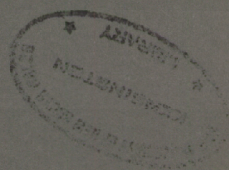The University of New South Wales

Arts

1979
Faculty Handbook

How to use this Handbook

The information in this book has been divided into **eight parts**.

General Information (the blue coloured pages) lists what you need to know about the University as a whole, introduces some of the services available and notes the most important rules and procedures. You should read this part in its entirety.

For further information about the University and its activities, see the University Calendar.

Faculty Information.

Undergraduate Study outlines the courses available in each school in the faculty.

Graduate Study is about higher degrees.

Subject Descriptions lists each subject offered by the schools in the faculty. The schools are listed alphabetically.

Information includes:
• Subject number, title and description
• Prerequisite, co-requisite and excluded subjects, where applicable
• Additional information about the subject such as unit values, credit hours, teaching hours per week, sessions when taught

Financial Assistance to Students is a list of scholarships and prizes, available at undergraduate and graduate level in the faculty.

Staff list.

Timetable.

For detailed reference, see the list of **Contents.**

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The University of New South Wales Library has catalogued this work as follows:

Subjects, courses and any arrangements for courses
including staff allocated, as stated in the Calendar or
any Handbook or any other publication, announcement
or advice of the University, are an expression of intent
only and are not to be taken as a firm offer or under-
taking. The University reserves the right to discontinue
or vary such subjects, courses, arrangements or staff
allocations at any time without notice.

Information in this Handbook has been brought up to
date as at 11 September 1978, but may be amended
without notice by the University Council

Contents

General Information

To obtain the maximum benefit from your studies you should make an effort to learn what facilities the University offers, to investigate the best methods of study and to discover as much as possible about the course for which you are enrolled.

This Handbook has been specially designed as a detailed source of reference for you in all matters related to your Faculty. The **General Information** Section is intended to help you put the Faculty into perspective with the University as a whole, to introduce you to some of the services available to students and to note some of the most important rules and procedures.

For fuller details about the University and its activities you should consult the University Calendar.

Now, see the following pages for other general information which may be of value to you.

Some people who can help you

Note: All phone numbers below are University extension numbers. If you are outside the University, dial 663 0351 and ask for the extension or dial 662— and then the extension number. This prefix should only be used when you are certain of the extension that your require. Callers using 662 cannot be transferred to any other number.

If you are experiencing difficulties in adjusting to the requirements of the University, you will probably need advice. The best people to talk to on matters relating to progress in studies are your tutors and lecturers. If your problem lies outside this area, there are many other people with specialized knowledge and skills who may be able to help you.

The **Deputy Registrar (Student Services)**, Mr Peter O'Brien and his Administrative Assistant, Mrs Anne Beaumont, are located on the first floor of the Chancellery. They will help students who need advice and who have problems and are not sure whom they should see. As well as dealing with general enquiries they are especially concerned with the problems of physically handicapped and disabled students and those in need of financial assistance. The latter students should see Mrs Beaumont. Enquire at room 148E, phone 2482 (general enquiries) or 3164 (financial assistance).

The **Officer-in-Charge (Admissions and Higher Degrees** Section), Mr Peter Wildblood, is located on the ground floor of the Chancellery. General enquiries should be directed to 3711.

The **Officer-in-Charge (Examinations and Student** Records Section) Mr Ross Woodham is located on the ground floor of the Chancellery. For particular inquiries regarding the Student Records Unit, including illness and other matters affecting performance in examinations, academic statements, graduation ceremonies, prizes, release of examination results and variations to enrolment programs, phone 3711. For information regarding examinations, including examination timetables and clash of examinations, phone 2143.

The Adviser for Prospective Students, Mrs Fay Lindsay, is located on the ground floor of the Chancellery and is available for personal interview. For an appointment phone 3453.

The Assistant Registrar (Student Employment and Scholarships), Mr Jack Foley, is located on the ground floor of the Chancellery. Enquiries should be directed to 2086 (undergraduate scholarships), 2525 (graduate scholarships), and 3259 (employment).

