in Australian Colonial Art	6
ARTH 5202 Studies in Asian Art	6
ARTH 5203 Studies in Australian Art	6
ARTH 5204 Studies in European Art Since the Renaissance	6
ARTH 5208 Studies in Contemporary Art	6
ARTH 5209 Studies in Australian Indigenous Art	6
ARTH 5210 Studies in British Art	6
ARTH 5211 Studies in Decorative Arts	6
ARTH 5212 Studies in Japanese Art	6
ARTH 5213 Studies in South-East Asian Art	6
ARTH 5214 Studies in Modern Art	6

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Arts (Studies in Art History) for syllabus details.

Professional Certificate in Coastal Management

Academic Program Rules

1 Duration of program

To qualify for the Professional Certificate, a candidate shall satisfactorily complete one semester of part-time study or the equivalent in intensive mode.

2 Admission

2.1 An applicant for admission to the academic program for the Professional Certificate in Coastal 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 accept as a candidate for the Professional Certificate a person who does not satisfy the requirements of Rule 2.1 above but who presents evidence of professional experience appropriate to undertake work for the Professional Certificate.

2.3 Articulation with other awards

2.3.1 Students who complete this academic program are also eligible to apply for entry to the Graduate Certificate in Environmental Studies and be granted status for the work they have undertaken in the Professional Certificate.

2.3.2 Students who have conferred upon them the award of Professional Certificate in Coastal Management who subsequently satisfy the requirements of the Graduate Certificate in Environmental Studies must surrender their Professional Certificate before being admitted to the higher award.

3 Assessment and examinations

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

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

4 Qualification requirements

4.1 Academic program

To qualify for the Professional Certificate in Coastal Management, a candidate shall complete the following course:

ENVT 5061 Integrated Coastal Management and Industry Placement	6

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabus

See Master of Environmental Studies for syllabus details

Professional Certificate in Gastronomy

Academic Program Rules

1 Duration of program

To qualify for the Professional Certificate, a candidate shall satisfactorily complete one semester of part-time study or the equivalent in intensive mode.

2 Admission

2.1 An applicant for admission to the academic program for the Professional 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 accept as a candidate for the Professional Certificate a person who does not satisfy the requirements of Rule 2.1 above but who presents evidence of professional experience appropriate to undertake work for the Professional Certificate.

2.3 Articulation with other awards

2.3.1 Students who complete this academic program are also eligible to apply for entry to the Graduate Certificate in Gastronomy and be granted status for the work they have undertaken in the Professional Certificate.

2.3.2 Students who have conferred upon them the award of Professional Certificate in Gastronomy who subsequently satisfy the requirements of the Graduate Certificate, Graduate Diploma or Master of Arts (Gastronomy) must surrender their Professional Certificate before being admitted to the higher award.

2.3.3 A candidate for the Graduate Certificate, Graduate Diploma or Master of Arts (Gastronomy) who does not complete the requirements for the higher award but satisfies the requirements for the Professional Certificate may be admitted to the Professional Certificate.

3 Assessment and examination

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

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

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

To qualify for the Professional Certificate, a candidate shall satisfactorily complete the following course:

GAST 5300 Principles of Gastronomy	6

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Arts (Gastronomy) for syllabus details.

Graduate Certificate in Applied Anthropology

Note: This program will not be offered in 2003.

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 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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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

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

4.1.1 Core Course

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

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Graduate Certificate in Applied Historical Studies

Note: This program will not be offered in 2003.

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 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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

4 Qualification requirements

4.1 Academic program

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

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

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Graduate Certificate in Applied Linguistics

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 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 Linguistics 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 Linguistics 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 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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

4 Qualification requirements

4.1 Academic program

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

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:

LING 5001 Computer Assisted Language Learning - CALL	3
LING 5010 English for Academic Purposes	3
LING 5041 Action Research	3
LING 5103 Directed Study in Linguistics	3

4.1.3 Students may select the other core option as an elective.

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Core course

LING 5009
Language Teaching in Specific Settings

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

LING 5011
Language Teaching Methods

3 units semester 1

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.

Elective courses

LING 5001
Computer Assisted Language Learning - CALL

3 units semester 2

LING 5010
English for Academic Purposes

3 units not offered in 2003

See Master of Arts (Linguistics) for syllabus details.

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

LING 5103
Directed Study in Linguistics

3 units semester 1 or 2

Content to be devised in consultation with the Program Coordinator.

Graduate Certificate in Art History

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, 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 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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete courses to the value of 12 units, chosen from the following:

ARTH 5200 Studies in European Paintings Connoisseurship	6
ARTH 5201 Studies in Australian Colonial Art	6
ARTH 5202 Studies in Asian Art	6
ARTH 5203 Studies in Australian Art	6
ARTH 5204 Studies in European Art Since the Renaissance	6
ARTH 5208 Studies in Contemporary Art	6
ARTH 5209 Studies in Australian Indigenous Art	6
ARTH 5210 Studies in British Art	6
ARTH 5211 Studies in Decorative Arts	6
ARTH 5212 Studies in Japanese Art	6
ARTH 5213 Studies in South-East Asian Art	6
ARTH 5214 Studies in Modern Art	6

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Arts (Studies in Art History) for syllabus details.

Graduate Certificate in Creative Writing

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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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

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

All candidates shall complete

ENGL 5001 Work in Progress	8
ENGL 5002 Creative Writing Study A	4

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Arts (Creative Writing) for syllabus details.

Graduate Certificate in Environmental Studies

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 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 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.

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 Environmental 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 Environmental 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 Environmental 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 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 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

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

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 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 Australian Landscape Evolution	6
ENVT 5042 Environmental History	6
ENVT 5043 Environmental Communication	6
ENVT 5061 Integrated Coastal Management	6
ENVT 5089 Environmental Rehabilitation and Reconstruction	6
GEOG 5047 Resource Management in Asia and the Pacific	6
GEOG 5048 Biodiversity and Environmental Change	6
GEOG 5067 Population and the Environment	6

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Environmental Studies for syllabus details.

Graduate Certificate in Gastronomy

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

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, 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 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) 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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

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

4.1.1 Core courses

All candidates shall complete the following courses:

GAST 5300 Principles of Gastronomy	6
GAST 5301 Food and Drink in Contemporary Western Society	6

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Arts (Gastronomy) for syllabus details.

Graduate Certificate in International 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 only.

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 course of study for the Graduate Certificate in International 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.

2.2 The Faculty may, subject to such conditions as it may see fit to impose in each case, accept as a student for the Graduate Certificate a person who does not hold a degree of a tertiary institution but has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate.

2.3 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.

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 International Environmental Management 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 Environmental Management 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 Environmental Management 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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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

To qualify for the Graduate Certificate in International Environmental Management, a candidate shall satisfactorily complete courses to the value of 12 units chosen from the following:

ENVT 5001NA Environmental Audit	3
ENVT 5010 NA Environmental Impact Assessment	3
ENVT 5013NA Conserving Biodiversity in Fragmented Landscapes	3
ENVT 5014 NA Environmental Management Challenge	3

ENVT 5016 NA Environmental Management Systems	3
ENVT 5019NA Environmental Project Management	3
ENVT 5033NA Policy Building for Sustainable Development	3
ENVT 5035NA Environmental Clean-up Tools	3
ENVT 5038NA Special Study in Environmental Management	3
ENVT 5060NA Global Environmental Futures	3
GISC 5009NA Introductory Spatial Information Systems	3

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Environmental Management for syllabus details.

Graduate Certificate in International Studies

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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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

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

4.1.1 Core course

INST 5000 Approaches and Issues in International Relations	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 A	6
INST 5003 International Studies B	6

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Arts (International Studies) for syllabus details.

Graduate Certificate in Population Studies

Note: This program will not be offered to commencing students in 2003.

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 Migration 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 Population Studies who subsequently satisfy the requirements of the Graduate Diploma in Population and Migration Studies must surrender their Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the Graduate Diploma in Population and Migration 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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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

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

4.1.1 Core course

GEOG 5068 Population Data Analysis	6

4.1.2 Elective courses

Once course from the following:

GEOG 5049 Applied Demography	6
GEOG 5054 Demography of the Family	6
GEOG 5059 Global International Migration	6
GEOG 5089 Population Studies	6

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Arts (Population and Migration Studies) for syllabus details.

Graduate Certificate in Spatial Information Science

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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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

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

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

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Spatial Information Science syllabus details.

Graduate Diploma in Applied Anthropology

Note: This program will not be offered in 2003.

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 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 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 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.

2.4.2 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.

2.4.3 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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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

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

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

4.2 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.course that he or she has already presented for another award.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Graduate Diploma in Applied Historical Studies

Note: This program will not be offered in 2003.

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 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 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 2.1 above, but who 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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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

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

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

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Graduate Diploma in Applied Linguistics

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 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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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 5011 Language Teaching Methods	6
LING 5030 Language and Communication Planning	6
LING 5059 Special Topic in Linguistics	6

4.1.3 Students who have completed the Graduate Certificate in Applied Linguistics shall take courses to the value of 12 units, including LING 5004 Language and Meaning if this course has not previously been taken.

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Arts (Applied Linguistics) for syllabus details.

Graduate Diploma in Art History

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 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, 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 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 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.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Art History and who subsequently satisfies the requirement of 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 (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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, chosen from the following:

ARTH 5200 Studies in European Paintings Connoisseurship	6
ARTH 5201 Studies in Australian Colonial Art	6
ARTH 5202 Studies in Asian Art	6
ARTH 5203 Studies in Australian Art	6
ARTH 5204 Studies in European Art Since the Renaissance	6
ARTH 5208 Studies in Contemporary Art	6
ARTH 5209 Studies in Australian Indigenous Art	6
ARTH 5210 Studies in British Art	6
ARTH 5211 Studies in Decorative Arts	6
ARTH 5212 Studies in Japanese Art	6
ARTH 5213 Studies in South-East Asian Art	6
ARTH 5214 Studies in Modern Art	6

4.1.1 Students may present only one of the Art Museum Internship or the Curatorial Project for the Graduate Diploma.

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Arts (Studies in Art History) for syllabus details.

Graduate Diploma in Creative Writing

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 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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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

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

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

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Arts (Creative Writing) for syllabus details.

Graduate Diploma in Environmental Studies

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 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 The Faculty may, 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 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 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 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.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Environmental 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 Environmental Studies who does not complete the requirements of the degree, but who satisfies the requirement 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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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

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

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 18 units selected from the following:

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 Australian Landscape Evolution	6
ENVT 5042 Environmental History	6
ENVT 5043 Environmental Communication	6
ENVT 5061 Integrated Coastal Management	6
ENVT 5089 Environmental Rehabilitation and Reconstruction	6
GEOG 5047 Resource Management in Asia and the Pacific	6
GEOG 5048 Biodiversity & Environmental Change	6
GEOG 5067 Population and the Environment	6

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Environmental Studies for syllabus details.

Graduate Diploma in Gastronomy

Academic Program Rules

1 Duration of program

To qualify for the Graduate Diploma, 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 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, 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 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 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 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.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Gastronomy 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 (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) 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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

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

4.1.1 Core courses

All candidates shall complete the following core courses:

GAST 5300 Principles of Gastronomy	6
GAST 5301 Food and Drink in Contemporary Western Society	6
GAST 5302 Gastronomy and Communication	6

4.1.2 Elective courses

All candidates shall complete one of the following elective courses:

GAST 5303 Food and Wine Tourism	6
GAST 5304 Food and Wine Technology	6

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Arts (Gastronomy) for syllabus details.

Graduate Diploma in International 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 only.

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 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 Diploma in International 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 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 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 Graduate Diploma in International Environmental Management 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 Environmental Management and who subsequently satisfies the requirements for the Graduate Diploma in International Environmental Management must surrender the Graduate Certificate before being admitted to the Graduate Diploma.

2.4.3 A candidate for the degree of Master of International Environmental Management 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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, chosen from the following:

ENVT 5001NA Environmental Audit	3
ENVT 5010NA Environmental Impact Assessment	3
ENVT 5013NA Conserving Biodiversity in Fragmented Landscapes	3
ENVT 5014NA Environmental Management Challenge	3
ENVT 5016NA Environmental Management Systems	3

ENVT 5019NA Environmental Project Management	3
ENVT 5033NA Policy Building for Sustainable Development	3
ENVT 5035NA Environmental Clean-up Tools	3
ENVT 5038NA Special Study in Environmental Management	3
ENVT 5060NA Global Environmental Futures	3
GISC 5009NA Introductory Spatial Information Systems	3

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of International Environmental Management for syllabus details.

Graduate Diploma in International Studies

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 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 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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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

To qualify for the Graduate Diploma, a candidate shall satisfactorily complete courses to the value of 24 units, chosen from the following:

INST 5000 Approaches and Issues in International Relations	6
INST 5001 International Politics in the Post Cold War World	6
INST 5002 International Studies A	6
INST 5003 International Studies B	6

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Arts (International Studies) for syllabus detail.

Graduate Diploma in Population and Migration Studies

Note: This program will not be offered to commencing students in 2003.

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 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 Diploma in Population and Migration 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 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 Migration Studies who does not complete the requirements for the Graduate Diploma but satisfies the requirements for the Graduate Certificate in Population Studies may be admitted to the Graduate Certificate.

2.4.2 A candidate who has been admitted to the Graduate Certificate in Population and Migration 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 (Population and Migration 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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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

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

4.1.1 Core courses

GEOG 5068 Population Data Analysis	6
GEOG 5089 Population Studies	6

4.1.2 Elective courses

12 units selected from the following:

GEOG 5049 Applied Demography	6
GEOG 5054 Demography of the Family	6
GEOG 5059 Global International Migration	6
GEOG 5067 Population and the Environment	6

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Arts (Population and Migration Studies) for syllabus details.

Graduate Diploma in Spatial Information Science

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 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 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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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

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

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

GISC 5015 Special Topic in Spatial Data Models	3
GISC 5016 Special Topic in Spatial Data Modeling and Analysis	3

Alternative courses may be made available as appropriate, depending on students' previous study or employment history.

Students may also select from elective courses offered in 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.

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Spatial Information Science for syllabus details.

Master of Arts

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 or 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 or 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 School or Schools 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 discipline related to the candidate's proposed field of study.

2.2 Subject to the approval of the Board of Research Education and Development, 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 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 In assessing a person's fitness, the Faculty may require them to complete prescribed preliminary work or complete a 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 school or schools concerned and approved by the Faculty.

3 Assessment and examinations

3.1 The assessment of any program of advanced study, shall be approved by the school or schools 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 shall be proposed by the school or schools 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 School or Schools 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 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.

3.3 The examiners of the thesis or dissertation may recommend that:

(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 subject to the amendments specified by the examiners 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 resubmitted following recommendation 3.3(d) above may recommend only 3.3(a), (b),(c) or (e).

4 Qualification requirements

4.1 Academic program

Every candidate shall satisfactorily complete an approved program of research work on an approved topic, leading to submission of a thesis or dissertation.

4.2 The subject of any thesis or dissertation shall be approved by the School or Schools concerned and by the Faculty.

4.3 Qualifying Work

With permission of the Executive Dean, most schools 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

Master of Arts (Applied Anthropology)

Note: This program will not be offered in 2003.

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 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 a degree of the University, at an appropriate standard, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University *or*

(b) have qualified for the Graduate Diploma in Applied Anthropology with results of 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 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 Executive Dean of the Faculty 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 awards 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.

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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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.

3.4 A candidate shall complete the coursework component of the degree with a credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Academic program

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

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 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Master of Arts (Applied Historical Studies)

Note: This program will not be offered in 2003.

Academic Program Rules

1 Duration of program

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 a degree of the University, at an appropriate standard, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a 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 wishes 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 awards 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.

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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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.

3.4 A candidate shall complete the coursework component of the degree with a credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Academic program

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:

4.1.1 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

or

HIST 5501A/B Research Project in Applied Historical Studies P/T	12

4.2 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the Special Research Project to the Faculty, after it has been passed and accepted for the degree.

4.3 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

Master of Arts (Applied Linguistics)

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:

(a) qualified for a degree of the University, at an appropriate standard, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University *or*

(b) qualified for a Graduate Diploma in Applied Linguistics at a 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 Linguistics (see Rule 2.3 below).

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 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 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 awards as appropriate.

2.4.2 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.

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) 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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.

3.4 A candidate shall complete the coursework component of the degree with a credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Academic program

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

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 5011 Language Teaching Methods	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

4.2 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.

4.3 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

Core course

LING 5004
Language and Meaning

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

6 units 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

6 points not offered in 2003

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 8000-9000 words or equivalent

LING 5009
Language Teaching in Specific Settings

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

6 units not offered in 2003

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 5011
Language Teaching Methods

6 units semester 1

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

LING 5030
Language Communication and Planning

6 units not offered in 2003

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

6 units semester 1 or 2

Content is based on areas of expertise of Distinguished Visiting Scholars

assessment: 4000 word essay; 5 practical exercises or annotated diary of data observation; analysis to a total of 5000 words

Dissertation

LING 5501
Dissertation in Linguistics F/T

12 units semester 1 or 2

LING 5502A/B
Dissertation in Linguistics P/T

12 units full year

Contact hours to be advised

Dissertation of 18000 words

Master of Arts (Creative Writing)

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 School or have qualified for a degree of the University, at an appropriate standard in an approved field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a 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 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 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 awards as appropriate.

2.4.2 A candidate who has been admitted to the 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.

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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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.

3.4 A candidate shall complete the coursework component of the degree with a Credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Academic program

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.

4.1.1 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 5500A/B Creative Writing Dissertation	24

4.2 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.

4.3 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

Core courses

ENGL 5001
Work in Progress

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

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

4 units semester 2

This course advances the work begun in ENGL 5002 Creative Writing Study A.

ENGL 5004
Advanced Work in Progress

8 units semester 2

prerequisite: ENGL 5001 Work in Progress seminar

This course advances the work begun in Work in Progress.

Dissertation

ENGL 5500A/B
Creative Writing Dissertation

24 units full year

Supervision, arranged with program convener

An extended writing project in a single literary genre.

Master of Arts (Gastronomy)

Academic Program Rules

1 Duration of program

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:

(a) have qualified for a degree of the University, at an appropriate standard in an approved field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University *or*

(b) have qualified for the Graduate Diploma in Gastronomy with results of at credit level or higher.

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 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 (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 awards 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.

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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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.

3.4 A candidate shall complete the coursework component of the degree with a credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Academic program

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

4.1.1 Core courses

All candidates shall complete the following core courses:

GAST 5300 Principles of Gastronomy	6
GAST 5301 Food and Drink in Contemporary Western Society	6
GAST 5302 Gastronomy and Communication	6

4.1.2 Elective courses

All candidates shall complete one of the following elective courses:

GAST 5303 Gastronomic Tourism	6
GAST 5304 Food and Wine Technology	6

4.1.3 Dissertation/Research Projects

All candidates shall complete either the full-time or the part-time version of the dissertation:

GAST 5530 Dissertation in Gastronomy F/T	12
GAST 5531A/B Dissertation in Gastronomy P/T	12

or

two research projects to a total of 12 units:

GAST 5532 Research Project in Gastronomy A	6
GAST 5533 Research Project in Gastronomy B	6

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

Core courses

GAST 5300
Principles of Gastronomy

6 units semester 1

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.

GAST 5301
Food & Drink in Contemporary Western Society

6 units semester 1

prerequisite: GAST 5300 Principles of Gastronomy

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.

GAST 5302
Gastronomy and Communication

6 units semester 2

prerequisite: GAST 5303 Food and Wine Tourism or GAST 5304 Food and Wine Technology

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

GAST 5303
Gastronomic Tourism

6 units semester 2

prerequisite: GAST 5301 Food and Drink in Contemporary Western Society

This course will be taught jointly with staff from the School of Agriculture and Wine at the Waite. Additional input by tourism professionals and industry experts may be included. The course focuses on the role of food and drink in enhancing the experiences of travellers and tourists. It examines major themes in tourism literature and their relevance to the study of gastronomic tourism, and considers examples of best practice at destinations where food and wine enable tourists to explore aspects of culture. It also examines the direct and indirect advantages and disadvantages to local and regional communities associated with the development of tourism and with gastronomic tourism initiatives in particular.

GAST 5304
Food & Wine Technology

6 units semester 2

prerequisite: GAST 5301 Food and Drink in Contemporary Western Society

Students will be provided with an overview of traditional and current food wine processing operations and techniques together with methodologies and analytical tools for evaluating and communicating them. This may include some visits to appropriate sites and input from Le Cordon Bleu, placing these technologies in their contemporary context.

Dissertation/research projects

GAST 5530
Dissertation in Gastronomy F/T

12 units semester 1 or 2

GAST 5531A/B
Dissertation in Gastronomy P/T

12 units full year

An enrolment in the dissertation will commence with a one week residential induction program

A 15000 - 18000 word dissertation on a topic to be developed in consultation with the Program Manager.

GAST 5532
Research Project in Gastronomy A

GAST 5533
Research Project in Gastronomy B

6 units semester 1 or 2

A research project of 8000 - 9000 words (or equivalent depending upon the nature of the project) in an area approved by the Program Manager. Each research project should cover a different field.

Master of Arts (International Studies)

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 (International Studies) shall:

(a) have qualified for a degree of the University, at an appropriate standard, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University *or*

(b) have qualified for the Graduate Diploma in International 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 International Studies (see Rule 2.4 below).

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 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 awards 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.

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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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.

3.4 A candidate shall complete the coursework component of the degree with a credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Academic program

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.

4.1.1 Core courses

All candidates shall complete the following:

INST 5000 Approaches and Issues in International Relations	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 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

4.2 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

4.3 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

Core courses

INST 5000
Approaches and Issues in International Relations

6 units semester 1

A broad meaning of the terrorist attacks on the USA on 11 September 2001 is that the tragedy highlighted the profile and influence of non-state actors and their transnational networks in world politics during the post-Cold War era. This impression was again reinforced by the numerous aid organisations such as Medicins sans Frontieres which rushed to the Afghanistan-Pakistan border to care for the flood of refugees anticipating a US attack. Expanding transnational activism by non-state actors has challenged the top-down or state-centric perspectives of world order, sovereignty, security, justice and citizenship. This course examines transnational social movements and their implications for the reshaping of world politics in recent years.

assessment: essay, seminar presentation to a total of 8000 words

INST 5001
International Politics in the Post Cold War World

6 units semester 2

The notions of leadership and power have been important sources of debate since the end of the Cold War, and most notably in the Asia-Pacific region. Questions of succession, the role of the state in generating economic growth and social stability and the possibility of divining an 'Asian model' that other states could emulate have all figured prominently in shaping stimulating perspectives on the conduct of politics and nation-building. This course examines the foundations of power and the nature of Asian leadership in the region, focussing on the ideologies, forms of political organisation and the rationales for rule.

assessment: essay, seminar presentation to a total of 8000 words

INST 5002
International Studies A

INST 5003
International Studies B

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, seminar presentation to a total of 8000 words

Dissertation

INST 5500
Dissertation in International Studies F/T

12 units semester 1 or 2

Dissertation on an International Studies topic approved by the Convenor of International Studies.

assessment: dissertation of 15000 words

INST 5501A/B
Dissertation in International Studies P/T

12 units full year

Dissertation on an International Studies topic approved by the Convenor of International Studies.

Master of Arts (Population and Migration Studies)

Note: This program will not be offered to commencing students in 2003.

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 Migration Studies) shall:

(a) have qualified for a degree of the University, at an appropriate standard, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University *or*

(b) have qualified for a Graduate Diploma in Population and Migration Studies at a 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 the 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 Population and Migration Studies (see Rule 2.4 below).

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 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 (Population and Migration 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 awards as appropriate.

2.4.2 A candidate who has been admitted to the Graduate Diploma in Population and Migration Studies and who subsequently satisfies the requirements for the Master of Arts (Population and Migration Studies) must surrender the 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 Master of Arts (Population and Migration Studies): 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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.

3.4 A candidate shall complete the coursework component of the degree with a Credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Academic program

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

4.1.1 Core courses

All candidates shall complete the following courses:

GEOG 5068 Population Data Analysis	6
GEOG 5089 Population Studies	6

4.1.2 Elective courses

All candidates shall complete elective courses to the value of 12 units selected from the following:

GEOG 5049 Applied Demography	6
GEOG 5054 Demography of the Family	6
GEOG 5059 Global International Migration	6
GEOG 5067 Population and the Environment	6

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 in Population and Migration Studies F/T	12

or

GEOG 5501A/B Research Project in Population and Migration Studies P/T	12

4.2 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

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Core courses

GEOG 5068
Population Data Analysis

6 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

6 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

6 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 5054
Demography of the Family

6 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 5059
Global International Migration

6 units semester 1 or 2

This course introduces students to the study of population movement between countries from the perspective of population sciences. International migration has grown in political, demographic, economic and social significance with globalisation, and the present course introduces students to the information available on this movement and the networks used to collect and analyse it. The course examines changing patterns and types of migration, the causes and effects of those movements and addresses policy developments in international migration. The course is a global one but particular attention is focussed on the Asia-Pacific region and Australia.