The Housing Officer, Mrs Judy Hay, is located in the Student Amenities and Recreation Unit in Hut B at the foot of Basser Steps. For assistance in obtaining *suitable lodgings* phone 3260.

The Student Health Unit is located in Hut F on College Road. The Director is Dr Max Napthali. For *medical aid* phone 2679 or 3275.

The Student Counselling and Research Unit is located at the foot of Basser Steps. The Head is Mr George Gray. For assistance with educational or vocational problems ring 3681, 3685 or 2696 for an appointment.

The University Librarian is Mr Allan Horton. Library enquiries should be directed to 2048.

The Chaplaincy Centre is located in Hut F at the foot of Basser Steps. For spiritual aid phone Anglican—2684; Catholic—2379; Church of Christ—2683; The Uniting Church—2683; Seventh Day Adventist—2683; Jewish—3273; Baptist—398 4065.

The Students' Union is located on the second floor of Stage III of the University Union, where the SU full-time President, Education Vice-President, Welfare Research Officer, and Director of Overseas Students are available to discuss any problems you might have. In addition the SU offers a range of diverse services including legal advice (full-time solicitor available), clubs and societies services, second-hand bookshop (buy or sell), new records/tapes at discount, food shop (The Nuthouse), a professional nursery-kindergarten (House at Pooh Corner), a typesetting service, electronic calculators (bulk purchasing), AUS insurance (including health), an information referral centre (the Infakt Bus), a bail fund and publications such as *Tharunka*, Orientation Magazine, Concessions Book and counter-course handbooks. For information about these phone 2929.

Calendar of Dates

The Academic Year

The academic year is divided into two sessions, each containing 14 weeks for teaching. There is a recess of five weeks between the two session and there are short recesses of one week within each of the sessions.
Session 1 commences on the first Monday of March.

1979

Session 1	5 March to 13 May
(14 weeks)	*May Recess* 14 May to 20 May
	21 May to 17 June
Tuesday	*Midyear recess.* 18 June to 22 July
19 June	Examinations begin
Wednesday	
4 July	Examinations end

Session 2	23 July to 26 August
(14 weeks)	*August Recess* 27 August to 2 September
	3 September to 4 November
	Study Recess: 5 November to 11 November
Monday	
12 November	Examinations begin
Friday	
1 December	Examinations end

January

Monday 1	New Year's Day — Public Holiday
Friday 5	Last day for application for review of results of *annual* examinations
Friday 12	Last day for acceptance of applications by Admissions Office for transfer to another course within the University
Monday 29	Australia Day — Public Holiday

February

| Monday 5 | Enrolment period begins for new students and students repeating first year |
| Monday 19 | Enrolment period begins for second and later year students |

March

Monday 5	**Session 1 commences**
Tuesday 6	List of graduands for April/May ceremonies published in daily press
Friday 30	Last day for acceptance of enrolment by students re-enrolling in second and later years (late fee payable)
	Last day for students other than those attending the University for the first time to discontinue without failure subjects which extend over Session 1 only

April

Friday 6	*Confirmation of Enrolment* forms despatched to all students
Friday 13 to	
Monday 16	Easter
Friday 20	Last day for acceptance of corrected *Confirmation of Enrolment* forms
Wednesday 25	Anzac Day — Public Holiday
Friday 27	Last day for students attending the University for the first time to discontinue without failure subjects which extend over Session 1 only

May

Monday 7	Last day for students completing requirements for degrees or diplomas at the end of Session 1 to submit *Application for Admission to Degree*
Monday 14	**May Recess begins**
Thursday 17	Publication of provisional timetable for June/July examinations
Friday 18	Last day for students other than those attending the University for the first time, to discontinue without failure subjects which extend over the whole academic year
Sunday 20	**May Recess ends**
Friday 25	Last day for students to advise of examination timetable clashes

June

Tuesday 5	Publication of timetable for June/July examinations
Sunday 17	**Session 1 ends**
Monday 18	Queen's Birthday — Public Holiday
	Midyear Recess begins
Tuesday 19	Examinations begin

July

Wednesday 4	Examinations end
Friday 13	Examination results mailed to students
Monday 16	Examination results displayed on University notice boards

Tuesday 17 to	Students to amend enrolment programs
Friday 20	following receipt of June examination results
Sunday 22	**Midyear Recess ends**
Monday 23	**Session 2 begins**
	Last day for application for review of June examination results

August

Thursday 2	Foundation Day (No classes held)
Friday 3	Last day for students attending the University for the first time to discontinue without failure subjects which extend over the whole academic year
Friday 17	Last day for students, other than those attending University for the first time, to discontinue without failure subjects which extend over Session 2 only
Monday 27	**August Recess begins**

September

Sunday 2	**August Recess ends**
Monday 10	Last day for applications from students completing requirements for degrees and diplomas at the end of Session 2 to submit *Applications for Admission to Degree*
Wednesday 12	List of graduands for October graduation ceremony published in daily press
Friday 14	Last day for students attending the University for the first time to discontinue without failure subjects which extend over Session 2 only
	Confirmation of Enrolment form forwarded to all students
Monday 17	Last day to notify intention of attending October graduation ceremony

October

Monday 1	Last day to apply to MUAC for transfer to another University in New South Wales
	Eight Hour Day — Public Holiday
	Last day to return corrected *Confirmation of Enrolment* forms
Thursday 4	Publication of provisional examination timetable
Thursday 11	Graduation ceremony
Friday 12	Last day for students to advise of examination timetable clashes
Tuesday 23	Publication of timetable for examinations

November

Sunday 4	**Session 2 ends**
Monday 5	**Study Recess begins**
Sunday 11	**Study Recess ends**
Monday 12	Examinations begin

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December

Saturday 1	Examinations end
Tuesday 18	Examination results mailed to students
Wednesday 19	Examination results displayed on University notice boards
Tuesday 25	Christmas Day — Public Holiday
Wednesday 26	Boxing Day — Public Holiday

1980

Session 1	3 March to 11 May
	May Recess 12 May to 18 May
	19 May to 15 June
Tuesday 17 June	Examinations begin
Wednesday 2 July	Examinations end
	Midyear Recess 16 June to 20 July
Session 2	21 July to 24 August
	August Recess 25 August to 30 August
	1 September to 2 November
	Study Recess 3 November to 9 November
Monday 10 November	Examinations begin
Saturday 29 November	Examinations end

January

Tuesday 1	Public Holiday
Friday 4	Last date for application for review of results of *annual* examinations
Friday 11	Last day for acceptance of applications by Admissions Office for transfer to another course within the University
Monday 28	Australia Day — Public Holiday

February

Monday 4	Enrolment period begins

Organization of the University

Rapid development has been characteristic of the University of New South Wales since it was first incorporated by an Act of Parliament in 1949, under the name of the New South Wales University of Technology.

In 1978 the University had 18,562 students and over 4,000 staff who worked in more than eighty buildings. These figures include staff and students at Broken Hill (W.S. and L.B. Robinson University College), Duntroon (the Faculty of Military Studies) and Jervis Bay.

Arms of the University of New South Wales

The coat of arms of the University is reproduced on the front cover of this handbook. The arms were granted by the College of Heralds in London. on 3 March 1952, and its heraldic description is as follows:

Argent on a Cross Gules a Lion passant guardant between four Mullets of eight points Or a Chief Sable charged with an open Book proper thereon the word SCIENTIA in letters also Sable.

The lion and the four stars of the Southern Cross on the Cross of St George have reference to the State of New South Wales which brought the University into being; the open book with SCIENTIA across its page reminds us of its original purpose Beneath the shield is the motto 'Manu et Mente', which is the motto of the Sydney Technical College, from which the University has developed. The motto in not an integral part of the Grant of Arms and could be changed at will; but it was the opinion of the University Council that the relationship with the parent institution should in some way be recorded.

The Council

The chief governing body of the University is the Council which has the responsibility of making all major decisions regarding its policy, conduct and welfare.