GEOG 5067
Population and the Environment

6 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

Research project

GEOG 5500
Research Project in Population and Migration Studies F/T

12 units semester 1 or 2

GEOG 5501A/B
Research Project in Population and Migration Studies P/T

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 Migration Studies. 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)

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 a degree of the University, at an appropriate standard in an approved field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University *or*

(b) have qualified for the Graduate Diploma in Art History with results of 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 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 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 (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 awards 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.

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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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.

3.4 A candidate shall complete the coursework component of the degree with a Credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Academic Program requirements

4.1 Academic program

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, chosen from the following:

ARTH 5200 Studies in European Paintings Connoisseurship	6
ARTH 5201 Studies in Australian Colonial Art	6
ARTH 5202 Studies in Asian Art	6
ARTH 5203 Studies in Australian Art	6

ARTH 5204 Studies in European Art Since the Renaissance	6
ARTH 5206 Art Museum Internship	6
ARTH 5207 Curatorial Placement	6
ARTH 5208 Studies in Contemporary Art	6
ARTH 5209 Studies in Australian Indigenous Art	6
ARTH 5210 Studies in British Art	6
ARTH 5211 Studies in Decorative Arts	6
ARTH 5212 Studies in Japanese Art	6
ARTH 5213 Studies in South East Asian Art	6
ARTH 5214 Studies in Modern Art	6

4.1.2 Students may present only one of the Art Museum Internship or 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:

ARTH 5520 Research Project in Art History F/T	12
ARTH 5521A/B Research Project in Art History P/T	12

4.3 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.

4.4 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.

4.5 Graduation

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.

5 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 Academic Program Rules for any particular award.

ARTH 5200
Studies in European Paintings Connoisseurship

6 units not offered in 2003

30 hours made up of Art Gallery sessions, lectures and tutorials

This course will look critically at 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 Wvlfflin, Max J. Friedlander, Bernard Berenson, Alois Riegl and Richard Offner. Students will be encouraged to exercise their own eye on as many original works of art as possible from the collection of the Art Gallery of South Australia.

ARTH 5201
Studies in Australian Colonial Art

6 units not offered in 2003

30 hours made up of Art Gallery sessions, lectures and tutorials

The course will focus on 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, Eugene von Guerard, William Strutt, Alexander Schramm, S.T. Gill, Martha Berkeley and others. Some attention will also be paid to the decorative arts of Colonial Australia, and to the early practice of photography and to Indigenous art. Recent exciting research of colonial art will inform analysis and interpretation of art of the era.

ARTH 5202
Studies in Asian Art

6 units not offered in 2003

30 hours made up of Art Gallery sessions, lectures and tutorials

A selective survey of 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; 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.

ARTH 5203
Studies in Australian Art

6 units semester 1

30 hours made up of Art Gallery sessions, lectures and tutorials

The course focuses around the large collection of Australian art at the Art Gallery of South Australia. Discussion and analysis of the art will be in terms of the principal issues underpinning Australian art and recent re-readings of particular works. Topics to be explored include colonial art, later nineteenth-century nationalist and Federation art, the rise of modernism particularly among women artists, abstraction, minimalism, conceptualism, the emergence of Central and Western Desert painting and trends in contemporary Australian art.

ARTH 5204
Studies in European Art since the Renaissance

6 units semester 1

30 hours made up of Art Gallery sessions, lectures and tutorials

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.

ARTH 5206
Art Museum Internship

6 units semester 1 or 2

quota may apply

prerequisite: satisfactory completion of three courses for the Graduate Diploma

Interns will be exposed to a broad experience of the life of the Art Gallery of South Australia, or some other appropriate museum or organisation, 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. The exact program will depend upon the time of year and the specific needs and commitments of the participating staff.

ARTH 5207
Curatorial Placement

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 Gallery 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.

ARTH 5208
Studies in Contemporary Art

6 units mid-year

30 hours made up of Art Gallery sessions, lectures and tutorials

The course looks at contemporary art as 'cutting edge' art, how its origins are to be found in modernist notions of the avant garde and on recent national and international developments including installation, new media, performance art, the resilience of painting and the place of Indigenous art in the contemporary scene. The course will focus around contemporary work in the collection of the Art Gallery of South Australia.

ARTH 5209
Studies in Australian Indigenous Art

6 units semester 2

30 hours made up of Art Gallery sessions, lectures and tutorials

The course explores the vast diversity of historical and contemporary Indigenous art practice, with a focus on several painting traditions including bark painting from various parts of Arnhem Land and the Kimberley, Central and Western Desert dot painting, and watercolours from Hermannsburg in Central Australia. Other aspects covered include Indigenous decorated and woven objects and contemporary urban Aboriginal prints and photographs. The course draws heavily on the comprehensive Indigenous collection of the Art Gallery of South Australia. Key anthropological, ethnographic and philosophical issues arising from the collecting and display of Indigenous art and objects in museums and galleries are also discussed.

ARTH 5210
Studies in British Art

6 units not offered in 2003

30 hours made up of Art Gallery sessions, lectures and tutorials

This course focuses on the art of England, Scotland, Wales, Ireland and other parts of the British Isles from the reign of Henry VIII 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.

ARTH 5211
Studies in Decorative Art

6 units not offered in 2003

30 hours made up of Art Gallery sessions, lectures and tutorials

This course will focus on selected developments in British and Australian decorative arts. The implications of the term 'decorative' will be considered 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.

ARTH 5212
Studies in Japanese Art

6 units mid-year

30 hours made up of Art Gallery sessions, lectures and tutorials

The course encompasses the history of Japanese Art and a study of its distinctive culture and aesthetics. It focuses around works in the collection of the Art Gallery of South Australia, including major works of sculpture, screen painting, wood-block prints, ceramics and metalwork including Shinto and Buddhist sculptures, ukiyo-e prints by Hiroshige, Hokusai and others, sword mounts of the Samurai and ceramics by Shoji Hamada and his circle. Attention will also be focused on issues surrounding the intersection between Japanese and Western Art and trends in modern contemporary Japanese art.

ARTH 5213
Studies in South East Asian Art

6 units not offered in 2003

30 hours made up of Art Gallery sessions, lectures and tutorials

This course looks at Southeast Asian Ceramics and Textiles in particular and focuses on the unique holdings of the Art Gallery of South Australia in this specialist area. 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. The study in textiles will concentrate mainly on Indonesian cloths in the Gallery's collection, focusing especially on the migration of motifs, the development of techniques such as single and double ikat work and batik.

ARTH 5214
Studies in Modern Art

6 units

This course focuses on the origins of modern art in Paris and London, the meaning of 'modern' art and on the main modern art movements of the twentieth century including dadaism and surrealism, cubism, expressionism, futurism, constructivism,

abstraction, abstract expressionism and the moments of decline in modern art: minimalism and conceptualism. Attention will also focus on the shift from Paris to New York as the cultural centre and how modern art was taken up in Australia. Much of the course will be shaped around works in the collection of the Art Gallery of South Australia.

Dissertation/research project

ARTH 5520
Research Project in Art History F/T

12 units semester 1 or 2

ARTH 5521A/B
Research Project in Art History P/T

12 units full year

The dissertation must be up to 20,000 words in length, or equivalent. It can be a thesis by research or a project. A project might take the form of working to a brief negotiated jointly with the program coordinator and the Gallery. For example, it might comprise the work required to mount an exhibition, prepare a catalogue, feature a particular part of the collection or research work in the Art Gallery's collection. Depending on the proposed area of interest, one or two supervisors may be allocated to supervise the dissertation (by thesis or project) and they may be from the University, the Gallery or both. There may be instances where an outside supervisor is coopted.

assessment: dissertation/report up to 20,000 words or equivalent.

Master of Environmental Studies

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 Master of Environmental Studies degree must have:

(a) qualified for a degree from the University, at an appropriate standard in the field of Environmental Studies or other appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University

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 wishes 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 awards as appropriate.

2.4.2 A candidate who has been admitted to the 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.

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 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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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.

3.4 A candidate shall complete the coursework component of the degree with a credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Program of study

To qualify for for the degree of Master of Environmental Studies candidates shall complete a program of study to a total of 36 units as follows:

4.1.1 Core course

ENVT 5036 Principles of Environmental Studies	6

4.1.2 Elective courses

All candidates shall complete elective courses to the value of 18 units selected from the following:

ENVT 5012 Environmental Information Systems	6
ENVT 5013 Conserving Biodiversity in Fragmented Landscapes	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 Australian Landscape Evolution	6
ENVT 5042 Environmental History	6
ENVT 5043 Environmental Communication	6
ENVT 5061 Integrated Coastal Management	6
GEOG 5047 Resource Management in Asia and the Pacific	6
GEOG 5048 Biodiversity & Environmental Change	6
GEOG 5067 Population and the Environment	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

4.2 To be eligible to have the degree conferred, candidates are required to provide three bound copies of the dissertation to the Department, after the dissertation has been passed and accepted for the degree.

4.3 Unacceptable combination of courses

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 Graduation

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.

5 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 Academic Program Rules for any particular award.

Core course

ENVT 5036
Principles of Environmental Studies

6 units semester 1

The 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. Through the examination of a variety of approaches, the course will consider the historical, political, scientific, philosophical and social science perspectives on Environmental Studies. These provide a variety of methods that aid us in identifying the causes and consequences of environmental concerns, the way environmental studies informs 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 studying the elective courses offered for the postgraduate coursework awards in Environmental Studies and for conducting research in Environmental Studies at the postgraduate level.

Elective courses

ENVT 5012
Environmental Information Systems

6 units semester 1

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 SIS, data analysis, environmental modeling and data integration

assessment: written work totaling approx 9000 words, including seminar presentations/exercises, essays/reports 60%, exam 40%

ENVT 5013
Conserving Biodiversity in Fragmented Landscapes

6 units semester 1 or 2

The fundamentals of conservation biology are studied with a focus firstly on local conservation issues in the context of urban biodiversity and secondly on global conservation principles and issues. Problems, issues and solutions relating to the conservation of biodiversity and the greening of the built environment in urban landscapes and the restoration and rehabilitation of fragmented rural landscapes are examined. These issues involve government, business/industry and community responsibility for improving environmental quality. The ecological principles underpinning the management of global biodiversity resources are reviewed and management is seen to depend on both the scientific assessment of the worth of the natural asset and value judgements as to its worth relative to other resources. These values are considered within disciplinary and cultural contexts.

ENVT 5018
Environmental Impact Assessment

6 units not offered in 2003

3 hour seminar

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 totaling approx 9000 words, including workshops presentations/ exercises, essays/reports

ENVT 5025
Environmental Professional Internship

6 units semester 1 or 2

1 hour seminar and 3 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

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 totaling approx 9000 words, including seminar presentations/ exercises, essays/reports

ENVT 5037
Special Topic in Environmental Studies

6 units semester 1 or 2

3 hour class each week

A number of topics are available each year. Details of these topics are given in the Course Handbook.

assessment: written work totaling approx 8000-9000 words, including seminar presentations/exercises and essays/reports and an examination in the case of some topics.

ENVT 5040
Australian Landscape Evolution

6 units semester 2

3 hour seminar

This course deals primarily with the evolution of the Australian landscape during the last hundred million years, including the changes effected since the first humans arrived on this continent some fifty thousand years ago. We first consider how the Australian landscape has responded to a variety of tectonic, volcanic and climatic influences. We next consider some of the interactions between Australian prehistoric human societies and the ever-changing environment of which they were an integral part. The contentious issue of plant and animal extinctions in Australia is examined in some detail. We conclude with a careful examination of the impact of the last two hundred years of human settlement upon the landscape, and the implications this might have for soil and water management.

assessment: written work totaling approx 9000 words, including seminar presentations/exercises, essays/reports 60%, exam 40%

ENVT 5042
Environmental History

6 units semester 2

3 hour seminar

Environmental history examines the interactions between people and natural environments in the past as they relate to the landscapes and environmental issues of the present. It explores the changing ways in which societies perceive, value, use and alter the landscapes in which they operate. Environmental history is integrative and multidisciplinary in approach, drawing on and overlapping with many areas of the social sciences, humanities and sciences. This course is a study of Australian environmental history, with a focus on the period since European occupation of the continent. It explores a range of topics that have both historical and contemporary interest in understanding how our landscapes and environmental problems have been shaped and defined by the complex processes of European settlement. Such topics may include: selected environmental histories of agriculture, forestry, mining, local areas and introduced species; the development of national parks and environmental protection; changing perceptions and representations of Australian landscapes; and changing attitudes towards landscape processes, such as fire or climate. The course will also reflect on the development of the field of environmental history, examine how its approaches differ from other forms of enquiry, and explore the opportunities and problems associated with researching and writing environmental history.

assessment: written work totaling approx 9000 words, including seminar presentations and essays/reports.

ENVT 5043
Environmental Communication

6 units semester 1

3 hour seminar and 1 week of fieldwork

This course is intended to prepare students to work with a variety of media to inform the public about the environment and environmental issues. The course has three components:

Introduction to Environmental Communication - this component will introduce student to the main traditions in environmental writing and examine the ways these traditions are expressed in environmental interpretation, environmental exhibits and environments on the screen.

Environments in the Field - this component will involve field-based experience of documenting environmental sights and sounds, including plant and animal observation; landscape description; field note-taking; field sketching, photography and filming; sound recording in the field; field safety and ethical field procedure.

Environmental Communication Project - this component will require students to work with a government, industry/business or community organisation to complete an environmental communication project.

assessment: written work totaling approx 9000 words, including seminar presentations and reports.

ENVT 5061
Integrated Coastal Management

6 units semester 2

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 totaling approx 9000 words, including seminar presentations/exercises, essays/reports 60%, exam 40%

GEOG 5047
Resource Management in Asia and the Pacific

6 units semester 1

3 hour seminar

The course is an enquiry into the formulation and implementation of resource management strategies and environmental policy in the Asia-Pacific region. A core activity is to examine the meanings and measurement of the concept of sustainable development, and to consider how "resources" are valued and devalued. Following discussion of the 'population/environment' debate, we proceed to a critical analysis of government policies generated to manage a variety of resources. These include forests and parks, fisheries, minerals and water, urban air quality and open space. The approach is dynamic and comparative. The focus is on the nature of the resource itself, the actors and stakeholders and the political, social and economic forces that drive behaviour. Management strategies are also examined at varying scales, from a local or community-based system through regional to global. Selected case studies explore various situations: the integrated catchment management of an international river basin; the handling of transboundary pollutants; local populations as resource custodians; the role of non-government organisations; centralised versus decentralised approaches. The goal is to identify policy generation that will both increase human welfare and sustain the resource base. Participants engage in discussion, debates, role-playing and Internet searches and undertake writing assignments in policy-building.

assessment: written work totaling approx 9000 words, including seminar presentations/ exercises, essays/reports

GEOG 5048
Biodiversity and Environmental Change

6 units not offered in 2003

3 hour seminar

This course has two parts. Firstly, the palaeoecological record from Southern Australia will be examined to reveal evidence for the responses of biota to environmental. In most instances the evidence presented in the literature is irrefutable. However, many sites have conflicting interpretations and reversed radiocarbon dates. The interpretation of a palaeoecological record is thus often the generation of the most likely scenario. Many of these are based on assumptions that, over time, become accepted knowledge, despite never having been tested.

Armed with the long term perspective we then examine the ecological principles underpinning the management of biodiversity resources today in Australia and elsewhere. These principles are mostly scientific, yet considerable debate may arise in their interpretation. The management of biological resources may be incompatible, or even in conflict, with the management of other resources. The monetary return for the exploitation of biodiversity resources is often given priority, by government, over less tangible values. Also, many important principles held dear by ecologists and environmentalists in Australia are not shared by others. Therefore, the management of biological resources involves both the scientific assessment of the worth of the natural asset and value judgments as to its worth relative to other resources.

assessment: two essays totaling approx 9000 words

GEOG 5067
Population and the Environment

6 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

Dissertation/project

ENVT 5503
Environmental Research Methodology and Project F/T

12 units semester 1 or 2

ENVT 5504A/B
Environmental Research Methodology and Project P/T

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 seminars, submit a satisfactory proposal for an environmental research project and a satisfactory research plan early in the course, provide a satisfactory account of progress made in the research project midway through the course, and submit a satisfactory dissertation on the methodology and results of the research project by the end of the course.

assessment: dissertation of 15000-20000 words

Master of International 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 only.

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 International Environmental Management shall:

(a) have qualified for a degree of the University, at an appropriate standard, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University

(b) have qualified for the Graduate Diploma in International Environmental Management 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 International 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 International Environmental Management 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 awards as appropriate.

2.4.2 A candidate who has been admitted to the Graduate Diploma in International Environmental Management and who subsequently satisfies the requirements for the Master of International Environmental Management 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.

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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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.

3.4 A candidate shall complete the coursework component of the degree with a credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Academic program

To qualify for the degree, a candidate shall satisfactorily complete courses to the value of 36 units, chosen from the following:

4.1.1 Coursework

All candidates shall complete 24 units from the following:

ENVT 5001NA Environmental Audit	3
ENVT 5010NA Environmental Impact Assessment	3
ENVT 5013NA Conserving Biodiversity in Fragmented Landscapes	3
ENVT 5014NA Environmental Management Challenge	3
ENVT 5016NA Environmental Management Systems	3
ENVT 5019NA Environmental Project Management	3
ENVT 5033NA Policy Building for Sustainable Development	3
ENVT 5035NA Environmental Clean-up Tools	3
ENVT 5038NA Special Study in Environmental Management	3
ENVT 5060NA Global Environmental Futures	3
GISC 5009NA 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 5500NA Dissertation in Environmental Management F/T	12
ENVT 5502NA A/B Dissertation in Environmental Management P/T	12

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

ENVT 5001NA
Environmental Audit

3 units

prerequisite: 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 5010NA
Environmental Impact Assessment (Int)

3 units

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 though 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 5013NA
Conserving Biodiversity in Fragmented Landscapes

3 units

The fundamentals of conservation biology are studied with a focus firstly on local conservation issues in the context of urban biodiversity and secondly on global conservation principles and issues. Problems, issues and solutions relating to the conservation of biodiversity and the greening of the built environment in urban and the restoration and rehabilitation of fragmented rural landscapes are examined. These issues involve government, business/industry and community responsibility for improving environmental quality. The ecological principles underpinning the management of global biodiversity resources are reviewed and management is seen to depend on both the scientific assessment of the worth of the natural asset and value judgements as to its worth relative to other resources. These values are considered within disciplinary and cultural contexts.

ENVT 5014NA
Environmental Management Challenge

3 units

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 5016NA
Environmental Management Systems

3 units

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 5019NA
Environmental Project Management

3 units

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 5033NA
Policy Building for Sustainable Development

3 units

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 5035NA
Environmental Clean-Up Tools

3 units

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 5038NA
Special Study in Environmental Management

3 units

This course will be subject to the availability of specialist teaching in fields other than those listed above.

ENVT 5060NA
Global Environmental Futures

3 units

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. This is not a course based on 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 5009NA
Introduction to Spatial Information Systems

3 units

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%

Dissertation

ENVT 5500NA
Dissertation in Environmental Management F/T

12 units semester 1 or 2

ENVT 5502NA A/B
Dissertation in Environmental Management P/T

12 units full year

15000-18000 word dissertation

Master of Spatial Information Science

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 Master of Spatial Information Science degree must have:

(a) qualified for a degree from the University at at an appropriate standard in an approved field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent to a degree of the University *or*

(b) completed the Graduate Diploma in Spatial Information Science 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 wishes 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 awards 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 Spatial Information Science 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.

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 to be assessed by examination or otherwise shall be deemed to have failed the course.

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.

3.4 A candidate shall complete the coursework component of the degree with a credit average, before proceeding to the research component of the degree. A candidate who is not eligible to undertake the research component, but has satisfied the requirements for the Graduate Certificate or Graduate Diploma may be admitted to one or other of those awards as appropriate.

4 Qualification requirements

4.1 Academic program

To qualify for for the degree of Master of Spatial Information Science candidates shall complete a program of study to a total of 36 units as follows.

4.1.1 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
GISC 5015 Special Topic in Spatial Data Models	3
GISC 5016 Special Topic in Spatial Data Modeling and Analysis	3

Alternative courses may be made available as appropriate, depending on students' previous study or employment history.

Students may also select from elective courses offered in 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

4.2 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.

4.3 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

Core courses

GISC 5008
Introduction to Spatial Data Models

3 units semester 1 (intensive mode)

15 hours lectures, 20 hours practicals

prerequisite: 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

3 units semester 1 (intensive mode)

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 5011
Research Project in Spatial Information Science

6 units semester 1 or 2

10 hours workshops

The Research Project in Spatial Information Science provides students with the opportunity to investigate, for one semester half time, a specific application of spatial information science. The Research Project offers students research experience and an opportunity to delve more deeply into a research area of their choice. 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 5013
Spatial Data Modelling and Analysis

3 units semester 1 (intensive mode)

15 hours lectures, 20 hours practicals

The course will be taught at the Waite Campus

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

3 units semester 1 (intensive mode)

15 hours lectures, 20 hours practicals

prerequisite: Introduction to Spatial Information Systems; Introduction to Spatial Data Models

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 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%

Elective courses

GISC 5001
Advanced Raster Analysis

3 units mid-year (intensive mode)

15 hours lectures, 20 hours practicals

prerequisite: Introduction to Spatial Information Systems; Spatial Data Modelling and Analysis

This unit carries on form 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 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

3 units not offered in 2003

40 hours fieldwork

prerequisite: Introduction to Spatial Information Systems; Spatial Data Modelling and Analysis

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 Info Systems

3 units not offered in 2003

15 hours lectures, 20 hours practicals

prerequisite: Introduction to Spatial Information Systems; Spatial Data Modelling and Analysis

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%

GISC 5012
Social Applications in Geographical Info Systems

3 units semester 2 (intensive mode)

15 hours lectures, 20 hours practicals

prerequisite: Introduction to Spatial Information Systems

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%

Research project

GISC 5501
Dissertation in Spatial Information Science F/T

12 units semester 1 or 2

GISC 5502A/B
Dissertation Spatial Information Science P/T

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%

Doctor of Letters

Academic Program Rules

1 (a) The Faculty of Humanities and Social Sciences may accept as a candidate for the degree of Doctor of Letters a person who has qualified for any degree in the University of Adelaide.

(b) On the recommendation of the Faculty of Humanities and Social Sciences, the Board of Research Education and Development may accept as a candidate for the degree a person who

(i) has obtained in another university or tertiary institution a qualification accepted for the purpose by the University as equivalent to a degree of the University *and*

(ii) has, or has had, a substantial association with the University.

(c) No person may be admitted to the degree of Doctor of Letters until five years after the date on which he or she obtained the qualification prescribed in (a) or (b)(i) above.

2 (a) A person who desires to become a candidate for the degree shall give notice of the intended candidature in writing to the Manager, Graduate Administration and Scholarships and provide details of his or her scholarly achievements and of the work which he or she proposes to submit for the degree.

(b) The Faculty of Humanities and Social Sciences shall examine the information submitted and decide whether or not to allow the applicant to proceed.

(c) If the Faculty accepts the candidature it shall nominate examiners, at least two of whom shall be external examiners.

3 (a) To qualify for the degree the candidate shall provide satisfactory evidence that he or she has made an original and substantial contribution of distinguished merit to the knowledge or understanding of any discipline with which the Faculty is directly concerned.

(b) The degree shall be awarded primarily on consideration of his or her published works as a candidate submitted for examination, but the examiners may take into account any unpublished original work that he or she may submit in support of his or her candidature.

(c) The candidate in submitting his or her work shall, where applicable, state generally in a preface and specifically in notes the main sources from which his or her information is derived and the extent to which he or she has availed him or herself of the work of others, especially where joint publications are concerned. He or she may also signify in general terms the portions of his or her work which he or she claims as original.

(d) The candidate shall indicate what part, if any, of his or her works has already been submitted for a degree in this or any other university.