The Council consists of 43 members from the State Parliament, industry and commerce, agriculture, the trade unions, professional bodies, the staff, the students and the graduates of the University.

The Council meets six times per year and its members also serve on special committees dealing with, for example, academic matters, finance, buildings and equipment, personnel matters, student affairs and public relations.

The Chairman of the Council is the Chancellor, the Hon. Mr Justice Samuels, and the Deputy Chancellor is Dr F.M. Mathews.

The Professorial Board

The Professorial Board is one of the two chief academic units within the University and includes all the professors from the various faculties. It deliberates on all questions such as matriculation requirements, the content of courses, the arrangement of syllabuses, the appointment of examiners and the conditions for graduate degrees. Its recommendations on these and similar matters are presented to Council for its consideration and adoption.

The Faculties/Boards of Study

The Dean, who is also a professor, is the executive head of the Faculty or Board of Study. Members of each Faculty or Board meet regularly to consider matters pertaining to their own areas of study and research, the result of their deliberations being then submitted to the Professorial Board.

The term 'faculty' is used in two distinct senses in the University. Sometimes it is used to refer to the group of Schools comprising the Faculty, and at others to the deliberative body of academic members of the Schools within the Faculty.

The eleven Faculties are Applied Science, Architecture, Arts, Biological Sciences, Commerce, Engineering, Law, Medicine, Military Studies, Professional Studies and Science together with the Australian Graduate School of Management. In addition, the Board of Studies in General Education fulfils a function similar to that of the faculties. The Board of Studies in Science and Mathematics, which was established to facilitate the joint academic administration of the Science and Mathematics degree course by the Faculties of Biological Sciences and Science, considers and reports to the Professorial Board on all matters relating to studies, lectures and examinations in the science course.

The Schools

Once courses of study have been approved they come under the control of the individual Schools (eg the School of Chemistry, the School of Mathematics). The Head of the School in which you are studying is the person in this academic structure with whom you will be most directly concerned.

Executive Officers

As chief executive officer of the University the Vice-Chancellor and Principal Professor Rupert Myers, is charged with managing and supervising the administrative, financial and other activities of the University.

He is assisted in this task by three Pro-Vice-Chancellors, Professor John Thornton, Professor Rex Vowels and Professor Raymund Golding, the Deans and the three heads of the administrative divisions.

General Administration

The administration of general matters within the University comes mainly within the province of the Registrar, Mr Keith Jennings, the Bursar, Mr Tom Daly, and the Business Manager (Property), Mr R.K. Fletcher.

The Registrar's Division is concerned chiefly with academic matters such as the admission of students, and the administration of examinations as well as the various student services (health, employment, amenities, and counselling).

The Bursar's Division is concerned with the financial details of the day-to-day administration and matters to do with staff appointments, promotions, etc.

Student Representation on Council and Faculties/Boards

Three members of the University Council may be students elected by students. All students who are not full-time members of staff are eligible to stand for a two-year term of office. The students who are elected to the Council are eligible for election to the Committees of Council.

Students proceeding to a degree or a graduate diploma may elect members for appointment by the Council to their Faculty/Board. Elections are for a one-year term of office.

Open Faculty/Board Meetings

If you wish you may attend a Faculty/Board meeting, you should seek advice at the office of the Faculty whose meeting you wish to attend, as different faculties have their own rules for the conduct of open meetings.

Award of the University Medal

The University may award a bronze medal to undergraduate students who have achieved highly distinguished merit on completion of their final year.

Identification of Subjects by Numbers

For information concerning the identifying number of each subject taught in this faculty as well as the full list of identifying numbers and subjects taught in the University, turn to the first page of the section Subject Descriptions. This list is also published in the Calendar.

Textbook Lists

Textbook lists are no longer published in the Faculty handbooks. Separate lists are issued prior to the beginning of each session and are available at key points on the campus.

General Studies Program

Almost all undergraduates in Faculties other than Arts and Law are required to complete a General Studies program. The Department of General Studies within the Board of Studies in General Education publishes its own Handbook which is available free of charge. All enquiries about General Studies should be made to the General Studies Office, Room G56, Morven Brown Building, phone 3476.

Student Services and Activities

The University Library

The University Libraries are mostly situated on the upper campus. The library buildings house the Undergraduate Library on Level 3, the Social Sciences and Humanities Library on Level 4, the Physical Sciences Library, on Level 7 and the Law Library on Level 8. The Biomedical Library is in the western end of the Mathews Building and is closely associated with libraries in the teaching hospitals of the University.

There are also library services at other centres:

The Water Reference Library situated at Manly Vale (phone 9480261) which is closely associated with the Physical Sciences Library.

The library at the Broken Hill Division in the W.S. and L.B. Robinson University College building. Phone Broken Hill (080) 6022.

The library at the Royal Military College, Duntroon, ACT, serving the Faculty of Military Studies. Phone (062) 730427.

Each library provides reference and lending services to staff and students and each of the libraries on the Kensington campus is open throughout the year during day and evening periods. The exact hours of opening vary during the course of the academic year.

Staff and students normally use a machine-readable identification card to borrow from the University libraries.

Accommodation

Residential Colleges

There are seven **residential colleges** on campus. Each college offers accommodation in a distinctive environment which varies from college to college, as do facilities and fees. A brief description of each college is given below, and further information may be obtained directly from the individual colleges. In addition to basic residence fees, most colleges make minor additional charges for such items as registration fees, caution money or power charges. Intending students should lodge applications before the end of October in the year prior to the one in which they seek admission. Most colleges require a personal interview as part of the application procedure.

The Kensington Colleges

The Kensington Colleges comprise Basser College, Goldstein College, and Philip Baxter College. They house 450 men and women students, as well as staff members. Fees are payable on a session basis. Apply in writing to the Master, PO Box 24, Kensington, NSW 2033.

International House

International house accommodates 154 students from Australia and up to twenty other countries. Preference is given to more senior undergraduates and graduate students. Apply in writing to the Warden, International House, PO Box 88, Kensington, NSW 2033.

New College

This Church of England College is open to all students without regard to race or religion. It has accommodation for approximately 220 students and is co-educational. Enquiries should be addressed to the Master. New College, Anzac Parade, Kensington, NSW 2033.

Shalom College

Shalom College provides accommodation for 86 men and women students. Non-resident membership is available to students who wish to avail themselves of the Kosher dining room and tutorial facilities. Apply in writing to the Master, Shalom College, The University of New South Wales, PO Box 1, Kensington, NSW 2033.

Warrane College

Warrane College provides accommodation for 200 men and is open to students of all ages, backgrounds and beliefs. A comprehensive tutorial program is offered along with a wide variety of activities and opportunities to meet informally with members of the University staff. Non-resident membership is available to male students who wish to participate in College activities and make use of its facilities. Warrane is directed by the International Catholic lay association Opus Dei. Apply in writing to the Master, Warrane College. PO Box 123, Kensington, NSW 2033.

Creston Residence

Creston, associated with Warrane College, offers residence for 25 full-time undergraduate and graduate women students of all nationalities and denominations. It is directed by the Women's Section of Opus Dei, a Catholic lay association. Further information: The Principal, 36 High Street, Randwick, NSW 2031.

Other Accommodation

Off-campus Accommodation

Students requiring other than College accommodation may contact the Housing Officer in the Student Amenities and Recreation Unit for assistance in obtaining suitable lodging in the way of full board, room with cooking facilities, flats, houses, share flats. etc. Extensive listings of all varieties of housing are kept up-to-date throughout the year and during vacations.

No appointment is necessary but there may be some delay in February and March. The Housing staff are always happy to discuss any aspect of accommodation.

Special pamphlets on accommodation, list of estate agents and hints on house-hunting are available on request.

Location The Student Accommodation Service is located in Hut B, near the foot of Basser Steps. Phone 6630351, extension 3260

Student Employment and Scholarships

The Student Employment and Scholarships Unit offers assistance with career employment for final year students and graduates of the University. This service includes the mailing of regular job vacancy notices to registered students, and a Careers Library containing information on various careers and employers.