4 The candidate shall lodge with the Adelaide Graduate Centre three copies of the works submitted for the degree, any unpublished work being prepared in accordance with the directions given in sub-paragraph (b) of clause 2B of Chapter XXV of the Statutes. If the work is accepted for the degree two of the copies will be transmitted to the University Library.

5 A candidate who complies with the conditions of the award and satisfies the examiners may, on the recommendation of the Faculty of Humanities and Social Sciences, be admitted to the degree of Doctor of Letters.

6 Notwithstanding anything contained in the preceding rules, the Faculty may recommend the award of the degree to any person who is not a member of the staff of the University. Any such recommendation must be accompanied by evidence that the person for whom the award is proposed has made an original and substantial contribution of distinguished merit to the knowledge or understanding of a discipline with which the Faculty is directly concerned, of a standard not less than that required by regulation 3.

For further information please contact the Adelaide Graduate Centre.

Regulations allowed 16 December, 1971.

Amended 15 January, 1976: 6. 21 Feb. 1991: 1(b).

Rule approved and Regulation repealed 18 March 1999.

School of Law

Website: www.law.adelaide.edu.au

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2 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 Comparative Laws

A Master of Comparative Laws degree is conducted jointly by the Schools of Law at the University of Adelaide and the University of Mannheim, Germany. Enrolment is available at either University. The title of the degree for students enrolled at the University of Adelaide is 'Master of Comparative Laws (Adelaide/Mannheim)' and for students enrolled at the University of Mannheim 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.

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.)

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 a degree of Bachelor of Laws with Honours of the University of Adelaide

(b) a degree of Bachelor of Laws of the University of Adelaide which the School judges to have been attained at above-average standard

(c) an degree of Bachelor of Laws of the University of Adelaide and who has substantial professional experience or other relevant qualifications *or*

(d) a degree in Law of another university or tertiary institution which, in the opinion of the School is equivalent to any of the degrees contained in 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 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 Academic Program Rules.

4.1 Academic program

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..

4.2 No candidate will be permitted to count for the Masters 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Master of Laws

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 a degree of Bachelor of Laws with Honours at the University of Adelaide *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 Research Education and Development 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Doctor of Laws

Academic Program Rules

1 Subject to these Academic Program Rules the Council may, on the recommendation of the Faculty of the Professions, accept as a candidate for the degree of Doctor of Laws any person who, in the opinion of the Faculty, is a fit and proper person to be so accepted.

2 To qualify for the degree a candidate may either:

(a) submit for assessment all or some of his/her scholarly work, including work not previously published *or*

(b) present a thesis on a subject approved by the Faculty.

3 (a) A person who desires to qualify for the degree in accordance with alternative (a) of Regulation 2 shall give notice of his/her intended candidature in writing to the Manager, Graduate Administration and Scholarships, Adelaide Graduate Centre and with such notice shall furnish particulars of his/her scholarly achievements and of the work which he/she proposes to submit for the degree.

(b) The Faculty of the Professions shall examine the information submitted and shall decide whether to recommend to the Council that the applicant be accepted as a candidate.

4 (a) To qualify for the degree according to alternative (a) of Regulation 2 a candidate shall submit work which constitutes an original and substantial contribution of distinguished merit to legal knowledge or understanding.

(b) If any of the material submitted represents work carried out conjointly, the candidate shall state the extent to which he/she was responsible for such work.

(c) The candidate shall indicate what part, if any, of his/her works has already been presented for a degree in this or any other university.

5 A person who desires to qualify for the degree in accordance with alternative (b) of Regulation 2 may be accepted as a candidate if he/she:

(a) holds or has qualified for the Honours degree of Bachelor of Laws *or*

(b) holds or has qualified for the degree of Master of Laws: provided that the Faculty of the Professions may accept in lieu of the foregoing an equivalent qualification obtained in any other university recognised by the University of Adelaide *or*

(c) has passed an examination approved by the Faculty.

6 (a) To qualify for the degree according to alternative (b) of Regulation 2 a candidate shall present a thesis which:

(i) contains an original and substantial contribution of distinguished merit to legal knowledge or understanding *and*

(ii) merits publication as a book or monograph (other than as a collection of separate articles), whether or not it has been previously published in full or in part. A thesis previously presented for a degree in this or in any other University may not be submitted under this regulation.

(b) A candidate may also present in support of his/her candidature other published books, monographs, or articles. If any of these publications record work carried out conjointly, the candidate shall state the extent to which he/she was responsible for the initiation and presentation of such publications.

(c) A candidate proceeding in accordance with alternative (b) of regulation 2 and with this regulation shall not be admitted to the degree until the expiration of the fourth academic year from his/her admission to the degree by virtue of which he/she was accepted as a candidate.

7 The candidate shall lodge with the Adelaide Graduate Centre three copies of the work submitted or of the thesis presented, as the case may be, prepared in accordance with the directions given in sub-paragraph (b) of clause 2B of Chapter XXV of the Statutes. If the work is accepted for the degree the two of the copies will be transmitted to the University Library.

8 The Faculty of the Professions shall nominate examiners. Normally there will be three examiners, two of them external to the University; but exceptions may be made in special cases recommended by the Faculty and approved by the Council.

9 The examiners may, if they think fit, examine the candidate either orally or by written questions on the material presented for the degree.

10 A candidate who complies with the foregoing conditions and satisfies the examiners may, on the recommendation of the Faculty of the Professions, be admitted to the degree of Doctor of Laws.

For further information please contact the Adelaide Graduate Centre.

Regulations allowed 15 January, 1976.

Amended: 4 Feb. 1982: 3, 7.

Rule approved and Regulation repealed 18 March 1999.

Medical School

Website: www.medicine.adelaide.edu.au

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Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties.

2 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.

Graduate Certificate in Grief and Palliative Care Counselling

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 Grief and Palliative Care Counselling shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty of Health Sciences for the purpose as equivalent to a degree of the University.

2.2 The Faculty of Health Sciences 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 General Practice, no candidate will be granted status for the core or elective courses of the Graduate Certificate, except for those candidates who have completed antecedent courses in Grief and Palliative Care Counselling presented by the Department of General Practice, the University of Adelaide.

2.3.2 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 Students who complete this academic program are eligible to apply for entry to the Graduate Diploma in Grief and Palliative Care Counselling and be granted status for the work they have undertaken in their Graduate Certificate.

2.4.2 Students who have conferred upon them the award of Graduate Certificate in Grief and Palliative Care Counselling 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 Grief and Palliative Care Counselling or the Graduate Diploma in Grief and Palliative Care Counselling 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

4.1 Academic program

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

4.1.1 Core courses

GEN PRAC 7101HO Bereavement	2
GEN PRAC 7104HO Supervised Field Education	2
GEN PRAC 7108HO Counselling and Supervision	6

4.1.2 Elective courses

All candidates shall complete an elective course to the value of 2 units selected from the following elective courses:

GEN PRAC 7102HO Loss and Grief	2
GEN PRAC 7103HO Issues in Death and Dying	2

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 General Practice.

4.3 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Grief and Palliative Care Counselling for syllabus details.

Graduate Certificate in Human Anatomy

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

4.1 Academic program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete the following course:

Anat Sc 5000A/B Human Anatomy Graduate Certificate	12

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabus

ANAT SC 5000A
Human Anatomy for Graduate Certificate Part 1

ANAT SC 5000B
Human Anatomy for Graduate Certificate Part 2

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.

Graduate Certificate in Nursing Science

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 that 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

5.1 Academic program

To qualify for the Graduate Certificate a candidate shall successfully complete a specialisation set of courses, listed below, to the value of 12 units:

Apheresis Nursing	
CLIN NUR 5101HO Apheresis Nursing I	6
CLIN NUR 5102HO Apheresis Nursing II	6
Hyperbaric Nursing	
CLIN NUR 6116HO Hyperbaric Nursing I	6
CLIN NUR 5103HO Hyperbaric Nursing II	6
Infection Control	
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.

5.3 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.

5.4 Graduation

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.

6 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 Academic Program Rules for any particular award.

CLIN NUR 5101HO
Apheresis Nursing I

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 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

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

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 & Epidemiology

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

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

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.t to approx 2000 words) 25%, clinical skills Pass/fail. Students must pass each component

CLIN NUR 5107HO
Trauma Management I

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

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

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

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 essay 20%, 2000 word Clinical Scenario 30%, 3250 word Infection Control Project 50% . Students must pass each component

CLIN NUR 6121HO
Stomal Therapy

6 units semester 1or 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

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 the University of Adelaide and the University of South Australia.

There is a Management Committee comprising two academic representatives from each university and a student representing each 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.

Note: the program is offered only on a part-time basis and may attract tuition fees.

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 the University of Adelaide.

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

4.1 Academic program

To qualify for the Graduate Certificate, a candidate shall satisfactorily complete the following courses.

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 & Law I G **	3

* Offered by the University of Adelaide

** Offered by the University of South Australia

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Occupational Health and Safety for syllabus details.

Graduate Certificate in Public Health

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

4.1 Academic program

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

4.1.1 Core courses

All candidates shall complete the following course:

PUB HLTH 7100HO Foundations of Public Health	3

4.1.2 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 7031HO 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 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 7118HO Public Health Studies	3
PUB HLTH 7121HO Health Program Evaluation	3
PUB HLTH 7123HO Rural Public Health	3
PUB HLTH 7124HO Population Health for Clinicians A	3
PUB HLTH 7125HO Population Health for Clinicians B	3
PUB HLTH 7126HO Qualitative Research in Practice	3

Other courses offered by this or other universities 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 Public Health.

4.3 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Public Health for syllabus details.

Graduate Diploma in Alcohol and Drug Studies

Note: This programs is only offered in the external mode.

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

5.1 Academic program

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.

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

5.2 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.

5.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

Please see Master of Alcohol and Drug Studies for syllabus details.

Graduate Diploma in Grief and Palliative Care Counselling

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 Grief and Palliative Care Counselling shall have qualified for a degree of the University or a degree of another institution accepted by the Faculty of Health Sciences for the purpose as equivalent to a degree of the University.

2.2 The Faculty of Health Sciences 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 Except with the special permission of the Head of the Department of General Practice, no candidate will be granted status for any of the core 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 except for those candidates who have completed antecedent courses in Grief and Palliative Care Counselling presented by the Department of General Practice, the University of Adelaide.

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 Grief and Palliative Care Counselling who satisfies the requirements for the Graduate Diploma but who does not complete the requirements for the Degree of Master of Grief and Palliative Care Counselling 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 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

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

4.1.1 core courses

All candidates shall complete the following courses:

GEN PRAC 7101HO Bereavement	2
GEN PRAC 7104HO Supervised Field Education	2
GEN PRAC 7108HO Counselling & Supervision	6
GEN PRAC 7205HO Advanced Counselling and Supervision I	2
GEN PRAC 7206HO Advanced Counselling and Supervision II	4
GEN PRAC 7207HO Advanced Counselling and Supervision III	2
and one of:	
GEN PRAC 7102HO Loss and Grief	2
GEN PRAC 7103HO Issues in Death and Dying	2

4.1.2 elective courses

All candidates shall complete additional elective courses to the value of 4 units selected from the following elective courses:

GEN PRAC 7102HO Loss and Grief	2
GEN PRAC 7103HO Issues in Death and Dying	2
GEN PRAC 7201HO Grief and Spirituality	2
GEN PRAC 7202HO Grief Studies	2
GEN PRAC 7203HO Research Methods I	1
GEN PRAC 7204HO Research Methods II	1

Other courses offered by this University or other universities that the Faculty approves for presentation in lieu of elective courses listed above up to the value of 4 units.

4.1.3 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 General Practice.

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Grief and Palliative Care Counselling for syllabus details.

Graduate Diploma in Nursing Science

Academic Program Rules

1 General

There shall be a Graduate Diploma in Nursing Science which is offered in the following specialisations:

1.1 Anaesthetic and Recovery Nursing

1.2 Cardiac Nursing

1.3 Clinical Nursing

1.4 Community Psychiatric Nursing

1.5 Emergency Nursing

1.6 General Practice Nursing

1.7 Gerontological Nursing

1.8 High Dependency Nursing

1.9 Intensive Care Nursing

1.10 Medical Nursing

1.11 Oncology Nursing

1.12 Orthopaedic Nursing

1.13 Perioperative Nursing

1.14 Public Health Nursing

1.15 Surgical Nursing

2 Duration of program

To qualify for the Graduate Diploma a candidate shall satisfactorily complete a program of study comprising one year of full-time study or not more that 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

5.1 Academic program

To qualify for the Graduate Diploma a candidate shall successfully complete the following:

5.1.1 Core courses, listed below, to the value of 8 units:

CLIN NUR 6101HO Developing Advanced Practice in Health Systems I	4
CLIN NUR 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:

Anaesthetic and Recovery Nursing

CLIN NUR 6104HO Nursing & Medical Science in Anaesth & Recovery I	4
CLIN NUR 6105HO Nursing & Medical Science in Anaesth & Recovery II	4

CLIN NUR 6178HO Anaesthetic & Recovery Nursing I	4
CLIN NUR 6179HO Anaesthetic & Recovery Nursing II	4

Cardiac Nursing

CLIN NUR 6108HO Cardiac Nursing I	4
CLIN NUR 6109HO Cardiac Nursing II	4
CLIN NUR 6110HO Nursing & Medical Science in Cardiac Nursing I	4
CLIN NUR 6111HO Nursing & Medical Science in Cardiac Nursing II	4

Clinical Nursing

CLIN NUR 6112HO Advanced Nursing Skills for Activities of Living	4
CLIN NUR 6113HO Cardiac Monitoring	4
CLIN NUR 6114HO Diabetes Education	4
CLIN NUR 6115HO Grief and Bereavement	4
CLIN NUR 6116HO Hyperbaric Nursing I	6
CLIN NUR 6117HO Infection Control Nursing	6
CLIN NUR 6118HO Management of Incontinence	6
CLIN NUR 6119HO Mental Health Care in Acute Settings	4
CLIN NUR 6120HO Rehabilitation Nursing	6
CLIN NUR 6121HO Stomal Therapy	6
CLIN NUR 6122HO Wound Management	6

and other courses that might be approved by the Faculty

Community Psychiatric Nursing

CLIN NUR 6123HO Advances in Community Psychiatric Care	4
CLIN NUR 6124HO Community Psychiatric Nursing I	4
CLIN NUR 6125HO Community Psychiatric Nursing II	4
CLIN NUR 6126HO Reflective Practice in Primary Health Care for Mental Health	4

District Nursing

CLIN NUR 6167HO Contemporary Issues in District Nursing	4
CLIN NUR 6168HO Population Profiling in Chronic Illness	4
CLIN NUR 6169HO District Nursing A	4
CLIN NUR 6170HO District Nursing B	4

Emergency Nursing

CLIN NUR 6127HO Emergency Nursing I	4
CLIN NUR 6128HO Emergency Nursing II	4
CLIN NUR 6129HO Nursing & Medical Science in Emergency Nursing I	4
CLIN NUR 6130HO Nursing & Medical Science in Emergency Nursing II	4

General Practice Nursing

CLIN NUR 6131 HO Emergency Care in General Practice	4
CLIN NUR 6132HO General Practice Nursing I	2
CLIN NUR 6133HO Health Assessment	3
CLIN NUR 6134HO Nursing and Medical Science in Primary Health Care	4
CLIN NUR 6135HO Pathology and Pharmacology in General Practice	3

Gerontological Nursing

CLIN NUR 6136HO Contemporary Issues in Aged Care	4
CLIN NUR 6137HO Functional Assessment	4
CLIN NUR 6138HO Gerontological Nursing	4
CLIN NUR 6139HO Palliative Nursing in Aged Care	4

High Dependency Nursing

CLIN NUR 6140HO High Dependency Nursing I	4
CLIN NUR 6141HO High Dependency Nursing II	4
CLIN NUR 6142HO Nursing & Medical Science in High Dependency I	4
CLIN NUR 6143HO Nursing & Medical Science in High Dependency II	4

Intensive Care Nursing

CLIN NUR 6144HO Intensive Care Nursing I	4
CLIN NUR 6145HO Intensive Care Nursing II	4
CLIN NUR 6146HO Nursing & Medical Science in Intensive Care I	4
CLIN NUR 6147HO Nursing & Medical Science in Intensive Care II	4

Medical Nursing

CLIN NUR 6148HO Medical Nursing I	4
CLIN NUR 6149HO Medical Nursing II	4
CLIN NUR 6176HO Nursing & Medical Science in Medical Nursing I	4
CLIN NUR 6177HO Nursing & Medical Science in Medical Nursing II	4

Oncology Nursing

CLIN NUR 6152HO Nursing & Medical Science in Oncology Nursing I	4
CLIN NUR 6153HO Nursing & Medical Science in Oncology Nursing II	4
CLIN NUR 6154HO Oncology Nursing I	4
CLIN NUR 6155HO Oncology Nursing II	4

Orthopaedic Nursing

CLIN NUR 6156HO Nursing and Medical Science in Orthopaedics I	4
CLIN NUR 6157HO Orthopaedic Nursing I	4
CLIN NUR 6158HO Orthopaedic Nursing II	4
CLIN NUR 6175HO Nursing & Medical Science in Orthopaedics II	4

Perioperative Nursing

CLIN NUR 6159HO Nursing & Medical Science in Perioperative Nurs I	4
CLIN NUR 6160HO Nursing & Medical Science in Perioperative Nurs II	4
CLIN NUR 6161HO Perioperative Nursing I	4
CLIN NUR 6162HO Perioperative Nursing II	4

Public Health Nursing

CLIN NUR 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 7113HO Intro to Environmental and Occupational Health	3
PUB HLTH 7115HO Public Health Law	3
PUB HLTH 7117HO Public Health Policy and Ageing	3
PUB HLTH 7118HO Public Health Studies	3

Surgical Nursing

CLIN NUR 6164HO Nursing and Medical Science in Surgical Care II	4
CLIN NUR 6165HO Surgical Nursing 1	4
CLIN NUR 6166HO Surgical Nursing 11	4
CLIN NUR 6180HO Nursing & Medical Science in Surgical Care I	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 quality for the Graduate Diploma by successfully completing:

(a) the core courses listed in 5.1 above to the value of 8 units

(b) the four unit course CLIN NUR 6103HO 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.

5.3 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.

5.4 Graduation

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.

6 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 Academic Program Rules for any particular award.

Core courses

CLIN NUR 6101HO
Developing Advanced Practice in Health Systems I

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%, 2 class presentations (or briefing papers for flexible mode students) 40%

CLIN NUR 6102HO
Developing Advanced Practice in Health Systems II

4 units semester 1 and 2

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%

Specialisation courses

CLIN NUR 6103HO
Focused Reading in Clinical Nursing

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 & Medical Science in Anaesth & Recovery I

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: 2500 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

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

4 units semester 1

2 hrs per week as required for workshops, 300 hrs 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 of the course

CLIN NUR 6109HO
Cardiac Nursing II

4 units semester 2

2 hrs per week as required for workshops, 300 hrs 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: 2 clinical assessment sheets (1250 words each) 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

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 hr exam 50%. Students must pass each component

CLIN NUR 6111HO
Nursing & Medical Science in Cardiac Nursing II

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

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

4 units semester 1 or 2

2 hours per week for 11 weeks

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

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

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

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

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 essay 20%, 2000 word Clinical Scenario 30%, 3250 word Infection Control Project 50% . Students must pass each component.

CLIN NUR 6118HO
Management of Incontinence

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

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

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

CLIN NUR 6121HO
Stomal Therapy

6 units semester 1or 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

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

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

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

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

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

4 units semester 1

2 hrs per week as required for workshops; 300 hrs 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. Skills will predominantly be concerned with assessment of the person presenting to an emergency department.

assessment: 2000 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

4 units semester 2

2 hrs per week as required for workshops, 300 hrs 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 Nursing I

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 Emergency Nursing. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: 2000 word essay 25%, mid-term exam 25%, 2 hour exam 50%. Students must pass each component.

CLIN NUR 6130HO
Nursing & Medical Science in Emergency Nursing II

4 units semester 2

3 hours per week for 13 weeks

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: 2500 word (or equiv) report critique 50%, 2 hour exam 50%. Students must pass each component

CLIN NUR 6131HO
Emergency Care in General Practice

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

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.

assessment: competency assessment 50%, 2000 word case study 50%

CLIN NUR 6133HO
Health Assessment

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: 2000 word description of health assessment 50% and demonstration of a health assessment 50%

CLIN NUR 6134HO
Nursing and Medical Science in Primary Health Care

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 & Pharmacology in General Practice

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 essay 50%, 1.5 hour exam 50%. Students must pass each component of course

CLIN NUR 6136HO
Contemporary Issues in Aged Care

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

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

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

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

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. Advanced clinical skill acquisition will occur based on theoretical frameworks of care and includes 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

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 essay 50%, 30 min. clinical problem solving via an electronic discussion board or viva voce exam 50%, competency assessment Pass/fail. Students must pass each component of course

CLIN NUR 6142HO
Nursing & Medical Science in High Dependency I

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 & Medical Science in High Dependency I

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

4 units semester 1

2 hrs per week as required for workshops, 300 hrs 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

4 units semester 2

2 hrs per week as required for workshops; 300 hrs 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

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 Intensive Care nursing. The focus will be on physiology, biochemistry, therapeutics and nursing science.

assessment: clinical assessment sheets 40%, 2 hour exam 60%. Students must pass each component

CLIN NUR 6147HO
Nursing & Medical Science in Intensive Care II

4 units semester 2

3 hours per week for 13 weeks

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.) 50%, 2 hour exam 50%. Students must pass each component

CLIN NUR 6148HO
Medical Nursing I

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 II

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 6152HO
Nursing & Medical Science in Oncology Nursing I

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 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

4 units semester 2

3 hours per week for 13 weeks

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

4 units semester 1

2 hrs per week as required for workshops, 300 hrs 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: 2000 word case study 50%, 30 min. viva voce exam 50%, competency assessment Pass/fail. Students must pass each component

CLIN NUR 6155HO
Oncology Nursing II

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: 2000 word essay 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 I

4 units semester 2

3 hours per week for 13 weeks

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

4 units semester 1

2 hours per week for 13 weeks

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

4 units semester 2

2 hours per week for 13 weeks

This course will build on the student's previous learning in Orthopaedic Nursing 1. It will focus on further advanced clinical skills acquisition based on theoretical frameworks of care through field based learning within the area of Orthopaedic Nursing.

assessment: case study and presentation 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 Perioperative Nursing I

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 Perioperative 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 Perioperative Nursing II

4 units semester 2

3 hours per week for 13 weeks

This course will build on Nursing and Medical Science in Perioperative Nursing I and the other specialty Perioperative 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
Perioperative Nursing I

4 units semester 1

2 hrs per week as required for workshops, 300 hrs clinical practice.

This course will largely consist of field based learning within the area of Perioperative 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
Perioperative Nursing II

4 units semester 2

2 hrs per week as required for workshops, 300 hrs clinical practice.

This course will build on student's previous learning in Perioperative Nursing I. It will focus on advanced clinical skill acquisition, based on theoretical frameworks of care through field based learning within the area of Perioperative 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

4 units semester 1 or 2

2 hours per week for 13 weeks

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 II

4 units semester 1 or 2

3 hours per week for 13 weeks

This course will focus on nursing and medical science specific to surgical nursing practice. The focus will be on anatomy and physiology, pharmacokinetics, microbiology, biochemistry, therapeutics and nursing science.

assessment: 2500 word essay 50%, 2 hours exam 50%. Students must pass each component of assessment

CLIN NUR 6165HO
Surgical Nursing I

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

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 NUR 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 5000 word portfolio

CLIN NUR 6168HO
Population Profiling in Chronic Illness

4 units semester 1 or 2

Flexible learning mode

This course will require students to apply the skills and knowledge gained form the previous courses in order to fufil 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 NUR 6169HO
District Nursing I

4 units semester 1or 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 Wound Assessment Form 50%, 2500 word self-evaluation and critical reflection regarding wound management practices 50%

CLIN NUR 6170HO
District Nursing II

4 units semester 1 or 2

Flexible learning plus 300 hours clinical practice

The specific objectives are for students to develop an 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 6175HO
Nursing & Medical Science in Orthopaedics II

4 units semester 1 or 2

3 hours per week for 13 weeks

This course will focus on nursing and medical science specific to orthopaedic 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. Students must pass each component of assessment.

CLIN NUR 6176HO
Nursing & Medical Science in Medical Nursing 1

4 units semester 1 or 2

3 hours per week for 13 weeks

This course will focus on nursing and medical science specific to medical 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 of assessment.

CLIN NUR 6177HO
Nursing & Medical Science in Medical Nursing II

4 units semester 1 or 2

3 hours per week for 13 weeks

This course will focus on nursing and medical science specific to medical 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 of assessment

CLIN NUR 6178HO
Anaesthetic and Recovery Nursing I

4 units semester 1

2 hrs per week as required for workshops, 300 hrs 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 6179HO
Anaesthetic and Recovery Nursing II

4 units semester 2

2 hrs per week as required for workshops, 300 hrs 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 6180HO
Nursing and Medical Science in Surgical Care I

4 units semester 1 or 2

3 hours per week for 13 weeks

This course will focus on nursing and medical science specific to surgical 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 of assessment

PUB HLTH 7100HO
Foundations of Public Health

3 units summer semester

PUB HLTH 7101HO
Introduction to Epidemiology and Biostatistics

3 units semester 1

PUB HLTH 7109HO
Health Promotion

3 units semester 1

PUB HLTH 7111HO
Industrial Toxicology

3 units semester 1

PUB HLTH 7113HO
Environmental and Occupational Health

3 units semester 2

PUB HLTH 7115HO
Public Health Law

3 units semester 2

PUB HLTH 7118HO
Public Health Studies

3 units semester 1 or 2

See Master of Public Health for syllabus details.

Graduate Diploma in Occupational Health and Safety Management

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.

3.2 (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 programs

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

4.1.1 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

4.1.2 Elective courses

All candidates shall complete 12 units selected from the following elective courses:

PUB HLTH 7114HO National Short Course in Environmental Health*	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 the University of Adelaide

** offered by the University of South Australia

*** offered by either university

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

Please refer to Master of Occupational Health and Safety for other syllabus details.

Graduate Diploma in Public Health

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

4.1 Academic program

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

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 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 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 7118HO Public Health Studies	3
PUB HLTH 7121HO Health Program Evaluation	3
PUB HLTH 7123HO Rural Public Health	3

PUB HLTH 7124HO Population Health for Clinicians A	3
PUB HLTH 7125HO Population Health for Clinicians B	3
PUB HLTH 7126HO Quantitative Research in Practice	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.

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 Public Health.

4.3 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Master of Public Health for syllabus details.

Master of Alcohol and Drug Studies

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:

(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 Alcohol and Drug Studies with results of at credit level or higher or

(c) have qualified for a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years' approved professional work experience.

2.2 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) 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 Qualifications requirements

4.1 Academic program

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

4.1.1 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

4.1.2 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

4.2 Some periods of residence in Adelaide may be required if academic progress is not satisfactory.

4.3 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

Core courses

PHARM 7001
Principles of Drug Action

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

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

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

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

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.

PHARM 7006
Practicum and Projects

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

Dissertation

PHARM 7007
Alcohol and Drug Studies Dissertation (Full-time)

PHARM 7008
Alcohol and Drug Studies Dissertation (Part-time)

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 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 University of Adelaide 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.

Master of Clinical Science

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 for the purpose as equivalent *or*

(b) have qualified for a degree of Bachelor of Nursing of a university accepted for the purpose by the University *or*

(c) 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 *or*

(d) have qualified for the Graduate Diploma in Grief and Palliative Care Counselling with results of credit level or higher *or*

(e) have qualified for a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years' approved professional work experience.

2.2 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.

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 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

4.1 To qualify for the degree a candidate shall submit a satisfactory dissertation thereon.

4.2 Graduation

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.

5 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 Academic Program Rules for any particular award.

Master of Grief and Palliative Care Counselling

Academic Program Rules

1 Duration of program

To qualify for the degree, a candidate shall satisfactorily complete a course of study comprising a year and a half of full-time study or the equivalent of part-time study.

2 Admission

2.1 The Faculty of Health Sciences may accept as a candidate for the degree any person who has qualified for a degree of the University of Adelaide or of another university.

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 Health Sciences 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 Health Sciences 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 Grief and Palliative Care Counselling, or antecedent courses in Grief and Palliative Care Counselling presented by the Department of General Practice, the University of Adelaide.

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 Grief and Palliative Care Counselling 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 awards as appropriate.

2.5.2 A candidate who has been admitted to the Graduate Diploma in Grief and Palliative Care Counselling or the the Graduate Certificate in Grief and Palliative Care Counselling and who subsequently satisfies the requirements for the Master of Grief and Palliative Care Counselling must surrender the Graduate Diploma or Graduate Certificate respectively 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.

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

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

4.1.1 Core courses

All candidates shall complete the following core courses:

GEN PRAC 7101HO Bereavement	2
GEN PRAC 7104HO Supervised Field Education	2
GEN PRAC 7108HO Counselling & Supervision	6
GEN PRAC 7205HO Advanced Counselling and Supervision I	2

GEN PRAC 7206HO Advanced Counselling and Supervision II	4
GEN PRAC 7207HO Advanced Counselling and Supervision III	2
and one of:	
GEN PRAC 7102HO Loss and Grief	2
GEN PRAC 7103HO Issues in Death and Dying	2

4.1.2 Elective courses

All candidates shall complete an additional 4 units selected from the following elective courses:

GEN PRAC 7102HO Loss and Grief	2
GEN PRAC 7103HO Issues in Death and Dying	2
GEN PRAC 7201HO Grief and Spirituality	2
GEN PRAC 7202HO Grief Studies	2
GEN PRAC 7203HO Research Methods I	1
GEN PRAC 7204HO Research Methods II	1

Other courses offered by this University or other universities that the Faculty approves for presentation in lieu of elective courses listed above up to the value of 4 units.

4.1.3 Dissertation

All candidates shall complete either the full-time or the part-time version of the following course:

GEN PRAC 7304HO MGPCC Dissertation (full-time)	12
GEN PRAC 7404HO MGPCC Dissertation (part-time)	12

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Note: 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.

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 General Practice at the beginning of each course.

assessment

For each course of study assessment will be by satisfactory completion of assignments and/or examinations.

GEN PRAC 7101HO
Bereavement

2 units trimester 1

This course aims to provide an experimental, theoretical and evidence based framework for best practice bereavement care and intervention relevant to counsellors. The nature and effects of grief, processes of recovery from bereavement and the factors that may effect its course will be discussed. The effects of context, gender, age and culture on the grieving process will also be explored. There will also be scope for self-reflective learning: to examine personal experiences and attitudes to death and dying and how these may influence approaches to clients and patients. Emphasis will be placed on the clinical applications of the principles learned in this subject.

GEN PRAC 7102HO
Loss and Grief

2 units trimester 2

This course presents an overview of the paradigm of loss and grief and a range of circumstances in which loss and grief may be experienced. Relevant mental health issues will be covered, with a focus on the associations between loss and grief and mental health problems. The principles of management and models of therapy will be reviewed. Participants will be encouraged to reflect on their own work experience and practice.

GEN PRAC 7103HO
Issues in Death and Dying

2 units trimester 2

This course comprises of three main topics: legal issues, ethical issues and exploring death and dying. Legal issues will cover the role of the Law in death and dying, with specific reference to the acts associated with death and the subsequent legal process. Ethics will address basic ethical theory and the application thereof. Practical ethical problems will be presented in this topic. Exploring death and dying will present multidisciplinary views on terminal illness and dying.

GEN PRAC 7104HO
Supervised Field Education

2 units trimester 1

This course provides scope for the application of knowledge and skills either in the context of the student's own workplace (if suitable) or of an agency, institution or service in which counselling of clients or patients takes place. Students will be invited to engage actively in a process of collaborative reflection on and analysis of counselling cases and issues, in order to consolidate their learning and to achieve personal insight and development within a professional perspective.

GEN PRAC 7108HO
Counselling & Supervision

6 units trimester 1, 2 or 3

This course provides a practical and theoretical introduction to the practice of counselling. The evidence for effectiveness in therapeutic practice is explored and the importance of the self-aware counsellor in successful therapeutic interaction is stressed. Specific world-views, levels of awareness, personal needs and personalities of participants are explored within the framework of a personality typology.

Students will learn the practical skills and theory necessary for creating and maintaining counselling relationships. This includes an understanding of the significance of counselling micro skills for the counselling process, exploration of an integrated sequence of counselling micro skills, identification of areas of strength and areas in need of development with regard to individual mastery of micro skills, and an ability to apply counselling micro skills in sequence within the context of a counsellor/client relationship.

Issues relating to the therapeutic process will be explored and the context and structure of the counselling relationship will be considered. Students will be encouraged to apply the principles and skills learned to the requirements of their specific work practice, their professional skills and their own personal experience and style.

GEN PRAC 7201HO
Grief and Spirituality

2 units trimester 1

This course recognises the importance of spiritual issues in counselling and therapeutic work with those experiencing grief. The distinction between religion and spirituality is drawn and the emergence of spiritual questions during challenging developmental or situational transition times is examined. The particular

contributions of Christian and Buddhist frameworks to the task of caring carried out by health practitioners are discussed, and an introduction to the significance of the transpersonal approach and the importance of rituals and symbols in grief work will be included.

Students are encouraged to reflect on their own experience of the connections between grief and spirituality and to consider their attitudes towards spiritual issues in counselling. Emphasis will be on understanding and identification of appropriate incorporation of spiritual dimensions in clinical practice.

GEN PRAC 7202HO
Grief Studies

This course is intended for anyone concerned with running grief support groups either in a voluntary or professional capacity.

The course will consist of seminars presented by a range of experts and include: 1) Setting up a group: aims and design of groups, management style, leadership issues, format of meetings, meeting the need; The practicalities of committee management, building up personnel resources and incorporation; Managing group dynamics: large and small group management skills, managing distress and anger, safety issues; Legal, ethical and financial issues; Telephone counselling and running group support teleconferences. 2) Evidence-based therapeutic strategies; Structure of meetings: therapeutic and creative activities. 3) Planning and carrying out an evaluation; applying for funding; Opportunities for practical experience within a group.

GEN PRAC 7203HO
Research Methods I

1 unit trimester 2

This course is designed to provide students with a broad introduction to research process and methods. The processes covered are selected with particular reference to issues pertaining to researching questions within the health care system. Content includes an introduction to health research, formulating a research question and searching the literature.

GEN PRAC 7204HO
Research Methods II

1 unit trimester 3

This course builds on the concepts of Research and Design Methodology 1. Content includes ethical issues, research design, quantitative and qualitative methodology and the writing of a research proposal. At the conclusion of the course participants should be in the position of being able to choose, with justification, from a variety of contemporary methods and to apply one method to a research question of their choice.

GEN PRAC 7205HO
Advanced Counselling & Supervision I

2 units trimester 1

This course builds on the knowledge and skills acquired in level 1. An overview of the major therapeutic models used in counselling and psychotherapy is presented, and their application in palliative, grief and bereavement care is considered. Opportunities to explore, learn and practise basic skills and techniques related to these therapeutic models are provided. Students are encouraged to relate issues of self awareness and self-development to a personal framework for grief and bereavement counselling that integrates models of grief with aspects, techniques and procedures chosen from the major therapeutic systems.

GEN PRAC 7206HO
Advanced Counselling and Supervision II

4 units trimester 2

Students will learn two practical, empirically validated strategies (for example, cognitive behavioural therapy and psychosynthesis) with a specific focus on the philosophy, practice and techniques. The course tailors these techniques specifically to a range of client and patient populations who are suffering or experiencing grief. Students will be given the opportunity to experience various techniques and exercises drawn from the teachings, practitioners and tradition.

GEN PRAC 7207HO
Advanced Counselling and Supervision III

2 units trimester 3

Under supervision students will be encouraged to formulate a personal and integrated counselling approach to grief-related work, and to reflect on the appropriate application and usage of different counselling models in their specific work contexts, professional skills and personal style.

GEN PRAC 7304HO
MGPCC Dissertation (full-time)

GEN PRAC 7404HO
MGPCC Dissertation (part-time)

12 units

Details to be advised.

Master of Medical Science

Academic Program Rules

1 Duration of program

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.

1.3 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

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 the University of Adelaide *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 the University of Adelaide, 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 Research Education and Development 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

Master of Nursing Science

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:

(a) have qualified for a Bachelor of Nursing of a university accepted for the purposes by the University or have at least two years post registration experience as a registered nurse *and*

(b) be registered, or be eligible for registration, as a nurse in South Australia

(c) have obtained the approval of the Department of Clinical Nursing.

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:

(a) satisfactorily complete the Stage I requirements by qualifying for the award of the Graduate Diploma in Nursing Science or a Graduate Diploma in a nursing specialty offered by the Department of Clinical Nursing

or

a 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.

(b) satisfactorily complete the requirements of 4.1.1 and 4.1.2 below, or 4.1.1 and 4.1.3 below.

4.1.1 Core courses

All candidates shall complete the following core courses:

CLIN NUR 7001HO Empirical/Analytical Research	3
CLIN NUR 7002HO Interpretative & Critical Research	3

4.1.2 Dissertation

All candidates shall complete either:

CLIN NUR 7008AHO Research Dissertation B Part 1	6
and	
CLIN NUR 7008BHO Research Dissertation B Part 2	12
or	
CLIN NUR 7008AHO Research Dissertation B Part 1	6
and	
CLIN NUR 7009HO Research Dissertation B (Part-time) Progress	6
and	
CLIN NUR 7010HO Research Dissertation B (Part-time) Final	6

4.1.3 Dissertation and Electives

CLIN NUR 7005HO Research Dissertation	12
or	
CLIN NUR 7006HO Research Dissertation (Stage 1)	6
and	
CLIN NUR 7007HO Research Dissertation (Stage 2)	6
and	
two courses from the following:	
CLIN NUR7003HO International Issues in Nursing Service Delivery	3
CLIN NUR 7004HO The Emergence of a Theoretical Base for Nursing	3
CLIN NUR 7011HO Clinical Management	3

4.3 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.

4.4 Graduation

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.

5 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 Academic Program Rules for any particular award.

CLIN NUR 7001HO
Empirical/Analytical Research in Nursing

3 units semester 1 or 2

flexible mode or 2 hours per week for 13 weeks

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: statistics workbook 40%, research proposal 60%

CLIN NUR 7002HO
Interpretive and Critical Research in Nursing

3 units semester 1 or 2

flexible mode or 2 hours per week for 13 weeks

This course will build on student's previous learning on the interpretive and critical paradigms and focus on research design from this perspective. Topics will include the critique of positivism and an introduction to interpretive methodologies, such as grounded theory, ethnography and phenomenology. There will be a brief overview of critical methodologies (feminist research and action research). Practical research activities such as literature searching, conducting interviews and coding qualitative data will also be provided.

assessment: 2000 word essay 40%, research proposal 60%

CLIN NUR 7003HO
International Issues in Nursing Service Delivery

3 units semester 1 or 2

flexible mode or 2 hours per week for 13 weeks

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. Topics will include health and the environment, the epidemiology of disease, epidemiological tools, poverty, global conflict, the economics of health care, political awareness, leadership and spheres of nursing.

assessment: on campus - presentation and 1000 word briefing paper 40%, 3000 word assignment 60%; off campus - 2000 word essay 40%, 3000 word assignment 60%

CLIN NUR 7004HO
The Emergence of A Theoretical Base for Nursing

3 units semester 1 or 2

flexible mode or 2 hours per week for 12 weeks

This course will build on student's previous learning on nursing theory and will critique current discourses in nursing on theory development. Students will critically analyse nursing and locate and discuss the origins of dominant theories in nursing. They will apply and subsequently transform theory from other disciplines which inform nursing, develop theoretical understanding of nursing and advance the discipline of nursing through theoretical nursing in practice.

assessment: 2000 word portfolio 50%, 3000 word essay 50%

CLIN NUR 7005HO
Research Dissertation A

12 units semester 1 or 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.

CLIN NUR 7006HO
Research Dissertation A Stage I

CLIN NUR 7007HO
Research Dissertation A Stage II

6 units semester 1 or 2

flexible mode and individual supervision

This component of the program 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 - 25,000 word dissertation 100%

CLIN NUR 7008AHO
Research Dissertation B Part 1

6 units semester 1 or 2

CLIN NUR 7008BHO
Research Dissertation B Part 2

12 units semester 1 or 2

flexible mode and individual supervision

CLIN NUR 7009HO
Research Dissertation B (Part-time) Progress

CLIN NUR 7010HO
Research Dissertation B (P/T) Final

6 units semester 1 or 2

flexible mode and individual supervision

This component of the program requires the student to identify a research question or problem; to carry out a substantial research study based on this question; and to submit a fully developed report.

assessment: 30,000 - 35,000 word dissertation 100%

CLIN NUR 7011HO
Clinical Management

3 units semester 1 or 2

This course will explore contemporary issues in relation to health management in clinical nursing practice. Topics will include: health service organisation, strategic planning, financial planning, human resource management and clinical leadership.

assessment: activities/discussion portfolio 40%; development of a budget/strategic plan 60%

Master of Occupational Health and Safety

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 a Bachelor degree of the University of Adelaide in an appropriate field of study, or a degree of another institution accepted by the Faculty for the purpose as equivalent, plus have at least two years' approved 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

4.1 Academic program

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

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 HLTH7014HO 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***	3
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

* offered by the University of Adelaide

** offered by the University of South Australia

*** offered by either university

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Core courses

PUB HLTH 7105HO
Diseases of Occupation

3 units semester 1 or 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

3 units semester 2

lectures and practical demonstrations

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: to be advised

PUB HLTH 7131HO
Occupational Safety and Statistics

3 units semester 2

2 lectures, 1 tutorial per week; worksite visit

prerequisite: 7510 Occupational Health G; 8846 OHS Management and Law IG

Offered by the University of SA. 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

3 units semester 1

2 lectures, 1 tutorial per week; worksite visit

Offered by the University of SA. 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

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 Environmental Health

3 units semester 2

Intensive course held over 5 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.

assessment: two assignments

PUB HLTH 7133HO
Advanced Ergonomics

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

3 units semester 1 or 2

15 lectures, 10 tutorials, 9 practicals, 5 worksite visits

prerequisite: 7130HO Occupational Hygiene and Ergonomics G; 7141 HO Practical Occupational Health 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: to be advised

PUB HLTH 7135HO
Advanced OHS Management

3 units semester 1 or 2

lecture, 1 tutorial per week

prerequisite: 8846 OHS Management and Law IG; 5470 OHS Management and Law IIG

Offered by the University of SA. 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

3 units semester 1

2 lectures, 1 tutorial per week; worksite visits

Offered by the University of SA. 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

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

3 units semester 1

2 lectures, 1 tutorial per week, worksite visit

co/prerequisite: 7132HO OHS Management and Law IG

Offered by the University of SA. OH&S and relevant employment relations legislation ñ content and interpretation. Legal relationships in OH&S' employer/employee principal/contractor, supplier/purchaser etc. The enforcement pyramid and legal proceedings. OH&S management systems' elements and their implementation. International and Australian quality standards and their nexus with OH&S.

assessment: class presentations 15%, project and report 35%, written assignments 50%

PUB HLTH 7139HO
OHS Research Methods

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

3 units semester 2

24 lectures, 12 tutorials, worksite visits

Practical Occupational Health develops skills and knowledge in relation to significant day-to-day issues including report writing, hearing conservation and noise control, radiation, shift work, alcohol, workers compensation and rehabilitation.

There is a practical component involving a worksite visit, and a session on computerised literature searching.

assessment: written assignments and oral presentation

Thesis

PUB HLTH 7142HO
OHS Research Thesis

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)

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 Head of the Psychology Department 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 the University of Adelaide 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 Faculty 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 7114A/B Research Project in Clinical/Health 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. Both examiners will normally be internal to the Department but not include the student's supervisor.

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 Head of the Psychology Department 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 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 PSYCHOL 7101A/B, PSYCHOL 7102, PSYCHOL 7103, PSYCHOL 7105, PSYCHOL 7106, PSYCHOL 7107, PSYCHOL 7108, PSYCHOL 7109 and PSYCHOL 7110, and one placement, during first year. They should also do preliminary work on their research project although they will not enrol formally until second year. During second year they will complete PSYCHOL 7104, 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 7101A/B Adult Clinical Psychology Part 1 & 2	4
PSYCHOL 7102 Applied Methodology	2
PSYCHOL 7103 Child Clinical Psychology	2
PSYCHOL 7104 Clinical Neuropsychology	2
PSYCHOL 7105 Preparation for Psychological Practice II	2
PSYCHOL 7106 Health Psychology	2
PSYCHOL 7107 Preparation for Psychological Practice I	2
PSYCHOL 7108 Psychological Assessment	2
PSYCHOL 7109 Psychological and Health Aspects of Ageing	2
PSYCHOL 7110 Rehabilitation and Disability	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

4.3.3 Research project

PSYCHOL 7114 A/B Research Project in Clinical/Health Psychology	14

4.4 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.

4.5 Graduation

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.

5 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 Academic Program Rules for any particular award.

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 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, and this can be accessed through the Psychology Department web site: www.psychology.adelaide.edu.au/course info/studying.html

The program is designed to run in 2 year cycles, with 9 of the 10 compulsory coursework courses to be offered in the first year. One of the placements will be undertaken during the second semester of the first year, and the other two will occur during the second year. The research project will be carried out over both semesters in the second year.

Each compulsory course involves a series of weekly 3 hour sessions of formal class contact, for 12 weeks of one semester. These contact sessions, in addition to material presented by lecture, may include activities such as practical exercises, demonstrations, and tutorial discussions.

prerequisites: except where specified, there are no 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.

Coursework

PSYCHOL 7101A
Adult Clinical Psychology Part 1

PSYCHOL 7101B
Adult Clinical Psychology Part 2

4 units full year

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 emotional and behavioural problems in adults. They will be involved in developing their therapeutic skills in the implementation of basic cognitive and behavioural strategies.

assessment: multiple choice exam 30%, class presentation 30%, take-home exam 40%

PSYCHOL 7102
Applied Methodology

2 units summer intensive over 7 days (9:30am - 3:30pm)

This 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: group verbal presentation 15%, individual written research protocol 85%

PSYCHOL 7103
Child Clinical Psychology

2 units semester 1

3 hours per week

This course aims to provide theoretical knowledge and practical experience in child clinical psychology. The focus is on the assessment, treatment and conceptualisation of problems of children and 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

2 units semester 1, second year

3 hours per week

prerequisite: PSYCHOL 7108 Psychological Assessment or 8382 Psychological Assessment or 7563 Psychological Assessment

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 neuro-psychological assessment; the underlying assumptions in this field; the areas of cognitive functioning that are of interest to neuropsychologists; the behavioural geography of the brain; and 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 to develop students' skills in interpreting neuropsychological test data.

assessment: critical review of a commonly used neuropsychological test; write-up of a neuropsychological report for a single patient

PSYCHOL 7105
Preparation for Psychological Practice II

2 units semester 2

3 hours per week

This course involves intensive training in advanced psychotherapeutic approaches, such as cognitive behavioural therapy. It employs the same model of integrated skills training used in Preparation for Psychological Practice I. Students will be trained to a performance criterion for each specific skill, in a supportive group setting. Students will be required to demonstrate competency in each skill to pass the course. The course also covers issues of relevance to clinical practice, such as supervision during clinical placements, giving expert testimony in court, psychotherapeutic interventions for complex cases and ethical dilemmas in professional practice. By the conclusion of the course, students will have acquired a repertoire of individual and group therapeutic techniques, and a knowledge of how to apply these skills in a flexible manner according to the needs of the client.

assessment: videotaped demonstrations of clinical skill acquisition, and workshop presentation

PSYCHOL 7106
Health Psychology

2 units semester 1

3 hours per week

This course examines the relationships of social, behavioural and cognitive variables to health. It covers those aspects of the social environment that 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 I

2 units semester 1

3 hours per week

This course involves intensive training in introductory counselling, interviewing and psychological intervention skills. The teaching model employed consists of intensive workshops with high levels of student participation, and an integrated criterion skills approach. In each workshop, students will observe a therapeutic skill being modelled by experienced Clinical Psychologists. They will then discuss and practice this skill to a criterion of performance. Students will be required to demonstrate competency in each skill to pass the course. The course also gives in depth consideration to other issues of relevance to professional practice, such as professional ethics, the professional responsibilities of psychologists, and professional registration requirements.

assessment: videotaped demonstrations of clinical skills acquisition, and workshop presentation

PSYCHOL 7108
Psychological Assessment

3 hours per week

This single semester subject aims to introduce students to the principles of assessment by focusing on a small number of widely used norm-referenced tests of abilities. On completion, students should: have practised giving tests to infants, children and adults; be able to score the tests covered and draw inferences from the results; be able to write a report of professional standard.

assessment: three assignments based on practical exercises

PSYCHOL 7109
Psychological and Health Aspects of Ageing

2 units semester 2

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 that emphasises the interplay between biological, psychological and social factors on aspects of functioning.

assessment: two assignments

PSYCHOL 7110
Rehabilitation and Disability

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 the 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.