Careers advice and assistance are also available to undergraduates Students undertaking courses in Applied Science or Engineering which require course-related industrial or professional training experience are assisted to find such employment over the long vacation. Information and advice regarding cadetships, undergraduate and graduate scholarships is also available

The service is located in Room G19 of the Chancellery.

Phone extension 3259 for employment and careers advice, extension 2525 for details of graduate awards and grants, and extension 2086 for undergraduate scholarship, cadetship and industrial training information.

Student Health

A student health clinic and first aid centre is situated within the University. It is staffed by three qualified medical practitioners, assisted by two nursing sisters The medical service, although therapeutic, is not intended to entirely replace private or community health services Thus, where chronic or continuing conditions are revealed or suspected, the student may be referred to a private practitioner or to an appropriate hospital for specialist opinion and/or treatment. The health service is not responsible for fees incurred in these instances. The service is confidential and students are encouraged to attend for advice on matters pertaining to health.

The service is available to all enrolled students by appointment, free of charge, between 9 am and 5 pm Mondays to Fridays For staff members, immunizations as well as first aid service in the case of injury or illness on the campus are available.

The centre is located in Hut E on the northern side of the campus in College Road at the foot of Basser Steps.

Appointments may be made by calling at the centre or by telephoning extension 2679 or 3275 during the above hours.

The Family Planning Association of NSW conducts clinics at the Student Health Unit and at the adjacent Prince of Wales Hospital. These clinics are open to staff and students and appointments may be made for the Student Health Unit clinic by telephoning 698 9499, or for The Prince of Wales Hospital clinics by telephoning 399 0111.

Student Counselling and Research

The Student Counselling and Research Unit provides individual and group counselling for all students—prospective, established and graduate. Self-help programs are also available. Opportunities are provided for parents and others concerned with student progress to see members of the counselling staff.

The service which is free, informal and personal is designed to help students with planning and decision making, and a wide variety of concerns and worries which may be affecting personal, educational and vocational aspects of their lives.

The Unit pursues research into factors affecting student performance, and the published results of its research and experience are helpful in improving University and other counselling services, and the quality of student life

Counselling appointments may be arranged during sessions and recesses between 9 am and 7 pm. Phone 6630351, extension 3681, 3685 and 2696, or call at the Unit which is located at the foot of Basser Steps. Urgent interviews are possible on a walk-in basis between 9 am and 5 pm. Group counselling programs are offered both day and evening between 9 am and 9 pm by special arrangement. Self-help programs are arranged to suit the student's time and convenience

Student Amenities and Recreation

In general the Student Amenities and Recreation Unit seeks ways to promote the physical, social and educational development of students through their leisure time activities and to provide some services essential to their day-to-day University life.

The Unit provides, for example, a recreational program for students and staff at the Physical Education and Recreation Centre; negotiates with the Public Transport Commission of NSW on student travel concessions and supplies concession forms for bus, rail, ferries and planes; assists students with off-campus housing, makes bookings for use of sports facilities; and, in consultation with the Sports Association, assists various recognized clubs.

The Unit is located in Hut B at the foot of Basser Steps. The various services may be contacted by phone on the following extensions: Recreation Program 3271; Travel 2617; Accommodation 3260; Ground Bookings 2235; Sports Association 2673

Physical Education and Recreation Centre

The Student Amenities and Recreation Unit provides a recreational program for students and staff at the Physical Education and Recreation Centre. The Centre consists of eight

squash courts and a main building, the latter containing a large gymnasium and practice rooms for fencing, table tennis, judo, weight-lifting, karate and jazz ballet, also a physical fitness testing room. The recreational program includes intramurals, teaching/coaching, camping, and fitness testing. The Centre is located on the lower campus adjacent to High Street. The Supervisor at PERC may be contacted on extension 3271.

The Sports Association

The Sports Association caters for a variety of competitive sports for both men and women. Membership is compulsory at $6 per year for all registered students and is open to all members of staff and graduates of the University.

The Sports Association office is situated in Hut G, near the bottom of Basser Steps, and the control of the Sports Association is vested in the General Committee. The Executive Officer of the Sports Association may be contacted on extension 2673.