Placements

PSYCHOL 7111
Master of Psychology (Clinical) Placement I

4 units

18 hours per week

prerequisite: PSYCHOL 7010A/B Adult Clinical Psychology, PSYCHOL 7107 Preparation for Psychological Practice I, PSYCHOL 7108 Psychological Assessment

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 supervisory, student and university placement supervisor

PSYCHOL 7112
Master of Psychology (Clinical) Placement II

PSYCHOL 7113
Master of Psychology (Clinical) Placement III

4 units each

18.5 hours per week each

prerequisite: PSYCHOL 7107 Preparation for Psychological Practice 1 and PSYCHOL 7108 Psychological Assessment

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

Research project

PSYCHOL 7114A/B
Research Project in Clinical/Health Psychology

14 units full year

contact hours to be arranged with supervisor

prerequisite: PSYCHOL 7102 Applied Methodology or 9842 Applied Methodology or 7363 Applied Methodology; and first year of Master of Psychology

This is 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 the preparation of the report.

assessment: the dissertation will be examined as specified by Academic Program Rule 3 of the degree

Master of Psychology (Organisational and Human Factors)

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 in the Program is interrupted for a reason acceptable to the Head of the Department of Psychology may be granted an intermission of candidature by the Head on behalf of the Faculty. If such an application is approved the maximum period specified in clause 4.2 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 (Organisational and Human Factors) 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 Status, exemption and credit transfer:

2.2.1 The Faculty 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.

2.2.2 Except by the special permission of the Head of the Department of Psychology, no student may gain status for the course PSYCHOL 7225A/B Research Project in Organisational Psychology and Human Factors 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 two 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. Both examiners will normally be internal to the Department but not include the student's supervisor.

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 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 Head of the Department of Psychology 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 Qualification requirements

4.1 Unless exempted therefrom by the Faculty, all students will satisfactorily complete Compulsory Courses to the value of 22 units, three 18-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 PSYCHOL 7201, PSYCHOL 7202, PSYCHOL 7203, PSYCHOL 7204, PSYCHOL 7206, PSYCHOL 7207, PSYCHOL 7208, PSYCHOL 7209, PSYCHOL 7210, and PSYCHOL 7211 and one placement, during first year. They should also do preliminary work on

their research project although they will not enrol formally for that project until second year. During second year they will complete PSYCHOL 7205, two further placements, and the research project. Students may wish to consider linking the research project to one of the placements.

4.3 Program of study

Unless exempted therefrom by the Faculty of Health Sciences, 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 7201 Applied Methodology and Statistics	2
PSYCHOL 7202 Applied Perceptual and Cognitive Psychology	2
PSYCHOL 7203 Consumer Psychology	2
PSYCHOL 7204 Decision Making in Applied Situations	2
PSYCHOL 7205 Environmental Psychology	2
PSYCHOL 7206 Human Factors/Ergonomics	2
PSYCHOL 7207 Human Resource Management	2
PSYCHOL 7208 Individual and Organisational Change and Development	2
PSYCHOL 7209 Organisational Behaviour and Management	2
PSYCHOL 7210 Professional and Ethical Practice	2
PSYCHOL 7211 Psychological *assessment:* Recruitment and Personnel Appraisal	2

4.3.2 Placements

Three placements, as follows:

PSYCHOL 7221 Placement I	4
PSYCHOL 7222 Placement II	4
PSYCHOL 7223 Placement III	4

4.3.3 Research Project

PSYCHOL 7225A/B Research Project in Organisational Psychology and Human Factors	14

This program comprises a combination of coursework, supervised professional practice, and a research thesis on a topic related to organisational psychology and/or human factors. Further information is provided in the Handbook for this program, and this can be accessed through the Psychology Department web site: www.psychology.adelaide.edu.au/course info/studying.html

The program is designed to run in 2 year cycles, with 10 of the 11 compulsory Coursework courses to be offered in the first year. One of the placements will be undertaken during the second semester of the first year, and the other two will occur during the second year. The research project will be carried out over both semesters in the second year.

Each compulsory course involves a series of weekly 3 hour sessions of formal class contact, for 12 weeks of one semester. These contact sessions, in addition to material presented by lecture, may include activities such as practical exercises, demonstrations, and tutorial discussions.

prerequisites: except where specified, there are no 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.

Coursework courses

PSYCHOL 7201
Applied Methodology and Statistics

2 units semester 1

This course will provide students with the knowledge to undertake qualitative, survey, quasi-experimental and experimental research in applied settings. Using numerous examples drawn from psychology, economics, and other allied disciplines, the course will provide a comprehensive coverage in survey methods, data-collection strategies, sampling theory, and specific parametric and non-parametric techniques ideal for analysis in human factors research.

assessment: 2 written assignments and 1 statistical exercise

PSYCHOL 7202
Applied Perceptual and Cognitive Psychology

2 units semester 1

This course aims to examine models of human perception and cognition in their application to a variety of real-world problems. It is concerned with the measurement and understanding of perceptual and cognitive performance and decrement, the assessment and interpretation of confidence, and some properties and practical implications of theories of memory, learning and skill retention, problem solving, and human pattern recognition abilities. Throughout the course, emphasis will be given to applications, such as the measurement of perceptual thresholds, image recognition, target detection, the design of displays for the graphical representation of complex data, and the practical assessment of human cognitive capabilities.

assessment: two assignments

PSYCHOL 7203
Consumer Psychology

2 units semester 2

This course aims to consider the contribution of psychology to the study of economic behaviour. In the first part of the course, students will be introduced to the basic principles of micro-economic theory, including: normative decision-making theory; the laws of demand and supply; axioms of consumer behaviour; consumer surplus; risk-aversion and demand elasticities. The second part of the course will provide an overview of basic marketing principles and their applications. These theories and assumptions about human behaviour will be critically evaluated using psychological principles derived from several areas of psychology, including decision theory, learning theory and social psychology.

assessment: 2 written assignments

PSYCHOL 7204
Decision Making in Applied Situations

2 units semester 2

This course aims to examine models of human decision making in their application to a variety of real-world problems. It will develop an understanding of the way in which people make decisions in a variety of real-world situations. It will describe and critically evaluate a number of competing models of human decision making. Particular emphasis will be given to those models that consider the role that heuristics (rules-of-thumb) play in decision making, and to models that consider the way in which the environment guides decision making. Throughout the course, applications of the decision making models to real-world problems will highlighted, including examples

drawn from the domains of fire-fighting, human-computer interaction, and military decision making.

assessment: one assignment

PSYCHOL 7205
Environmental Psychology

2 units semester 1, second year

This course aims to provide students with an understanding of major areas of research into human interactions with their environment. Topics will include environmental perception and cognition, environmental stressors, environmental aesthetics, restorative effects of environments, wayfinding, and personal space and territoriality.

assessment: two written assignments

PSYCHOL 7206
Human Factors/Ergonomics

2 units semester 1

This course aims to provide an understanding of major areas of human factors, such as physical and psychological capabilities and limitations, and how applying human factors can optimise performance in a range of situations. It addresses how technology and instructional and control systems can be shaped to benefit human performance and includes information on how the human body works, how information is processed. Specific topics include the effects of ambient conditions, stimulus-response compatibility in a range of practical situations, human error, and accidents.

assessment: two written assignments

PSYCHOL 7207
Human Resource Management

2 units semester 2

This course examines how an organisation can maximise its returns from its workforce, and employees can maximise their returns from their work. It involves understanding all aspects of the management of people at work, including: planning, job analysis, recruitment and selection, training and development, performance management, remuneration and benefits, career development, and dealing with redundancies and retirement. The course will consider these issues as well as the implications of emerging organisational challenges for human resource management practices. These challenges include: the increasing use of contract staff and outsourcing; harnessing and sustaining organisational commitment; developing organisational cultures that are responsive to change; diversity in the workplace; harnessing innovation and knowledge management; globalisation of industry; and changing workplace practices.

assessment: individual and group assignment

PSYCHOL 7208
Individual and Organisational Change and Development

2 units semester 2

This course aims to provide knowledge of, and skills in using, behaviour management, skill training and adult learning techniques in organisations; an historical perspective on, and current issues concerning, change in organisations; knowledge of important factors associated with resistance to, and acceptance of, organisational change; an understanding of models of organisational change and the roles that organisational culture and leadership play in organisational change; and an understanding of organisational change processes, including planning, implementing and evaluation. Topics will include application of behaviour management and skill training principles in organisations; social skills training principles, practice and application; adult learning principles, practice and application; organisational change; organisational culture; and leadership.

assessment: 2 case studies 30% each, group exercise 40%

PSYCHOL 7209
Organisational Behaviour and Management

2 units semester 1

This course aims to provide students with an understanding of the factors that impact upon the behaviour of the individual in the workplace and how these same factors can be used to structure a work environment and work experience that enhances both organisational and individual outcomes. It includes a consideration of values and attitudes, perception, motivation, and personality. It also analyses interpersonal influences that impact upon group behaviour in the work setting. Topics covered include communication, decision-making, constructing work teams, leadership, issues in power and politics, and conflict resolution. In addition, it examines the influence of broader, organisation-wide factors on behaviour in the workplace, with a specific focus on "person-organisation fit". Topics covered in this section will include organisational structure and work design, organisational culture and workplace stress.

assessment: 2 case studies 30% each, critical review 40%

PSYCHOL 7210
Professional and & Ethical Practice

2 units semester 1

This course aims to familiarise students with the requirements of relevant professional and research organisations, and to make students aware of the values and thinking that underlie those requirements. It aims to develop students' sensitivity to ethical issues as these arise in the course of professional practice and research, and to develop appreciation of the complexity of problems that attend the practical application of ethical standards.

The course will also briefly cover the topics of communication and interviewing.

assessment: exercise in communication and one in interviewing

PSYCHOL 7211
Psychological Assessment: Recruitment and Personnel Appraisal

2 units semester 1

This course aims to introduce students to the principles of assessment by focussing on tests and procedures used in organisational settings. On completion of the course, students will be able to demonstrate an understanding of psychological assessment; an ability to score a test and draw inferences from the results in an hypothesis-generating and hypothesis testing framework appropriate to an organisational setting; and an ability to write a report of professional standard.

assessment: two small and one large practical exercises, to be completed outside of class times

Placements

PSYCHOL 7221
Master of Psychology (Organisational and Human Factors) Placement I

4 units semester 2

PSYCHOL 7222
Master of Psychology (Organisational and Human Factors) Placement II

4 units semester 1, year 2

PSYCHOL 7223
Master of Psychology (Organisational and Human Factors) Placement I Placement III

4 units semester 2, year 2

prerequisite: PSYCHOL 7210 Professional and Ethical Practice

Placements are arranged within approved agencies in South Australia, to reflect the requirements of the SA Psychological Board and the Australian Psychological Society (APS) College of Organisational Psychologists. Students are required to gain a broad experience of Organisational Psychology and Human Factors. More advanced work may be available to, or required of, students in Placement II and Placement III, as they gain experience in each placement. For further information, see the Program Handbook on the Psychology Department website.

assessment: terms of contract agreed to by field placement supervisor, student and university placement supervisor

Research project

PSYCHOL 7225A/B
Master of Psychology (Organisational and Human Factors) Research Project

prerequisite: PSYCHOL 7201 Applied Methodology and Statistics

This is an empirically-based research project on a topic of relevance to Organisational Psychology or Human Factors, pursued under the direction 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 in the form of a publishable article.

assessment: dissertation will be examined as specified by Academic Program Rule 3 of the degree

Master of Public Health

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 the University of Adelaide 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

4.1 Academic program

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

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 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 7118HO Public Health Studies	3
PUB HLTH 7121HO Health Program Evaluation	3
PUB HLTH 7123HO Rural Public Health	3
PUB HLTH 7124HO Population Health for Clinicians A	3
PUB HLTH 7125HO Population Health for Clinicians B	3
PUB HLTH 7126HO Quantitative Research in Practice	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.

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

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

courses of study

Availability of elective courses 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 website for up-to-date information: www.health.adelaide.edu.au/commedPublicHealth).

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

3 units summer semester

This course aims to provide students with a basic understanding of the core concepts in public health. It will begin with 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. After that, 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

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 those interested or working in public health 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

4 units semester 1

This course aims to help students analyse the public health 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.

Elective courses

DENT 7150HO
Dental Public Health

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 7031HO
Occupational Hygiene and Ergonomics

3 units semester 2

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 7104HO
Biostatistics

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, 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

3 units semester 2

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

3 units semester 2

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). The course is designed to present students with an up-to-date view of epidemiological research methods.

PUB HLTH 7107HO
Epidemiology of Infectious Diseases

3 units semester 2

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. 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

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

3 units semester 1

By focusing on the processes that help communities and individuals maintain and improve wellbeing, this course helps students understand the holistic nature of health promotion, of which disease prevention is but one of several components. The course consists of three sections. The first defines the concept, framework and scope of health promotion. The second discusses theories underpinning the practice of health promotion in the areas of community development, behaviour change, healthy public policy, environmental improvement, and reorientation of health care services. The third illustrates the application of health promotion strategies to specific groups, and points to the relevance of site-specific interventions.

PUB HLTH 7111HO
Industrial Toxicology

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
Environmental and Occupational Health

3 units semester 2

This course will introduce the stalwarts of environmental health, namely water quality and its 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. In the context of ambient and occupational exposure, we will examine occupational cancers and radiation. 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.

The course will include consideration of occupational diseases. Exposure to some environmental factors causing disease is sometimes most intense in workplaces. For example, asbestos exposure is heaviest in people who mine asbestos, and those who manufacture, use and remove asbestos-containing materials. A study of the relationship between occupational exposure and disease is therefore important in understanding the factors causing disease in the general environment.

PUB HLTH 7114HO
National Short Course Environmental Health

3 units semester 2

Intensive course held over 5 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

3 units semester 1

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. 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 7118HO
Public Health Studies

3 units semester 1 or 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 are 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 7121HO
Health Program Evaluation

3 units semester 2

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 assessment, 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 a 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, natal health, injury and health promotion programs.

PUB HLTH 7124HO
Population Health for Clinicians A

3 units semester 1 or 2

This course is designed to engage general medical practitioners and other health workers in population health issues and to encourage them to apply population health insights, skills and tools to their clinical practice. The course is currently available through paper-based distance education methods and also by online delivery on the World Wide Web, and may be made available on-campus. Students may select any two modules from: cardiovascular disease, cancer, chronic and complex diseases, diabetes, health promoting medical practices, or mental health.

PUB HLTH 7125HO
Population. Health for Clinicians B

3 units semester 1 or 2

This course has similar aims and modes of delivery to those of Population Health for Clinicians A. Subject to the approval of the program coordinator, students may select a further two modules from the list for that course.

PUB HLTH 7126HO
Quantitative Research in Practice

3 units semester 2

Qualitative research is central to current public health practice. This applied course will provide students with an introduction to the theory and process of qualitative research methods. Students will develop the skills to recognise and reflect on the strengths and limitations of different research methodologies, understand the links between theory and practice, critically assess research, and address ethical and practical issues. The course takes a step-by-step approach to the design and implementation of qualitative research and includes: formulating a research question; writing research and ethics proposals; conducting interviews, participant observation, focus groups, textual and media analysis; managing data (computer assisted); analysing data; and writing and presenting findings.

assessment: may include tutorial presentations, group projects, and a critical review of published research

Dissertation

PUB HLTH 7119HO
MPH Dissertation (Full-time)

Regular periodic meetings with supervisor/s

The subject takes the form of an extended essay (15,000-20,000 words) which provides evidence of the student's ability to group, synthesise and critically assess the major issues involved in the area treated or a minor research project which makes an original contribution to knowledge in a particular limited area.

The format in which the dissertation is presented for examination may vary according to the nature of the research activity and the conventions of the discipline in which it is undertaken.

assessment: dissertation; attendance at departmental research development seminars; submission of a satisfactory proposal and research plan within 6 weeks of enrolment (3 months for p/t student); presentation of a work in progress seminar within the department

PUB HLTH 7120HO
MPH Dissertation (Part-Time)

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

* exemptions will be rare but may be necessary in some circumstances to avoid significant disadvantage to a particular student.

Master of Surgery

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

2.1 The following persons may be accepted as candidates for the degree of Master of Surgery:

(a) Bachelors of Surgery of the University of Adelaide

(b) Graduates in surgery of another university who hold a degree which is accepted by the Council on the recommendation of the Faculty of Medicine as equivalent to the degree of Bachelor of Surgery of the University of Adelaide.

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.

3.7 Graduation

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.

4 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 Academic Program Rules for any particular award.

Master of Psychology (Clinical)/Doctor of Philosophy

Academic Program Rules

1 Duration of program

Except with the permission of the Faculty of Health Sciences and Faculty of Health Sciences and the Board of Research Education and Development (BRED), the coursework subjects of study and the research thesis shall normally be completed in not more than four years of full-time study.

2 Admission

2.1 An applicant for admission to the program of study for the combined degrees of Master of Psychology (Clinical) and Doctor of Philosophy shall have qualified for an Honours degree of Bachelor, with Honours in Psychology of First Class Standard, at the University of Adelaide, or for an Honours degree of another institution accepted for the purpose by the University. Applications from students with other qualifications will require the approval of the Faculty of Health Sciences and BRED.

2.2 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 the University of Adelaide.

2.3 Status, exemption and credit transfer

The Faculty of Health Sciences may grant such status as it may determine up to a maximum of 8 units for courses undertaken at another institution, provided that any such coursework has not been presented for another degree.

2.4 Intermission of candidature

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 period of candidature specified in Rule 3.1 will be adjusted accordingly by adding the length of the intermission.

2.5 Extension of candidature

A candidate may be granted, by the Board, only one extension of candidature of twelve months beyond the maximum period specified in Rule 3.1. If the thesis has not been submitted by the end of the extended period, the candidature will lapse.

2.6 Lapsed candidature

2.6.1 The candidature of a candidate who has not completed all the coursework and research requirements within twelve months of the approved enrolment duration, will be deemed to have lapsed.

2.6.2 A candidature which has lapsed will be resumed if the completed thesis, which has not departed from the field of study which was being pursued before the candidature lapsed, is subsequently submitted within two years from the date when the candidature lapsed to the Registrar, Graduate Studies. The thesis will only be accepted if the Department certifies that it is satisfactory to that Department. Any extension beyond the two years shall be determined on a case-by-case basis by the Board in consultation with the relevant Faculty/Department. Approval of the Board is required for resumption of a lapsed candidature under any other conditions. In special circumstances, the Board may approve the resumption of a lapsed candidature for one period of up to six months prior to the submission of the completed thesis.

3 Enrolment

A person shall not be enrolled as a candidate for the combined degrees unless the applicant's proposed field of study and research is acceptable to the Department responsible for the supervision of the candidate's work.

4 Assessment and examination

4.1 Each candidate shall in addition to completing coursework requirements, complete a Structured Program of research activities within the first twelve months from commencement of candidature.

4.2 Continuation of the candidate's enrolment is conditional upon the completion of the research activities to the satisfaction of the Department(s) concerned.

4.3 Such activities will be determined by the Department(s) in which the candidate is enrolled. They will include the completion and the presentation of a research proposal, and other courses or skills training deemed necessary by the Department(s) concerned.

4.4 At the completion of the Structured Program, each candidate shall submit to the BRED a research proposal in such form as the Board may prescribe.

4.5 Review of academic progress

4.5.1 A student who fails a course and desires to take this course again, shall attend the lectures and seminars and do such written and practical work as the teaching staff concerned may prescribe. No student shall be permitted to repeat a course more than once without the approval in writing of the Head of the Department concerned.

4.5.2 Attendance is required for at least 80% of the sessions in any compulsory or optional course. A student who fails to meet this requirement will be awarded the result of Incomplete Fail unless there are extenuating circumstances.

4.5.3 A formal review of a candidate's progress shall be conducted by the Department at least once a year in accordance with guidelines determined by the BRED and outlined in the Code of Practice for Maintaining and Monitoring Academic Quality and Standards in Higher Degrees. A written report of the review (on the prescribed Annual Review of Progress form) must be forwarded to the Registrar, Graduate Studies, by no later than 30 October each year. A candidate's re-enrolment in the following year is conditional upon him/her having attained satisfactory progress in the year of review.

4.5.4 If, in the opinion of the Faculty of Health Sciences and the BRED, a student for the combined degrees 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 degrees.

4.6 Intention to submit thesis

A candidate shall notify the Department of Psychology, in writing, approximately three months before he or she expects to submit the thesis required under Rule 15. A summary of the thesis, together with the proposed thesis title, should be submitted at the same time.

4.7 Assessment

4.7.1 There shall be one of two systems of classification of pass in individual courses for the combined degrees: either Satisfactory; or Pass with High Distinction, Pass with Distinction, Pass with Credit, and Pass.

4.7.2 On the 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. No thesis or material presented for any other degree within this or any other institution shall be so submitted. The Board shall prescribe the form in which the thesis shall be submitted and the number of copies to be submitted.

4.7.3 The thesis and any other material submitted shall be assessed by examiners external to the University.

4.8 Appointment of thesis examiners

4.8.1 Candidates shall have the right to submit objections to the appointment of potential examiners of their thesis. Any such objections should be submitted to the Department of Psychology, at the same time as the notification of intention to submit required under Rule 14.

4.8.2 The BRED shall appoint two thesis examiners who are external to the University, taking account of any objections raised under Rule 16.1 and the recommendations of the Head of the relevant Department.

4.8.3 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 18.

4.8.4 After consideration of the reports of the examiners, the Board may appoint a third external examiner and/or an external arbitrator.

4.9 The thesis

4.9.1 The thesis shall:

(a) display original and critical thought

(b) be a significant contribution to knowledge

(c) relate the topic of research to the broader framework of the discipline within which it falls *and*

(d) be clearly, accurately and cogently written and be suitably illustrated and documented.

4.10 Examination results

4.10.1 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 degrees *or*

(b) the candidate be awarded the degrees but that minor amendments be made to the thesis *or*

(c) the candidate be awarded the degrees 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 degrees but be permitted to re-submit the thesis for examination 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.

5 Qualification requirements

5.1 Unless exempted therefrom by the Faculty, all students will satisfactorily complete compulsory courses to the value of 12 units, elective courses to the value of 8 units, three 18-week periods (of 5 half-days per week or equivalent) of supervised placement (12 units) in institutions or organisations offering clinical psychological services approved by the Head of the Department of Psychology, and a research project (64 units).

5.2 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 Department of the University in which the candidate is registered.

5.3 Academic program

Unless exempted therefrom by the Faculty of Health Sciences, every student for the combined degree shall satisfactorily complete the following four components:

5.3.1 Compulsory courses

PSYCHOL 7008 Preparation for Psychological Practice	2
PSYCHOL 7019 Clinical Child Psychology	2
PSYCHOL 7020 Applied Methodology	2
PSYCHOL 7101A/B Adult Clinical Psychology	4
PSYCHOL 7108 Psychological Assessment	2

5.3.2 Elective courses

Four courses from the following:

PSYCHOL 7003 Psychological and Health Aspects of Ageing	2
PSYCHOL 7004 Rehabilitation and Disability	2
PSYCHOL 7005 Health Psychology	2
PSYCHOL 7012 Clinical Neuropsychology	2
PSYCHOL 7015 Preparation for Psychological Practice II	2

5.3.3 Placements

All placements are compulsory:

PSYCHOL 7111 Placement I	4
PSYCHOL 7112 Placement II	4
PSYCHOL 7113 Placement III	4

5.3.4 Research thesis

PSYCHOL 7002A/B Research Project in Clinical Psychology	64

5.4 Absence from the University

Except for remote candidates, the Board, on the recommendation of the Department concerned, may permit a candidate to pursue, away from the University, work connected with the research for the degrees. Such permission may only be granted when the candidate has completed or deemed to have completed the Structured Program.

5.5 Completion of thesis outside the University

A candidate who has completed all the coursework required for the combined degrees and whose research progress is sufficiently well advanced to permit the satisfactory completion of the thesis outside the University, may be granted permission by the BRED to complete the writing-up of the thesis outside the University. If such an application is approved, the candidate will be allowed either twelve months or until the end of any extension of candidature, which has been granted under Rule 11, 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.

5.6 Graduation

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.

6 Thesis

6.1 Deposit of thesis in the library

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.

6.2 Loan or photocopy of thesis

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 19 shall make written application to the Registrar, Graduate Studies, at the same time as he or she notifies his or her intention to submit under Rule 14. The withholding of such permission and the period of time involved shall be determined by the Board.

7 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 Academic Program Rules for any particular award.

compulsory courses

PSYCHOL 7008
Preparation for Psychological Practice

3 hours per week

This subject includes instruction and practice in basic interviewing and counselling skills. It also covers issues of relevance to professional practice such as professional ethics, requirements and responsibilities of psychologists, professional registration requirements. Models of psychological practice in relation to social contexts will also be covered.

assessment: written assignment relevant to material covered in course

PSYCHOL 7019
Child Clinical Psychology

3 hour session per week

This subject aims to provide theoretical knowledge and practical experience in child clinical psychology. The focus is on the assessment, treatment and conceptualisation of problems of children and adolescence with particular reference to risk factors in development, effects of the family context on children, behavioural and emotional problems in children, chronic illness and disability, health behaviours and adolescent lifestyle factors.

assessment: two assignments

PSYCHOL 7020
Applied Methodology (M)

3 hour session per week

The subject is aligned with the research component of training and builds on the knowledge and skills already gained. The acquisition and analysis of both numerical and verbal data are included. Topics are: multiple regression and causal models; general structural equation models; surveys and questionaires; sampling; program evaluation; single-case studies; meta-analysis; and discourse analysis.

assessment: three assignments

PSYCHOL 7101A
Adult Clinical Psychology Part 1

PSYCHOL 7101B
Adult Clinical Psychology Part 2

4 units full year

See Master of Psychology (Clinical) for syllabus details.

PSYCHOL 7108
Psychological Assessment

3 hours per week

This single semester subject aims to introduce students to the principles of assessment by focusing on a small number of widely used norm-referenced tests of abilities. On completion, students should: have practised giving tests to infants, children and adults; be able to score the tests covered and draw inferences from the results; be able to write a report of professional standard.

assessment: three assignments based on practical exercises

Elective courses

PSYCHOL 7003
Psychological and Health Aspects of Ageing

3 hours per week

This subject focuses on the psychological and health aspects of ageing. The aim is to introduce students to the field of clinical gerontology with particular emphasis being placed on the processes of normal ageing, and the assessment and treatment of various disorders and conditions of clinical concern. The first segment of the course will examine normal/healthy ageing and will consider such topics as physical and cognitive changes, relationships and sexuality in the elderly and cross-cultural aspects of ageing. The second segment will provide an overview of a number of areas that are of clinical concern and will introduce students to appropriate methods of assessment. Topics covered will include the dementias, mood disorders and anxiety disorders. The third segment will examine intervention strategies and will cover such topics as family interventions, cognitive behaviour therapy in the elderly, the treatment of behavioural disorders associated with dementia, and cross-cultural aspects of assessment and interventions.

assessment: two assignments

PSYCHOL 7004
Rehabilitation and Disability (M)

3 hours per week

This subject is designed to provide an overview of general principles and practice in rehabilitation. It is also designed to provide information on current issues in the rehabilitation of various types of disabilities.

Topics will include rehabilitation history and concepts, the psychological aspects of different types of disability and social problems, including cognitive, physical and personality aspect of handicapping conditions; the use of generic services; assessment, training and behaviour management principles and practice, including the use of individual rehabilitation plans, maintenance and generalisation of skills, staff training and program evaluation.

On completion of the subject, the student should be able to: demonstrate a basic understanding of the major principles of rehabilitation; describe the basic types of disabilities and their implications for rehabilitation; demonstrate knowledge of the basic practices of rehabilitation such as assessment, training, behaviour change and evaluation; demonstrate and understanding of current issues in the rehabilitation of different types of disabilities.

assessment: assessment and training exercises; group projects which will require students to write an account of current issues in one particular type of disability considered in the course

PSYCHOL 7005
Health Psychology

3 hour session per week

This subject examines the relationships of social, behavioural and cognitive variables to health. It covers those aspects of the social environment which influence health and illness outcomes including interactions between health care, consumers and providers. Risk factors for health compromising behaviours are also covered including strategies for their modification.

assessment: two written papers

PSYCHOL 7012
Clinical Neuropsychology

3 hour session per week

This subject will introduce students to the field of clinical neuropsychology with a particular emphasis on assessment. It will examine: the field of interest, the main purposes of neuropsychological assessment, the underlying assumptions in this field, the areas of cognitive functioning that are of interest to neuropsychologists, the behavioural geography of the brain, the neuropathology of brain damage, the notion of deficit measurement, and neuropsychological examination procedures. Moreover, it will introduce students to some of the main methods by which cognitive skills such as orientation, attention, memory language, construction, reasoning, executive functions, and motor skills are assessed. Students will be introduced to these assessment procedures in the context of disorders which are characterised by deficits in these areas. Case studies will be used to illustrate the cognitive deficits associated with each of these different disorders and to develop students skills in interpreting neuropsychological test data.

assessment: critical review of a commonly used neuropsychological test; write-up of neuropsychological report for a single patient

PSYCHOL 7015
Preparation for Psychological Practice 2 (R)

This subject changes the focus away from interactions between individual psychologists and clients, towards two different and related extensions of that model. Thus it examines both (a) the delivery of therapeutic interventions to groups of clients by one or two psychologists, and (b) psychological knowledge relevant to educating the public, promoting health and well-being and thus, to primary prevention of difficulties and disorders.

Content will include group dynamics (of both client groups and multidisciplinary teams), group-based behavioural psychotherapy, models of attitude change and behavioural influence, educative media campaigns, and the evaluation of all of these.

assessment: two written papers

Placements

PSYCHOL 7111
Master of Psychology (Clinical) Placement I

PSYCHOL 7112
Master of Psychology (Clinical) Placement II

PSYCHOL 7113
Master of Psychology (Clinical) Placement III

4 units each

See Master of Psychology (Clinical) for syllabus details.

Research thesis

PSYCHOL 7002A
Research Project in Clinical Psychology 1

PSYCHOL 7002B
Research Project in Clinical Psychology 2

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 Academic Program Rule 3 of the degree

Doctor of Medicine

Academic Program Rules

1 The following persons may be accepted as candidates for the degree of Doctor of Medicine:

(a) Bachelors of Medicine of the University of Adelaide

(b) Graduates in medicine of another university, but who have had a substantial association with the University of Adelaide, and who hold a degree which is accepted by the School of Medicine as equivalent to the degree of Bachelor of Medicine of the University of Adelaide.

1.1 Under normal circumstances, one would not expect this award to be given to an applicant with less than eight-years of highly productive and original research in the field of medicine. However, the Doctor of Medicine may be awarded, in exceptional cases, for shorter periods of outstanding work.

2 A candidate may only proceed to the award by the submission of previously published work.

2.1 A person who desires to become a candidate for the award shall give notice of the intended candidature, in writing, to the Adelaide Graduate Centre 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 Schoolís 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 Adelaide Graduate Centre three copies of the work prepared in accordance with the directions given in the Specifications for Thesis, the University of Adelaide's *Calendar 2003 Handbook of Postgraduate Programs*.

5 Graduation

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.

6 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 Academic Program Rules for any particular award.

Doctor of Nursing

Academic Program Rules

1 Duration of 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

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 Research Education and Development 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 Research Education and Development 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 Research Education and Development 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 Research Education and Development 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 Research Education and Development. 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 Adelaide Graduate Centre, 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 Adelaide Graduate Centre 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 the Adelaide Graduate Centre, 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 Research Education and Development.

5 Qualification requirements

5.1 Academic program

5.1.1 A candidate shall pursue a program of study and research approved by the Board of Research Education and Development in consultation with Head of the Department of Clinical Nursing.

5.1.2 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.

5.7 Graduation

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.

6 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 Academic Program Rules for any particular award.

core courses

CLIN NUR 8001HO
Contemporary Issues in Service Delivery

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

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

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%

Field based inquiry courses

CLIN NUR 8004HO
Field Based Inquiry in Nursing I

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

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.

Elder School of Music

Website: www.music.adelaide.edu.au

Contents

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

Doctor of Music

Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties.

2 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 Diploma in Digital Arts

Note: Postgraduate tuition fees apply to this program.

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) a Bachelor degree of the University of Adelaide from the School with results of above-average standard or

(b) the degree of the Bachelor of Arts of the University of Adelaide 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 the University of Adelaide which is accepted for the purpose by the Faculty *or*

(d) a degree in a relevant discipline of another institution which is accepted for the purpose by the Faculty.

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 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

5.1 Academic program

To qualify for the Graduate Diploma in Digital Arts a candidate shall satisfactorily complete the following courses:

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

5.2 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

5.3 Graduation

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.

6 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 Academic Program Rules for any particular award.

DIGARTS 6000
Creative Arts Theory IV

4 units not offered 2003

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

DIGARTS 6001A
Directed Study (Digital Arts) IV Part 1

DIGARTS 6001B
Directed Study (Digital Arts) IV Part 2

8 units not offered 2003

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

4 units not offered 2003

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
Multi Media Studio Techniques IV Part 1

DIGARTS 6003B
Multi Media Studio Techniques IV Part2

8 units not offered 2003

2 lectures, 6 hours self-study per week

Study of the theory and practice of creative arts using digital technology, applied to audio, video and animation, in live performance and in archivable digital media.

assessment: continuous assessment of studio competence; 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.

Graduate Diplomas in Music

Note: Postgraduate tuition fees apply to this program.

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) a Bachelor degree of Bachelor of Music (New) of the University of Adelaide which the Faculty judges to have been attained at above-average standard

(b) the degree of the Bachelor of Arts of the University of Adelaide 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 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 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 Calendar 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

or

one of the Musicology courses listed in 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:

Note: please see M.Music Theory for syllabus details

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 Academic Program Rule 5.6 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 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

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 6022 Chamber Music Recital IVB	8
PERF 6095 School Demonstration IV	4
PERF 6101 Chamber Music Recital IVA	4

5.9 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.

5.10 Graduation

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.

6 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 Academic Program Rules for any particular award.

Graduate Diploma in Chamber Music

Note: Postgraduate tuition fees apply to this program.

Syllabuses

ENSEMBLE 6070
Chamber Music IV

8 units not offered in 2003

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 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

8 units not offered in 2003

One public recital of 60 minutes duration.

assessment: performance result 80%, teacher's report 20%

PERF 6095
School Demonstration IV

4 units not offered in 2003

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

8 units not offered in 2003

Two public recitals of 50 minutes duration each.

Graduate Diploma in Conducting

Postgraduate tuition fees apply to this program.

Graduate Diploma in Conducting

Note: Postgraduate tuition fees apply to this program.

Syllabuses

MUSTH 6020
Tonal Analysis for Conductors IV

6 units not offered in 2003

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%

PERF 6040A
Conducting Class IV Part 1

PERF 6040B
Conducting Class IV Part 2

6 units not offered in 2003

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
Conducting Practicum IV Part 1

PERF 6047B
Conducting Practicum IV Part 2

12 units not offered in 2003

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

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%

Graduate Diploma in Intercultural Music Studies

Note: Postgraduate tuition fees apply to this program.

Syllabuses

ETHNO 4000
Intercultural Music Performance Workshop IV

3 units not offered in 2003

2 hour workshop a week

This workshop draws upon the musical skills of its participants. It aims to develop the communicative and interpretative skills of the performer taking into consideration the requirement of different performance contexts. Students will also have the opportunity to gain further musical skills from different cultures. This may be conducted in association with Asian Performance.

assessment: attendance and participation; lecture demonstration to 5638 Ethnomusicology IIIB

ETHNO 6022
Folk and Traditional Music of European Culture IV

3 units not offered in 2003

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

3 units not offered in 2003

Contact by consultation

The study of music of Aboriginal Australia in the traditional 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

3 units not offered in 2003

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

9 units not offered in 2003

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 IV A

6 units not offered in 2003

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

3 units not offered in 2003

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

6 units not offered in 2003

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 IV B

3 units not offered in 2003

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

3 units not offered in 2003

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

Note: Postgraduate tuition fees apply to this program.

Syllabuses

JAZZ 6032A
Jazz Performance IV Part 1

JAZZ 6032B
Jazz Performance IV Part 2

8 units full year

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
Jazz Piano Class IV Part 1

JAZZ 6033B
Jazz Piano Class IV Part 2

2 units full year

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
Large Jazz Ensemble IV Part 1

JAZZ 6046B
Large Jazz Ensemble IV Part 2

2 units full year

2 hours a week

Study and practical implementation of Big Band or similar Large Jazz Ensemble (eg. guitar band, jazz choir, keyboard orchestra) repertoire. Consistent study and practice of the elements comprising large jazz ensemble playing through rhythm exercises, intonation exercises, balance practice and sight reading.

assessment: continuous assessment in ensemble

JAZZ 6051A
Improvisation IV Part 1

JAZZ 6051B
Improvisation IV Part 2

3 units full year

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
Small Jazz Ensemble IV Part 1

JAZZ 6053B
Small Jazz Ensemble IV Part 2

4 units full year

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
Jazz Theory IV Part 1

JAZZ 6063B
Jazz Theory IV Part 2

3 units full year

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
Jazz History IV Part 1

JAZZ 6067B
Jazz History IV Part 2

2 units full year

2 hours a week

Analysis of various styles of jazz ranging from New Orleans to contemporary; musical concepts in jazz styles; the roles of instruments; study of set works.

assessment: 2000 word essay 35%, 1 hour listening and general knowledge test (may include style recognition) 20%, 2000 word analytic study or equivalent 35%, tutorial presentation 10%

Graduate Diploma in Music Education

Note: Postgraduate tuition fees apply to this program.

Syllabuses

JAZZ 6066 A
Jazz Education IV Part 1

JAZZ 6066 B
Jazz Education IV Part 2

6 units not offered in 2003

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
Comparative Music Education Methodologies IV Part 1

MUSICED 6025B
Comparative Music Education Methodologies IV Part 2

6 units not offered in 2003

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
Music Education Composition and Harmony IV Part 1

MUSICED 6048B
Music Education Composition and Harmony IV Part 1

6 units not offered in 2003

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
Music Education Dissertation IV Part 1

MUSICED 6050B
Music Education Dissertation IV Part 2

6 units not offered in 2003

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
Music Education IV Part 1

MUSICED 6060A/B
Music Education IV Part 2

6 units not offered in 2003

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
Conducting Methods IV Part 1

PERF 6023B
Conducting Methods IV Part 2

6 units not offered in 2003

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

Note: Postgraduate tuition fees apply to this program.

Syllabuses

MUSICOL 6011
History of Music Theory IV

3 units not offered in 2003

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

3 units not offered in 2003

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

3 units not offered in 2003

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

3 units not offered in 2003

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

MUSICOL 6045
Studies in Music History IVB

3 units not offered in 2003

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

3 units not offered in 2003

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
Music Analysis IV Part 1

MUSTH 6052B
Music Analysis IV Part 2

3 units not offered in 2003

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

Note: Postgraduate tuition fees apply to this program.

Syllabuses

ENSEMBLE 6009A
Ensemble/Orchestral Performance IV Part 1

ENSEMBLE 6009B
Ensemble/Orchestral Performance IV Part 2

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
Major Recital IV(A) Part 1

PERF 6008B
Major Recital IV(A) Part 2

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
Major Recital IV(C) Part 1

PERF 6010B
Major Recital IV(C) Part 2

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 which must also include a concerto or concerted work.

assessment: a public recital of 65 minutes duration

PERF 6012A
Short Recital IV Part 1

PERF 6012B
Short Recital IV Part 2

8 units full year

1 hour a week, concurrent with preparation for all diploma Performance courses

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
Concerto IV Part 1

PERF 6014B
Concerto IV Part 2

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. 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 Radio Broadcasting Studies

Note: Postgraduate tuition fees apply to this program.

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 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

5.1 Academic program

To qualify for the Graduate Diploma candidates shall complete the following courses to the satisfaction of examiners:

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

5.2 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.

5.3 Graduation

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.

6 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 Academic Program Rules for any particular award.

RADIO 6019
Radio Industry Practicum IV

2 units not offered in 2003

experience - 80 hours over 4 weeks

quota will apply

prerequisite: 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

3 units not offered in 2003

2 x 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)

RADIO 6024
Elective in Radio Production IV

2 units not offered in 2003

2 x 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

2 units not offered in 2003

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

2 units not offered in 2003

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

3 units not offered in 2003

2 x 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

2 units not offered in 2003

2 x 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

3 units not offered in 2003

2 x 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 feedback

assessment: interim practicums 20%, critical assignments 20%, live broadcast 60%

RADIO 6055
Radio Production IVB

3 units not offered in 2003

2 x 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.

Master of Music

Academic Program Rules

1 General

A candidate who fulfils the requirements of these 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 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 degree of Bachelor of Music (New) and has passed in

(i) all the degree courses that are compulsory for the Honours degree in the field to which his/her 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 the University of Adelaide *or*

(d) qualified for the Graduate Diploma in Musicology or Graduate Diploma in Intercultural Music or Graduate Diploma in Music Education.

2.3 A candidate who has obtained qualifications which fully or partly satisfy the requirements specified in 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 Academic Program Rules.

3 Admission

3.1 The Elder School of Music may accept as a candidate for the degree of Master of Music a person who

(a) has qualified in the University of Adelaide for the degree of Bachelor of Music (New), or Graduate Diploma in Music Education or Graduate Diploma in Musicology or Graduate Diploma in Intercultural Music or

(b) has obtained, in another university or institution recognised for the purpose, a qualification which is accepted by the Faculty as equivalent to the degree of Bachelor of Music (New) in the University of Adelaide.

3.2 In special cases the Board of Research Education and Development 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 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 Academic Program Rule 6 shall be examined as provided in Academic Program Rule 5.3.

5.2 On completion of work for the degree a candidate shall lodge with the Adelaide Graduate Centre three copies of his or her submission made in accordance with the requirements of 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 resubmission *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 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

6.1 Academic program

6.1.1 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.

(a) a folio of compositions or digital arts productions *or*

(b) a thesis on a topic in Musicology, Ethnomusicology, Music in Education, or 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.

6.1.2 Such other advanced coursework or seminar work as may be prescribed or approved in each individual case. Candidates taking Academic Program Rule 6.1(a) must present two seminar papers or a major analysis, not assessed by the external examiner.

6.2 Graduation

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.

7 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 Academic Program Rules for any particular award.

Notes (not forming part of the Academic Program Rules)

It is expected that the length of seminar papers will normally be approximately 5000 words.

Master of Music (Performance)

Note: Postgraduate tuition fees apply to this program.

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 the University of Adelaide at First Class or IIA standard *or*

(b) the Graduate Diploma in Music Performance of the University of Adelaide at a standard comparable to First Class or IIA Honours *or*

(c) a degree or diploma in Music of another institution accepted for the purpose by the University.

The Faculty reserves the right to require an acceptable level of performance at audition.

3.2 In special cases the Board of Research Education and Development 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 PERF 8087 Masters Recital A and PERF 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 Registrar 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 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 Academic Program Rules

(c) perform at a satisfactory standard at such public recitals as may be prescribed in the Academic Program Rules.

5.2 Academic program

Note: notwithstanding the Academic Program Rules and Syllabuses published in this volume, a number of courses listed may not be offered in 2003.

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

5.3 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.

5.4 Graduation

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.

6 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 Academic Program Rules for any particular award.

Notes (not forming part of the 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).

Compulsory courses

PERF 7003
Recital Studies II

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, attendance

PERF 7005
Recital Studies I

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, attendance

PERF 7015
Masters Recital A

4 units semester 1 or 2

1 hour a week individual tuition concurrent with PERF 7016 Master Recital B

restriction: 4623 Masters Recital VA

A selection of works from those prepared in Recital Studies I are chosen for presentation at a public recital. Details of the recital program must be submitted to the School Registrar 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 School.

Program notes are to be submitted for each work performed and should demonstrate careful research and independent thought. Students must avoid plagiarism. 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 may influence the result.

Note: the candidate's supervisor shall not be an examiner

PERF 7016
Masters Recital B

4 units semester 1 or 2

1 hour a week individual tuition concurrent with PERF 7015 Master Recital A

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 Registrar 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 School.

Program notes are to be submitted for each work performed and should demonstrate careful research and independent thought. Students must avoid plagiarism. 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 may influence the result.

Note: the candidate's supervisor shall not be an examiner

Elective courses

ETHNO 7000
Ethnomusicology Seminar V (C)

ETHNO 7004
Ethnomusicology Seminar V (A)

ETHNO 7017
Ethnomusicology Seminar V (B)

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)

MUSICED 7081
Music Education Seminar V(A)

MUSICED 7089
Music Education Seminar V(C)

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)

MUSICOL 7074
Musicology Seminar V(C)

MUSICOL 7086
Musicology Seminar V(A)

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)

MUSTH 7083
Music Theory Seminar V(B)

4 units not offered in 2003

See M.Mus.Th. for syllabus details

Master of Music Theory

Note: Postgraduate tuition fees apply to this program.

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 may accept as a candidate for admission to the program of study for the degree a person who has qualified for:

(a) the degree of Bachelor of Music (New), or Bachelor of Arts of the University of Adelaide, and in addition the Graduate Diploma in Music Theory *or*

(b) an award of another institution accepted for the purpose by the Faculty.

3.2 In special cases the Board of Research Education and Development, 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 Research Education and Development, terminate the candidature.

5.2 On completion of research work the candidate shall lodge with the Adelaide Graduate Centre 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

6.1 Academic program

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:

MUSTH 6006A/B Music Theory Research Project IV	6
MUSTH 6029 Music Theory Seminar IV	2
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
MUSTH 7069A/B Music Theory Thesis VA	12
MUSTH 7071 Music Theory Seminar VA	4
MUSTH 7084 Pedagogy of Music Theory V	4

and one elective course to the value of 4 units from one of the Masters programs offered by the School.

6.2 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.

6.3 Graduation

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.

7 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 Academic Program Rules for any particular award.

MUSTH 6006A/B
Music Theory Research Project IV

6 units not offered in 2003

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 tharmonic 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

4 units not offered in 2003

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

4 units not offered in 2003

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

4 units not offered in 2003

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

MUSTH 6042
Advanced Tonal Analysis IV

4 units not offered in 2003

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

4 units not offered in 2003

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.

MUSTH 7071
Music Theory Seminar V(A)

MUSTH 7083
Music Theory Seminar V(B)

4 units not offered in 2003

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

Doctor of Music

Academic Program Rules

1 (a) The Faculty of Humanities and Social Sciences may, on the recommendation of the Elder School of Music, accept as a candidate for the degree of Doctor of Music a person who:

(i) has qualified in the University of Adelaide for the degree of Bachelor of Music (New), or the degree of Master of Music *or*

(ii) has obtained another degree in the University of Adelaide and has satisfied the Faculty of his or her fitness to submit work for the degree of Doctor of Music.

(b) On the recommendation of the Faculty of Humanities and Social Sciences, the Board of Research Education and Development acting with authority wittingly devolved to it by Council may accept as a candidate for the degree a person who

(i) has obtained in another university or institution of higher education recognised by the University of Adelaide a qualification accepted by the Faculty as equivalent to one of the qualifications specified in (a) above *and*

(ii) has, or has had, a substantial association with the University.

(c) No person may be admitted to the degree of Doctor of Music before the expiration of five years from the date on which the qualification prescribed in (a) or (b) (i) above was obtained.

2 (a) A person who desires to become a candidate for the degree shall give notice of the intended candidature in writing to the Manager, Graduate Administration and Scholarships, Adelaide Graduate Centre and with such notice shall furnish particulars of his/her musical achievements and of the work to be submitted for the degree.

(b) The Elder School of Music shall appoint a committee to examine the information submitted and to advise the Faculty whether it should:

(i) allow the applicant to proceed, and approve the details of the work to be submitted *or*

(ii) advise the applicant not to submit his/her work; and the Faculty's decision shall be conveyed to the applicant.

(c) If the Faculty of Humanities and Social Sciences accepts the candidature and approves the details of the work to be submitted, the Elder School of Music shall nominate examiners of whom two at least shall be external to the University.

3 (a) To qualify for the degree the candidate shall furnish satisfactory evidence that he/she has made an original and substantial contribution of distinguished merit in the field of composition, performance, research or in any combination of these fields.

(b) The degree shall be awarded primarily on a consideration of such published or recorded compositions, recorded interpretations of music or published research as the candidate may submit for examination, but the examiners may take into account any unpublished material or other work submitted in support of the candidature.

(c) The candidate in submitting work for examination shall, where applicable, state generally in a preface and specifically in notes the main sources from which it is derived and the extent to which use has been made of the work of others. The candidate may also signify in general terms the portions of the work which he/she claims as original.

(d) The candidate shall indicate what part, if any, of the work submitted in support of the candidature has been accepted for the award of any other degree in this or any other university.

4 The candidate shall lodge with the Adelaide Graduate Centre three copies of the work prepared in accordance with the directions given in sub-paragraph (b) of clause 2B of Chapter XXV of the Statutes. If the work is accepted for the degree two of the copies will be transmitted to the University Library.

5 A candidate who complies with the foregoing conditions and satisfies the examiners may, on the recommendation of the Faculty Humanities and Social Sciences, be admitted to the degree of Doctor of Music.

6 Notwithstanding anything contained in the preceding rules the Faculty may recommend the award of the degree to any person who is not a member of the Staff of the University. Any such recommendation must be

accompanied by evidence that the person for whom the award is proposed has made an original and substantial contribution of distinguished merit to some branch of musical knowledge of a standard not less than that required by Regulation 3.

For further information please contact the Adelaide Graduate Centre.

Regulations allowed 17 December, 1970.

Amended: 15 Jan. 1976: 6; 4 Feb 1982: 2, 4; 24 Feb. 1983: 1, 2, 3; 21 Feb 1991: 1(b).

Rule approved and Regulation repealed 18 March 1999.

Faculty of Sciences

Website: www.science.adelaide.edu.au

Contents

Doctor of Philosophy

Ph.D.

Please refer to the Adelaide Graduate Centre (see Contents) for Academic Program Rules

Doctor of Science in the Faculty of Sciences

D.Sc.

Postgraduate awards in the Faculty of Sciences

Graduate Certificate

Graduate Diploma

Postgraduate Diploma

Masters

Each of which shall be defined by one of the following fields of study in agricultural and natural resource sciences

- Agricultural Biotechnology
- Agricultural Business
- Agronomy and Farming Systems
- Animal Production
- Crop Protection
- Horticulture
- Natural Resource Management
- Oenology
- Plant science
- Soil Management and conservation
- Spatial information and Conservation
- Veterinary Studies
- Viticulture
- Wine Business

Graduate Certificate in Petroleum Geology and Geophysics

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

Doctor of Science in the Faculty of Science

Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the Academic Program Rules to the Executive Deans of Faculties.

2 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.

Graduate Certificate
Graduate Diploma
Postgraduate Diploma
Masters by Coursework
in areas of Agricultural and Natural Resource Sciences

Academic Program Rules

1 Duration of Programs

1.1 Graduate Certificate

Except with the permission of the Faculty, the program for the Graduate Certificate will normally be completed in one semester of full-time study or not more than one year of part-time study.

1.2 Graduate Diploma

Except with the permission of the Faculty, the program for the Graduate Diploma will normally be completed in one year of full-time study or not more than three years of part-time study.

1.3 Postgraduate Diploma

Except with the permission of the Faculty, the program for the Postgraduate Diploma will normally be completed in one year of full-time study or the part-time equivalent.

1.4 Masters

Except with the permission of the Faculty, the program for the Masters degree by coursework will normally be completed in eighteen months of full-time study, depending on the nature of the project activity, and over not less than two and not more than five years of part-time study.

2 Admission

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 masters degree by coursework shall:

(a) have qualified for the Bachelor of Agricultural Science (Honours) or the Bachelor of Agriculture (Honours) or the Bachelor of Natural Resource Management (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 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.

2.6 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, Graduate Diploma, Postgraduate Diploma or Masters (by Coursework) a person who does not satisfy the requirements of 2.1, 2.2, 2.3 or 2.4 above but who has given evidence satisfactory to the Faculty of fitness to undertake work for the Graduate Certificate, Graduate Diploma, Postgraduate Diploma or Masters (by coursework).

2.7 Status, exemption and credit transfer

2.7.1 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.

2.7.2 A candidate who desires that work completed should be counted towards the requirements of these Academic Program Rules may, on written application to the Manager, Student Services and Marketing, be granted such exemption from the requirements as 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 Masters 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.

4 Assessment and examinations

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 Academic Program Rule a candidate who fails, without a reason accepted by the Executive 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 Masters 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*

(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.

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 Masters 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 Masters degree, the Postgraduate Diploma or the Graduate Diploma shall, on written application to the Faculty, 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 masters degree or the Postgraduate Diploma and who as such a candidate has not been awarded the masters degree or the Postgraduate Diploma shall, on written application to the Faculty, be permitted to transfer to the appropriate Graduate Diploma, subject to the student discontinuing candidature for the award of masters 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 masters degree and who as such a candidate has completed the work prescribed for the Postgraduate Diploma and who has not been awarded the masters degree shall, on written application to the Faculty, be awarded the appropriate Postgraduate Diploma, subject to the student discontinuing candidature for the higher award.

5.4 To qualify for the masters 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.

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 Masters degree by coursework shall surrender the Graduate Certificate or Postgraduate Diploma before being admitted to the masters degree.

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 7044WT Agricultural Business Management	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 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 7020RW Research Methodology	4
AGRONOMY 7021RW Irrigation Science	3

ANIML SC 7004RW Topics in Animal Science	3
ANIML SC 7011RW Comparative Animal Physiology	3
ANIML SC 7020RW Biotechnology in the Animal Industries	3
ANIML SC 7021RW Animal Health and Welfare	3
ANIML SC 7022RW Animal Nutrition and Metabolism	3
APP ECOL 7001RW Ecology and Management of Rangelands	3
APP ECOL 7002WT Insect Behaviour	3
APP ECOL7003WT 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 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 ECO 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 5900 The General Concepts of Chemistry	3
CHEM 5905 Teaching/Learning Chemistry in Secondary Schools	3
CHEM ENG 7010WT Winery Engineering III	3
GISC 5001 Advanced Raster Analysis	3
GISC 5013 Spatial Data Modelling and Analysis	3
HORTICUL 7000WT Production Horticulture	3
HORTICUL 7001 Horticultural Systems	3
HORTICUL 7043WT Postharvest Horticulture and Marketing	3
HORTICUL 7050WT Lifestyle Horticulture	3
HORTICUL 7052WT Olive Production and Marketing	3
OENOLOGY 7000WT Food Waste Management	1.5
OENOLOGY7002WT 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
OENOLOGY7022WT Cellar and Winery Waste Management	3
OENOLOGY 7028WT Introductory Winemaking	3
OENOLOGY 7040WT Sensory Evaluation of Foods	3
OENOLOGY 7048WT Advances in Oenology	3
PLANT SC 7002WT Plant Nutrition for Productive Systems	1.5
PLANT SC 7003WT Plant Tissue Culture and Transformation	1.5
PLANT SC 7004WT Mineral Nutrition of Plants	3
PLANT SC 7005WT Introductory Plant and Animal Breeding	3
PLANT SC 7007WT Genetic Technologies for Plant Improvement S	3
PLANT SC 7009WT Molecular Markers in Plant Breeding	1.5
PLANT SC 7010WT Crop Physiology III	3
PLANT SC 7011WT Advanced Plant and Animal Breeding	3
SOIL&WAT 7002WT Soil Management & Conservation	3
SOIL&WAT 7003WT Topics in Soil and Water	3
SOIL&WAT 7005WT Environmental Toxicology and Remediation	3
SOIL&WAT 7007WT GIS for Environmental Management	3
SOIL&WAT 7011WT Ecology and Management of Freshwater Systems	3
SOIL&WAT 7024WT Soil Ecology and Nutrient Cycling	3
SOIL&WAT 7025WT GIS for Agricultural Sciences	3
SOIL&WAT7020WT Soil Water Management	3
SOIL&WAT 7022WT Topics in Soil and Water B	3
SOIL&WAT 7023WT Topics in Soil and Water A	3
VITICULT 7002WT Viticultural Science	3
VITICULT 7007WT Viticultural Production A	3
VITICULT 7008WT Grape Industry Practice,Policy and Communication	1.5
VITICULT 7023WT Viticultural Production B	3
VITICULT 7024WT Table & Drying Grape Production	1.5
WINEMKTG 7003WT Advertising and Promotion	3
WINEMKTG 7005WT Wine & Food Tourism and Festivals B	3
WINEMKTG 7006WT Retail Management	3
WINEMKTG7015WT Issues in Wine Business	3
WINEMKTG 7031WT Topics in Agricultural Business B	3

WINEMKTG 7033WT Research Methodology and Methods	3
WINEMKTG 7034WT Winery Business Management	3
WINEMKTG 7039WT Applied Marketing Research	3
WINEMKTG 7041WT Topics in Agricultural Business A	3
WINEMKTG 7046WT Problems in Agricultural Business A	3
WINEMKTG 7047WT Problems in Agricultural Business B	3
WINEMKTG 7053WT Introduction to Managerial and Financial accounting	3
WINEMKTG 7054WT Legal Issues in Wine Marketing	3
WINEMKTG 7055WT Principles of Food and Wine Marketing	3
WINEMKTG 7056WT Internet Marketing and E-Commerce	3
WINEMKTG 7057WT Food Marketing	3
WINEMKTG 7058WT International Marketing of Wine and Agricultural Products	3
WINEMKTG 7059WT Strategic Marketing Management	3
WINEMKTG 7060WT Consumer Behavioural Analysis	3
WINEMKTG 7062W Microeconomic Principles	3

Research projects

AGRIC 7000ARW/BRW Project D (ANR)	8
AGRIC 7001ARW/BRW Project C (ANR)	6
AGRIC 7002ARW/BRW Project E (ANR)	9
AGRIC 7002AWT/BWT Project E (ANR)	9
AGRIC 7004ARW/BRW Project F (ANR)	12
AGRIC 7004AWT/BWT Project F (ANR)	12
AGRIC 7005ARW/BRW Project A (ANR)	3
AGRIC 7005AWT/BWT Project A (ANR)	3
AGRIC 7008ARW/BRW Project G (ANR)	21
AGRIC 7008AWT/BWT Project G (ANR)	21
AGRIC 7009ARW/BRW Project B (ANR)	4
AGRIC 7009AWT/BWT Project B (ANR)	4
AGRIC 7010RW/WT Project C (ANR) (One Semester)	6
AGRIC 7011RW/WT Project E (ANR)(One Semester)	9
AGRIC 7012RW/WT Project D (ANR) (One Semester)	6
AGRIC 7013RW/WT Project A (ANR) (One Semester)	3
AGRIC 7014RW/WT Project F (ANR)(One Semester)	12
AGRIC 7015RW/WT Project B (ANR) (One Semester)	4

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 Higher Degrees Committee.

6.5 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.

6.6 Graduation

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.

7 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 Academic Program Rules for any particular award.

Syllabuses

See Sciences syllabus entry, page 541, for details.

Graduate Certificate in Petroleum Geology and Geophysics

Academic Program Rules

1 Duration of program

Except with the permission of the Faculty 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 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 Executive Dean of Sciences (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 may require a candidate to undertake additional work needed as background to the program.

4.2 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

Syllabuses

See Sciences syllabus entry, page 541, for details.

Graduate Certificate in Physics

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, 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 the University of Adelaide or hold qualifications from another institution accepted by the University for the purpose; and obtained the approval of the Department of Physics and Mathematical Physics.

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 Academic program

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 Astrophysics	2.5
PHYSICS 7003 Atmospheric and Environmental 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 & Non-linear Optics	2.5
PHYSICS 7011 Nuclear and Radiation Physics	2.5
PHYSICS 7012 Nuclear Theory & 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 may require a candidate to undertake additional work needed as background to the program.

5.4 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.

5.5 Graduation

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.

6 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 Academic Program Rules for any particular award.

Syllabuses

See Sciences syllabus entry, page 541, for details.

Graduate Certificate in Science Education

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 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 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 Executive 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 Executive Dean of Sciences (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 5.7.1 or 5.7.2 below 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 Executive Dean (or nominee).

5.5 To complete a course of study, a candidate, unless exempted by the Faculty, shall:

(a) regularly attend the prescribed lectures, tutorials, workshops and seminars *and*

(b) undertake such computing work, practical work, field work and case studies, do such reading, written and oral work and pass such examinations, as the Faculty may prescribe.

5.6 The syllabus for each 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

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 Executive 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

optional courses

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

optional courses

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 Executive 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

5.8 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.

5.9 Graduation

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.

6 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 Academic Program Rules for any particular award.

Syllabuses

See Sciences syllabus entry, page 541, for details.

Graduate Diploma in Physics

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:

(a) have qualified for a degree of the University or for a degree of another institution accepted for the purpose by the University

(b) have obtained the approval of the Department of Physics and Mathematical Physics.

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 qualify for admission to the course 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) 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 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, 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..

4.4 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.

4.5 Graduation

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.

5 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 Academic Program Rules for any particular award.

Notes (not forming part of the Academic Program Rules)

The Honours options may be chosen from the following courses:

PHYSICS 7002 Astrophysics	2.5
PHYSICS 7003 Atmospheric and Environmental 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 Executive Dean (or nominee).

The number to be offered in any year will be dependent on staff availability and student demand.

Syllabuses

See Sciences syllabus entry, page 541, for details.

Master of Agricultural Science
Master of Applied Science

Academic Program Rules

1 Duration of Program

1.1 Except by special permission of the Faculty of Sciences, 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.

1.2 A candidate for the research degrees of Master of Agricultural Science or Master of Applied Science, except by permission of the Faculty, shall complete the whole of the work for the degree 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:

(a) this will result in academic benefit to the candidate

(b) there will be adequate contact and interaction between the candidate and the candidate's internal supervisor/s

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

2 Admission

2.1 An applicant for admission to the Master of Agricultural Science or the Master of Applied Science shall:

(a) have qualified for an Honours degree offered by the Faculty or its equivalent in an institution accepted for the purpose by the Faculty *or*

(b) have qualified for a Postgraduate Diploma of the University which contained a significant research component in the field of study of the proposed masters research or an equivalent award in an institution accepted for the purpose by the Faculty *or*

(c) have qualified for a Bachelor's degree of the University in an approved field of study or an equivalent award in an institution accepted for the purpose by the Faculty and have relevant professional experience.

2.2 With the approval of the Board of Research Education and Development, 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 Masters degree 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 Masters degree.

3 Enrolment

3.1 Every candidate for the Master of Agricultural Science or the Master of Applied Science shall apply to the Adelaide Graduate Centre for admission and:

(a) prior to enrolment indicate in general terms the course of the research work on which the candidate proposes to submit a thesis.

(b) provide certification from the Head of Department of the intended supervisor that:

(i) the applicant has shown evidence of ability to undertake work for the masters degree

(ii) the proposed research project is appropriate

(iii) there are available members of staff qualified and able to provide supervision of the proposed candidacy throughout its likely duration *and*

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

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

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

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

4 Assessment and Examination

4.1 On completion of the work for a research Masters degree the candidate shall inform the Head of Department concerned and lodge with the Adelaide Graduate Centre, three copies of the thesis prepared in accordance with directions given to candidates from time to time.

4.2 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 resubmit the thesis in revised form *or*

(e) not be awarded the degree.

The examiners of a thesis resubmitted 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.

4.3 Review of academic progress

The progress of each candidate in the research Masters 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 masters 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.

5.2 Graduation

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.

6 Special circumstances

When in the opinion of the Faculty special circumstances exist, the Council, on the recommendation of the Faculty in each case, may vary any of the provisions of the Academic Program Rules for any particular award.

Syllabuses

See Sciences syllabus entry, page 541, for details.

Master of Science

Academic Program Rules

1 Duration of program

A candidate for the Master of Science 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 Sciences, 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) persons qualified for the 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 the University of Adelaide may proceed to the degree of Master of Science in the Faculty of Science at the expiration of one year from the date of his or her admission to the Honours degree of Bachelor; no other candidate shall proceed to the degree before the expiration of two years from the date of the beginning of his or her candidature.

2.5 A person seeking enrolment as a candidate for the degree shall apply to the Adelaide Graduate Centre and shall submit as part of his or her application, a statement of his or her academic standing, accompanied, in the case of a person who is not a graduate of the University of Adelaide, by acceptable proof of such standing and an outline of the research work or investigation on which he or she intends to submit a thesis. The Faculty of Sciences, 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.

4.3 Graduation

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.

5 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 Academic Program Rules for any particular award.

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)

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 the University of Adelaide or of another institution accepted for the purpose by the University *or*

(b) The Faculty may accept as a candidate a person who has qualified for a degree of Bachelor of Science of the University of Adelaide, or another institution accepted by the University for the purpose, with a major sequence in Physics and appropriate professional experience *or*

(c) Subject to the approval of Council the Faculty may, in special cases and subject to such conditions (if any) as it may see fit to impose in each case, accept as a candidate for the degree a person who does not hold the qualifications specified in 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 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 Astrophysics	2.5
PHYSICS 7003 Atmospheric and Environmental 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:

PHYSICS 7017 Advanced Topic in Physics	8

(c) An approved research project with a value of 12 units:

PHYSICS 7016 Research Project (M.Sc.Physics)	12

5.4 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.

5.5 Graduation

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.

6 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 Academic Program Rules for any particular award.

Syllabuses

See Sciences syllabus entry, page 541, for details.

Master of Science (Medical Physics)

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 the University of Adelaide or of another institution accepted for the purpose by the University

(b) have qualified for a degree of Bachelor of Science of the University of Adelaide, or another institution accepted by the University for the purpose, with a major sequence in Physics and have appropriate practical experience.

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 the Adelaide Graduate Centre 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 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.

5.3 Unacceptable combinations of courses

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.

5.4 Graduation

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.

6 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 Academic Program Rules for any particular award.

Syllabuses

See Sciences syllabus entry, page 541, for details.

Master of Science in Petroleum Geology and Geophysics

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 the University of Adelaide or of another university *or*

(b) a degree of Bachelor of Science of the University of Adelaide or another university with a major sequence of study in Geology or Geophysics, and appropriate practical experience.

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 Executive 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 the Adelaide Graduate Centre 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 not accepted but the candidate be permitted to re-submit it in a revised form *or*

(d) 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 Academic Program Rule 5.2

(b) comply with conditions as prescribed in the 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 Every candidate for the degree shall complete the following:

(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

5.3 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.

5.4 Unacceptable combinations of courses

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.

5.5 Graduation

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.

6 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 Academic Program Rules for any particular award.

Syllabuses

See Sciences syllabus entry, page 541, for details.

Master of Science (Reservoir Geoscience)

Academic Program Rules

1 Duration of program

Except with the permission of the Faculty, 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:

(a) have qualified for an Honours degree of Bachelor of Science with honours in Geology or Geophysics of the University of Adelaide or of another institution accepted for the purpose by the University or

(b) have qualified for a degree of Bachelor of Science of the University of Adelaide, or another institution accepted by the University for the purpose, with a major sequence of study in Geology or Geophysics, and appropriate practical experience.

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 Sciences, 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 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 the Adelaide Graduate Centre 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 Sciences, 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 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.

5.3 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.

5.4 Graduation

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.

6 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 Academic Program Rules for any particular award.

Syllabuses

See Sciences syllabus entry, page 541, for details.

Doctor of Science in the Faculty of Sciences

Academic Program Rules

1 (a) Subject to these Academic Program Rules a person who has been admitted in the University of Adelaide to an Honours degree of Bachelor or a degree of Master in Science, Agricultural Science, Applied Science or Engineering, or to the degree of Doctor of Philosophy in a field of study approved by the Faculty of Sciences, may proceed to the degree of Doctor of Science in the Faculty of Sciences.

(b) On the recommendation of the Faculty of Sciences the Council may accept as a candidate for the degree a person who has been admitted to a degree in the University of Adelaide other than one named in section (a) of this regulation, or who has qualified for a degree of another university or institution of higher education recognised by the University of Adelaide and has had a substantial association with the University; provided that in each case the person concerned has, in the opinion of the Faculty, had an adequate scientific training.

(c) On the recommendation of the Faculty of Sciences the Council may, in special cases, accept as a candidate for the degree a person who does not hold a degree of a University or institution of higher education, provided that in each case the candidate concerned has a substantial association with the University and has, in the opinion of the Faculty, adequate scientific credentials.

(d) Except where a person has been accepted as a candidate under regulation 1(c), no person shall be accepted as a candidate for the degree of Doctor of Science in the Faculty of Sciences before the expiration of five years from the date of original graduation.

2 (a) A person who desires to become a candidate for the degree shall give notice of the intended candidature in writing to the Manager, Graduate Administration and Scholarships, Adelaide Graduate Centre and with such notice shall furnish particulars of his/her scientific achievements and of the work to be submitted for the degree.

(b) The Faculty of Sciences shall appoint a committee to examine the information submitted and to advise the Faculty on whether the Faculty should:

(i) allow the applicant to proceed, and approve the subject or subjects of the work to be submitted *or*

(ii) advise the applicant not to submit his/her work *or*

(iii) not allow the applicant to proceed; and the Faculty's decision shall be conveyed to the applicant.

(c) If the Faculty approves the subject or subjects of the work and the candidate proceeds with the submission the Faculty shall nominate examiners of whom one at least shall be an external examiner.

3 (a) To qualify for the degree the candidate shall furnish satisfactory evidence that he/she has made an original contribution of distinguished merit adding to the knowledge or understanding of any subject with which the Faculty is directly concerned.

(b) The degree shall be awarded primarily on a consideration of such published works as a candidate may submit for examination.

(c) The candidate in submitting published works shall state generally in a preface and 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.

(d) The candidate is required to indicate what part, if any, of the work has been submitted for a degree in this or any other university.

4 The candidate shall lodge with the Adelaide Graduate Centre three copies of the work prepared in accordance with the directions given in sub-paragraph (b) of clause 2B of Chapter XXV of the Statutes. If the work is accepted for the degree two of the copies will be transmitted to the University Library.

5 A candidate who complies with the foregoing conditions and satisfies the examiners may, on the recommendation of the Faculty of Sciences, be admitted to the degree of Doctor of Science in the Faculty of Sciences.

6 Notwithstanding anything contained in the preceding rules, the Faculty may recommend the award of the degree to any person who is not a member of the staff of the University. Any such recommendation must be accompanied by evidence that the person for whom the award is proposed has made an original and substantial

contribution of distinguished merit to the knowledge or understanding of a subject with which the Faculty is directly concerned, of a standard not less than that required by Regulation 3.

For further information please contact the Adelaide Graduate Centre.

Regulation allowed 4 November, 1965.

Amended: 28 Feb. 1974: 1, 5; 23 Jan. 1975: 1; 15 Jan. 1976: 6; 4 Feb. 1982: 2, 4; 24 Feb. 1983: 2.21 Feb. 1991: 1; 13 Feb. 1992: 1(b).

Rule approved and Regulation repealed 18 March 1999.

AGRIBUS 7009WT
Issues in Australian Agribusiness

3 units semester 2

2 lectures, 1 tutorial per week

assumed knowledge: general marketing concepts

Content as AGRIBUS 2004WT Issues in Australian Agribusiness II.

assessment: to be advised

AGRIBUS 7012WT
International Agri-Business Environment

3 units semester 2

3 hours lectures/seminars per week

This course provides an overview of the international business environment within which agribusinesses function. Topics include Australian trade and investment policies, international cooperation arrangements, legal and political issues, cross-cultural issues, strategies for entering foreign markets, strategic alliance issues, logistics, international human resource management issues, regional case studies. Student seminar presentations are a critical component of this course.

AGRIBUS 7044WT
Agricultural Business Management

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

AGRIC 7003RW
Seminars: Agricultural & Natural Resource Sciences

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 7007RW
Research Proposal

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
Rural Sociology Part 1

AGRONOMY 7000BRW
Rural Sociology Part 2

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

3 units semester 1

2 hrs lectures; 4 hrs associated practical work excursions per week

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

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 non-government organisations, and participation at the community level.

assessment: as arranged by supervisor/lecturer

AGRONOMY 7004ARW
Advanced Agronomy Part 1

AGRONOMY 7004BRW
Advanced Agronomy Part 2

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 7008RW
Agroforestry Research Principles

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 socio-economic 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

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
Development of New Crops and Markets Part 1

AGRONOMY 7012BRW
Development of New Crops and Markets Part 2

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. International influences, 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 7013ARW
Crops and Pastures G Part 1

AGRONOMY 7013BRW
Crops and Pastures G Part 2

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 7016ARW
Communications and Agricultural Extension Part 1

AGRONOMY 7016BRW
Communications and Agricultural Extension Part 2

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

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 7018ARW
Agricultural Engineering Part 1

AGRONOMY 7018BRW
Agricultural Engineering Part 2

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 7020RW
Research Methodology

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 7021WT
Irrigation Science

3 units semester 1

6 hours per week

prerequisite: AGRONOMY 2012RW Engineering Science or AGRONOMY 1001RW Engineering in Agriculture or CHEM ENG 1001 Engineering Physics or Engineering Principles.

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 7004RW
Topics in Animal Science

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 7011RW
Comparative Animal Physiology

3 units semester 1

6 hours per week

assumed knowledge: ENV BIOL 1001 Biology I, or APP ECOL 1004RW Cell Biology and Genetics and APP ECOL 1003RW Biology of Plants and Animals

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: exam 30%, practicals 40%, assignments 30%. A minimum pass mark will be advised

ANIML SC 7020RW
Biotechnology in the Animal Industries

3 units February workshop

assumed knowledge: ANIML SC 2029WT Genes and Inheritance or equivalent

The application of biotechnology to the animal industries will be examined. Challenges facing the intensive and extensive livestock industries will be explored, discussed and debated in the context of biotechnologies that may be applied in these industries.

The technologies of artificial insemination, in-vitro fertilization, embryo transfer and animal cloning are introduced with some practical exposure. The use of reproductive and genetic technologies to maximise responses to selection are examined for a range of livestock industries. The design of breeding programs will be explained including definition of breeding objectives.

assessment: written assignment, practical report. A minimum pass mark will be advised

ANIML SC 7021RW
Animal Health and Welfare

3 units semester 2

assumed knowledge: ENV BIOL 1000A/B Biology I; APP ECOL 1004RW Cell Biology and Genetics and APP ECOL 1003RW Biology of Plants and Animals.

restriction: ANIML SC 3010RW Diseases and Nutrition of Livestock

Diseases of farm animals caused by viral, bacterial, fungal and parasitic infections, metabolic disturbances, trace element deficiencies and genetic diseases. 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.

assessment: exam, assignments, case studies. A minimum pass mark will be advised

ANIML SC 7022RW
Animal Nutrition and Metabolism

3 units semester 2

assumed knowledge: ENV BIOL 1000A/B Biology I or APP ECOL 1004RW Cell Biology and Genetics and APP ECOL 1003RW Biology of Plants and Animals.

restriction: ANIML SC 3010RW Diseases and Nutrition of Livestock

This course will discuss the principles and application of animal nutrition across a range of species, focusing mostly, although not exclusively, on livestock species. Students will develop an understanding of the nutritional components of feedstuffs and nutrient requirements, including requirements for energy, protein, carbohydrate, fat, minerals and vitamins. The effects of nutrient supply on growth, reproduction, body composition (eg. fatness), health and welfare and product quality (for agricultural animals) are considered. The hormonal regulation of nutrient partitioning is also discussed, with particular reference to the changing requirements associated with growth, pregnancy and lactation. The role of nutritionists in animal-based enterprises, including the use of least-cost ration formulation is discussed. The course includes lectures and practicals, including hands-on animal trials.

assessment: exam, practicals, assignments

APP ECOL 7001RW
Ecology and Management of Rangelands

3 units winter vacation

(including 10-day field camp - Middleback Field Centre)

assumed knowledge: APP ECOL 2010WT Population Ecology or SOIL&WAT 2001RW 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

3 units semester 2 (odd years only)

2 lectures, 4 hours of project work a week

prerequisite: ENV BIOL 3011 Biology and Diversity of Insects

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

3 units semester 2

2 lectures, four hour practical per week

prerequisite: APP ECOL 2003WT General Microbiology II

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

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

3 units semester 2 (even years only)

6 hours per week

prerequisite: ANIML SC 2005WT Agricultural Zoology II or APP ECOL 3018WT Agricultural Zoology (Invertebrates), and APP ECOL 2003WT General Microbiology II, or ENV BIOL 2000 Zoology II, or APP ECOL 2013RW 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 7006WT
Integrated Pest Management A

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

3 units semester 1

2 lectures, four hour practical per week

prerequisite: APP ECOL 2003WT General Microbiology II

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 APP ECOL 3005WT 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 7010WT
Topics in Crop Protection

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 II

3 units semester 2 (internal or external)

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

3 units semester 1 (even years only)

2 lectures, 4 hours of practical/tutorial per week

prerequisite: APP ECOL 2003WT3689 General Microbiology II (pre 1992: 5677 Agricultural Microbiology and Zoology) or equivalent

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
Integrated Weed Management Part 1

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

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 & Environmental Management

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

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

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

3 units semester 2 (even years only)

3 lectures, two hour tutorial per week

prerequisite: BIOMET 3000WT 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 5900
The General Concepts of Chemistry

3 units not offered in 2003

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

3 units not offered in 2003

The course is designed to provide the understanding and skills needed to present chemistry to students as a significant and important science.

CHEM ENG 7010WT
Winery Engineering III

3 units semester 1

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

prerequisite: AGRONOMY 2012RW Engineering Science or CHEM ENG 1001 Engineering Physics, or equivalent

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

3 units semester 2

15 hours lectures, 20 hours practicals

prerequisite: Introduction to Spatial Information Systems; Spatial Data Modelling and Analysis

This unit carries on form 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 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 5013
Spatial Data Modelling and Analysis

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: practical assignments 70%, exam 30%

HORTICUL 7000WT
Production Horticulture

3 units semester 2 (even years only)

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

assumed knowledge: PLANT SC 2001WT Agricultural Botany or APP ECOL 1003RW Biology of Plants and Animals

The subject examines production of commercial fruit, vegetable and nut crops including limits to production and characteristics for cultivars, management and irrigation, harvesting and marketing. Crops considered include citrus, apple and pears, grape vines, soft vines (berries), stone fruits, almond, walnut, macadamia, pecan, pistacio, and the tropical fruit, pineapple, banana, mango, lychee and avacado. Vegetables include tomato, potato, brassicas, cucurbits, lettuce and the onion group.

assessment: exam 70%; assignments 30%

HORTICUL 7001WT
Horticulture Systems

3 units semester 1 (odd years only)

2 lectures, 4 hours practicals per week

assumed knowledge: PLANT SC 2001WT Agricultural Botany or APP ECOL 1003RW Biology of Plants and Animals

The importance of horticulture to the community, sustainability and economic value, horticultural production areas and environmental factors involved. Fruit crop growth and its control using cultural and chemical methods. Horticultural propagation methods. The basis of production systems which include horticulture, and systems which combine different types of horticulture. Plant improvement and breeding. The significance of pollination to horticulture.

assessment: mid-semester exam, final exam, assignments

HORTICUL 7043WT
Postharvest Horticulture and Marketing

3 units semester 2 (odd years only)

2 lectures, 4 hours practicals or equivalent per week

assumed knowledge: PLANT SC 2001WT Agricultural Botany or APP ECOL 1003RW Biology of Plants and Animals

Postharvest system, fruit morphology and structure, fruit development, respiration and postharvest hormones; postharvest temperature, water and gas stress, postharvest light, irradiation, gravity, mechanical pathogenic and physiological stresses; harvesting, preparation and packaging technology, cooling technology and storage and transport technology; nutrition and food safety; processing and waste minimisation; domestic and export marketing, wholesaling and retailing. The course normally includes visits to horticulture enterprises.

assessment: exam 60%; assignment 40%

HORTICUL 7050WT
Lifestyle Horticulture

3 units semester 1 (even years only)

2 lectures, 4 hour practical per week

assumed knowledge: PLANT SC 2001WT Agricultural Botany or ENV BIOL 2002 Botany EB II

restriction: HORTICUL 3047WT Ornamental Horticulture

Garden history: English, French, Italian, Chinese, Japanese, Islamic, dry-land garden and fire safety, management of parks and gardens; landscaping: design, planting principles, maintenance throughout the year; turf grass; orchard and vineyard: design, establishment, management throughout the year, crop utilisation, organic production, vegetable and herb gardens: design, plant selection and utilisation, management throughout the year; protected culture of ornamental plants, flowers: plants, production management, pot plants: plants, production management, flower care: postharvest floriculture.

assessment: final exam, two assignments

HORTICUL 7052WT
Olive Production and Marketing

3 units July

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 55%; practical reports 45%

OENOLOGY 7000WT
Food Waste Management

1.5 units semester 1 (weeks 7-12)

2 lectures, 4 hours of practicals per week

assumed knowledge: FOODT&M 3003RG Food Preservation and Packaging

Treatment of water for food processing. Food processing waste handling, minimisation and utilisation. Control of air and water pollution; control equipment; primary, secondary and tertiary waste-water treatment; landfill and hazardous wastes. Reuse and reclamation of water.

assessment: exam, practical reports, tutorial papers

OENOLOGY 7002WT
Vineyard and Winery Operations I

3 units semester 2 (external only: 5 day residential school)

prerequisite: OENOLOGY 1000WT Introductory Grape and Wine Knowledge

Climatic requirements for grapevines; 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. Practical sessions relate to lecture topics and include viticulture exercises and wine sensory evaluation.

assessment: semester written exams, practical tests

OENOLOGY 7003WT
Vineyard and Winery Operations II

3 units semester 1 (external only: 4 day residential school)

prerequisite: OENOLOGY 1001WT Vineyard and Winery Operations I

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: semester written exams, practical tests and reports

OENOLOGY 7004WT
Wine Packaging and Quality Management

3 units semester 2

2 lectures, 4 hours practicals/field trips per week

prerequisite: OENOLOGY 3007WT 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

3 units semester 1

2 lectures, 4 hours practicals a week

prerequisite: OENOLOGY 2024WT 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

3 units semester 1

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

prerequisite: OENOLOGY 2024WT Introductory Winemaking.

corequisite: OENOLOGY 3016WT Cellar and Winery Waste Management, OENOLOGY 3007WT 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 and presentations

OENOLOGY 7019WT
Sensory Studies

3 units semester 2

2 lectures, 4 hours practical a week

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, sensory test methods, 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 report, tasting tests, group presentation, written exam

OENOLOGY 7022WT
Cellar and Winery Waste Management

3 units semester 1

2 lectures, 4 hours practicals per week

prerequisite: OENOLOGY 2024WT Introductory Winemaking

restriction: OENOLOGY 3016WT Cellular Management (4880)

Vintage planning; occupational health and safety, winery record keeping; microbial control, cellular hygiene; winery waste management.

assessment: final exam, practical reports and tutorial papers

OENOLOGY 7028WT
Introductory Winemaking

3 units semester 2

2 lectures, 4 hours practicals a week

prerequisite: CHEM 1001A/B Chemistry I ANR or CHEM 1000A/B Chemistry I

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 7040WT
Sensory Evaluation of Foods

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 7048WT
Advances in Oenology

3 units semester 2

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

prerequisite: OENOLOGY 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

PETROL 7000TB
Petroleum Geology and Geophysics (B)

PETROL 7001TB
Petroleum Geology and Geophysics (A)

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.

PHYSICS 5901
Concepts of Physics (Science Education)

3 units not offered in 2003

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

3 units not offered in 2003

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.

PHYSICS 7002
Astrophysics

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
Atmospheric and Environmental Physics

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

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

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

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

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

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

2.5 units semester 1 or 2

An outline of differential geometry with applications to General Relativity, including the Schwartzchild solutions, weak fields and gravitational waves.

assessment: written exam, marked assignments

PHYSICS 7010
Laser Physics and Non-Linear Optics

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

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

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

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 & Particle Physics

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

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)

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

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.

PHYSICS 7018
Radiation Biology, Protection and Epidemiology

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 and 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%

PHYSICS 7019
Environmental and Mining Health Physics

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

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 (cinefluorography, mammography, axial tomography, TV techniques, stereoscopy and subtraction techniques). Xeroradiography, computerised tomography and digital techniques. Theory of image processing, 3-D reconstruction and rendering, cost/benefit and risk analysis. Quality assurance and ethics.

assessment: assignments 40%, written exam 60%

PHYSICS 7021
Radiotherapy Physics

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, brachitherapy, shielding calculations in medical equipment installations.

PHYSICS

Anatomy and Physiology M

semester 2

Lectures, tutorials and practicals

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 elsewhere.

PLANT SC 7002WT

Plant Nutrition for Productive Systems

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/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

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

3 units semester 2

2 lectures, 4 hours practicals a week

prerequisite: PLANT SC 2001WT Agricultural Botany; or APP ECOL 1003RW Biology of Plants and Animals; or equivalent

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

Introductory Plant and Animal Breeding

3 units semester 1

2 lectures, 4 hours of practicals a week

assumed knowledge: GENETICS 2003 Basic Genetics or GENETICS 2000A/B Genetics II or ANIML SC 2029WT Genes and Inheritance

restriction: PLANT SC 3007WT Principles of 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 7007WT

Genetic Technologies for Plant Improvement

3 units semester 2

See Department of Plant Science for Syllabus entry

PLANT SC 7009WT

Molecular Markers in Plant Breeding

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

3 units semester 2 (even years only)

2 lectures, 4 hours practicals a week

prerequisite: PLANT SC 2001WT Agricultural Botany or AGRONOMY 2000ARW/BRW 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: exam 50%, essay 15%, practical reports 35%

PLANT SC 7011WT
Advanced Plant and Animal Breeding

3 units semester 2

prerequisite - PLANT SC 3007WT Introductory Plant and Animal Breeding

This course is aimed primarily at those interested in a career in plant or animal breeding wishing to develop specialised skills in strategies and technologies which can be applied to breeding of plants, including field crops and horticultural crops and in animal breeding and selection. The lectures will cover advanced breeding techniques (hybrids, heterosis, male sterility); special techniques (mutations, polyploidy, cytogenetics, reproductive technologies); application of molecular technologies (QTL analysis, marker assisted selection, pedigree analysis, association genetics and mapping); the physiological, molecular and genetic basis of resistance to pests, parasites and disease; the statistical and genetic basis of genotype x environment interaction and breeding for end-product quality. The practical program includes field trips to a number of practical plant and animal breeding projects, computer based simulation studies and interactive tutorials.

assessment: practical 25%; mid-semester exam 10%; essay 15%; final exam 50%

SOIL&WAT 7002WT
Soil Management and Conservation

3 units semester 1

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

prerequisite: SOIL&WAT 2005WT Soil Resources (or SOIL&WAT 1000RW Soils and Land Management Systems II)

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

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 and Remediation

3 units summer semester

prerequisite: credit or higher in PLANT SC 1001RW Chemistry and Introductory Biochemistry A or a pass in CHEM 1000A/B Chemistry I or CHEM 1001A/B Chemistry IANR OR equivalent

restriction: SOIL&WAT 3004WT Environmental Toxicology (4234)

The goals of this course are to provide students with an understanding of the monitoring, fate and risk assessment of contaminants in environmental and biological systems. Classes of contaminants discussed include heavy metals, pesticides, and

other water-, soil- and food-borne toxicants. The properties of contaminants which influence their environmental distribution and transformations and the characteristics of the environment which influence contaminant toxicity to organisms are discussed. Students are introduced to the principles of toxicology necessary for an understanding of the environmental consequences of contaminants.

assessment: theory; practicals/assignments

SOIL&WAT 7007WT
GIS for Environmental Management

3 units summer semester

10 days during the summer vacation

assumed knowledge: basic computing skills in the Windows environment

restriction: SOIL&WAT 3014WT GIS for Agricultural Sciences

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 form 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, written exam

SOIL&WAT 7011WT
Ecology & Management of Freshwater Systems III

3 units semester 1

2 lectures, 4 hours laboratory and field practicals per week

assumed knowledge: ENV BIOL 2003 Ecology EBII or APP ECOL 2010RW 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:
www.waite.adelaide.edu.au/Soil_Water/Fredrich/Freshwater.html

assessment: project seminar, assignment, written test

SOIL&WAT 7020WT
Soil Water Management

3 units semester 2

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

prerequisite: SOIL&WAT 2005WT Soil Resources

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, tutorials, practical reports

SOIL&WAT 7022WT
Topics in Soil and Water B

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 7023AWT
Topics In Soil &Water A Part 1

SOIL&WAT 7023BWT
Topics In Soil &Water A Part 2

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

SOIL & WAT 7024WT
Soil Ecology and Nutrient Cycling

3 units semester 1

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

prerequisite: SOIL&WAT 2005WT Soil Resources (or SOIL&WAT 1000RW Soils, and Land Management Systems II).

The course will provide students with a comprehensive view of ecological interactions in soils. It deals with the interactions between plants, soil and soil organisms, the roles played by soil organisms in decomposition of organic material, nutrient cycling (C, N, P) and stability of agricultural and natural ecosystems. Other topics include food webs, the importance of soil organisms for soil fertility, mycorrhizas and their effects on plant productivity and plant communities, bio-control and bioremediation, root growth and the biology of the rhizosphere.

SOIL&WAT 7025WT
GIS for Agricultural Sciences

3 units semester 1

assumed knowledge: basic computing skills in the Windows environment

restriction: SOIL&WAT 3007WT GIS for Environmental Management, SOIL&WAT 3014WT G.I.S for Agricultural Sciences

Geographic information systems have become an important tool far beyond the geographic disciplines. Applications in the agricultural sciences range from simple cartographic tools to precision fertilizer applications and growth models. This course gives an overview of the history and the rapid recent development of this technology and gives examples of commercially available state-of-the-art equipment. Hands on computer exercises involve data capture, processing and presentation of results. Special emphasis is placed on precision agriculture and the optimal and timely treatment of spatial variability in agricultural production systems. Students will learn what can be seen from space and airborne remote sensing and how this information can be combined with other sources of information in order to minimise effort and optimise production.

assessment: case study; practical assessments; written exam

VITICULT 7002WT
Viticultural Science

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

prerequisite: ENV BIOL 1000A/B Biology I

Growth and development of the grapevine with particular emphasis on flowering and fruiting. Floral initiation in relation to environmental control and vegetative growth. Grape leaf function in terms of sugar production and water use, related to canopy architecture. 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

3 units semester 2

even years only

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

prerequisite: VITICULT 2002WT 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

1.5 units second half of semester 1

7 hours lectures/seminars/tastings per week

prerequisite: Oenology students - OENOLOGY 3011WT Winemaking; Viticultural Science students - VITICULT3004WT Viticultural Production A or VITICULT 7023WT 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

3 units semester 2 (odd years only)

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

prerequisite: VITICULT 2002WT 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

1.5 units orientation week, first half of semester 1

6 hours per week including field trips

prerequisite: VITICULT 2002WT Viticultural Science or HORTICUL 3025WT 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

3 units semester 1 (external only)

prerequisite: WINEMKTG 1013WT 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 & Food Tourism & Festivals B

3 units semester 2 (external only)

prerequisite: WINEMKTG 1013WT 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

3 units semester 2 (external only)

prerequisite: WINEMKTG 1013WT 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: assignments, exam

WINEMKTG 7015WT
Issues in Wine Business

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 7031WT
Topics in Agricultural Business B

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

assessment: written assignments and oral presentations

WINEMKTG 7033WT
Research Methodology and Methods

3 units semester 1 or 2

3 hours seminars per week

This course familiarises the student with: the methodology of scientific research in wine or 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 wine or 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

WINEMKTG 7034WT
Winery Business Management

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

3 units semester 2 (external only)

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: exam 50%, assignments 50%

WINEMKTG 7041WT
Topics in Agricultural Business A

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

WINEMKTG 7046WT
Problems in Agricultural Business A

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

WINEMKTG 7047WT
Problems in Agricultural Business B

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

WINEMKTG 7053WT
Introduction to Managerial & Financial Accounting

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

3 units semester 2 (external only)

This course provides a general introduction to the Australian legal system and institutions, and to Australian commercial law. Emphasis will be placed on those parts of the law that have particular relevance to marketing, such as contract, sale of goods, consumer protection, trace practices and intellectual property law. The legal principles discussed have general commercial applicability, but where possible will be illustrated by topical examples drawn from wine food marketing.

assessment: exam 50%, assignments 50%.

WINEMKTG 7055WT
Principles of Food and Wine Marketing

3 units semester 1

2 lectures, 1 tutorial per week

prerequisite: WINEMKTG 1013WT Principles of Food and Wine Marketing

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 and tutorials 50%

WINEMKTG 7056WT
Internet Marketing and E-Commerce

3 units semester 1

2 lectures, 2 tutorials per week

prerequisite: WINEMKTG 1013WT 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 III

3 units semester 2 (external or internal)

3 hours lectures/tutorials per week

prerequisite: WINEMKTG 1013WT 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 labelling, 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 & Agricultural Products

3 units semester 2 (external only)

prerequisite: WINEMKTG 1013WT 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: assignments, final exam

WINEMKTG 7059WT
Strategic Marketing Management

3 units semester 2 (internal or external)

2 lectures, 1 tutorial per week

prerequisite: WINEMKTG 7055WT 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 only)

prerequisite: WINEMKTG 1013WT Principles of Food and Wine Marketing

The aim of this course is to alert wine and food 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: exam 50%, assignments 50%

WINEMKTG 7062WT
Microeconomic Principles

3 units semester 2 (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 management and marketing of wine and food products, 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 50%

Research topics

AGRIC 7000AWT/BWT
Project D (ANR)

AGRIC 7001AWT/BWT
Project C (ANR)

AGRIC 7002AWT/BWT
Project E (ANR)

AGRIC 7004AWT/BWT
Project F (ANR)

AGRIC 7005ARW/BWT
Project A (ANR)

AGRIC 7008AWT/BWT
Project G (ANR)

AGRIC 7009AWT/BWT
Project B (ANR)

AGRIC 7010RW
Project C (ANR) (One Semester)

AGRIC 7011RW
Project E (Anr) (One Semester)

AGRIC 7012RW
Project D (Anr) (One Semester)

AGRIC 7013RW
Project A (Anr) (one Semester)

AGRIC 7014RW
Project F (Anr) (One Semester)

AGRIC 7015RW
Project B (Anr) (One Semester)

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 subjects included in the course.

Professional and Continuing Education

Website: www.adelaide.edu.au/pce

Contents

Postgraduate awards coordinated by Professional and Continuing Education

Professional Certificate in Arbitration

Professional Certificate in Arbitration

Academic Program Rules

1 Duration of program

Taught over two semesters, the Professional Certificate in Arbitration comprises a General and Advanced program. Programs comprise 13 weeks of Tuesday evening two-hour tutorials, and a full one-day workshop. An introductory session to the Australian Legal System is provided at the commencement of the General Course.

2 Admission

2.1 Basic qualifications

2.1.1 The qualifications which would allow automatic admission to the Professional Certificate are recommended as one of the following:

A degree from a University recognised by the University of Adelaide in a field or discipline leading to the holder's practising in the relevant field, plus two years continuous practice in the field

A diploma or other tertiary qualification from a University or institution (including a TAFE college) recognised by the University of Adelaide, plus not less than three years experience in the practice of the calling for which the qualification is held *or*

A recognised industry-based qualification (such as training in business management through the Institute of Management), the holding of a senior and responsible position within business or industry with not less than four years total experience *or*

The holding of a senior position in a field of practice or discipline, plus not less than five years total experience in that field.

Such other qualification or experience as the Faculty of Law, on the advice of the Advisory Board, sees fit.

2.1.2 Being a person of good repute with no criminal record and holding a senior and respected position in the field of practice in which the person works.

2.1.3 Relevance of the professional certificate as contributing towards a masters degree:

Graduates possessing a Professional Certificate ought to be allowed to continue to study for the qualification of a Masters Degree Law specialising in Arbitration provided that:

(a) They possess the necessary other qualifications required (e.g. the holding of an appropriate degree)

(b) They are acceptable to the relevant faculty of law admitting them as students.

2.2 Status

Candidates possessing a law degree may be granted exemption from the General Program, dependent on their years of experience in the field and the number of ADR cases dealt with in their professional career.

3 Assessment

General course assessment comprises three components:

(a) participation at compulsory one-day workshop 25%

(b) 3,000 word assignment 40%

(c) 2 hour exam 35%.

The Advanced course assessment consists of three components:

(a) participation at the one-day workshop 25%

(b) 4000-5000 word assignment 40%

(c) 3 hour final exam 35%.

Each course provides 12 subjects, several law based, relevant to arbitration

4 Qualification requirements

4.1 Program of study

To qualify for the Professional certificate, a candidate shall satisfactorily complete the General course, and successfully pass all components of the Advanced course.

Candidates are serviced with all program materials, including text book and Arbitration video. Website access provides on-line learning for distance education students. On-line students are provided with an additional one-day program to coincide with the full-day workshop in each course.

Email enquiries: susan.boehm@adelaide.edu.au

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