Student Travel Concessions

The Student Amenities and Recreation Unit arranges distribution of bus, rail and ferry concessions. For the peak period during the week preceding and the first week of Session 1 distribution is at a location to be decided. Students should watch for notices around the campus announcing the distribution centre.

For the rest of the year students seeking authorization for travel concessions, including planes, should enquire at SARU, Hut B, (extension 2617) or the Enquiry Desk, Chancellery, (extension 2251).

The University Union

The University Union provides the facilities students, staff and graduates require in their daily University life and thus an opportunity for them to know and understand one another through associations outside the lecture room, the library and other places of work.

The Union is housed in three buildings near the entrance to the Kensington Campus from Anzac Parade. These are the Roundhouse, The Blockhouse (Stage 2) and the Squarehouse (Stage 3). Membership of the Union is compulsory at $45 per year for all registered students and is open to all members of staff and graduates of the University.

The full range of facilities provided by the Union includes a cafeteria service and other dining facilities, a large shopping centre, cloak room, banking and hairdressing facilities, showers, a women's lounge, common, games, meeting, music, practice, craft and dark rooms. Photocopying, sign printing, and stencil cutting services are also available. The Union also sponsors special concerts (including lunchtime concerts) and conducts courses in many facets of the arts including weaving, photography, creative dance and yoga. Exhibitions are held in the John Clark Gallery.

Full information concerning courses is contained in a booklet obtainable from the Union's Program Department.

The University Union should not be confused with the Students' Union or Students' Representative Council (as it is known in some other universities). This latter body has a representative function and is the instrument whereby student attitudes and opinions are crystallized and presented to the University and the community.

The Students' Union

The Students' Union is run by students and represents them on and off campus. Presidential elections are by popular vote and all students who have completed two years at the University are eligible for election. The full-time President directs the entire administration of the Students' Union and its activities.

Other full-time officers include the **Education Vice-President** who works towards the implementation of Students' Union education policy; the **Welfare-Research Officer** concerned with helping students with problems they may encounter in the University; **Director of Overseas Students** who deals with specific problems these students may encounter while in Australia.

Membership is compulory at $14 per annum for full-time students and $11 for part-time students.

The activities of the Students' Union include:

1. Infakt: a student-run information referral service. If you want someone to talk to or need help of any kind see the people at Infakt located in the bus at the foot of Basser Steps.
2. A casual employment service.
3. Organization of Orientation Week.
4. Organization of Foundation Day.
5. A nursery/kindergarten, *The House at Pooh Corner.*
6. Publication of the student paper *Tharunka.*
7. A free legal service run by a qualified lawyer employed by the Students' Union Council.
8. Students' Union Record Shop which sells discount records and tapes.
9. The Nuthouse which deals in bulk and health foods.
10. Secondhand Bookshop for cheap texts.
11. Clubs and societies which receive money from the Students' Union through CASOC (Clubs and Societies on Campus).
12. The sale of electronic calculators and accessories at discount rates.
13. Provision of a bail fund.

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* Subject to revision at time of publication

The Students' Union is affiliated with the Australian Union of Students (AUS) which represents students on the national level.

The Students' Union is located on the second floor, Stage 3, the Union.

Chaplaincy Centre

This service is provided for the benefit of students and staff of various religious and spiritual beliefs. Chaplains are in attendance at the University at regular times. A Chapel is also available for use by all denominations. For further details, turn to page 2.

Other Services and Activities

CASOC   All clubs and societies on campus (except sporting clubs) are loosely organized under the umbrella of CASOC, which is a committee of the Students' Union. Some of these clubs are the Motor Cycle Club; Chess Club; Dramsoc; Opunka; Kite Club and the Jazz Society.

School and Faculty Associations   Many schools and faculties have special clubs with interests in particular subject fields. Enquire at your Faculty Office for information.

University Co-operative Bookshop Limited   Membership is open to all students, on initial payment of a fee of $10, refundable when membership is terminated. Members receive an annual rebate on purchases of books.

Cashier's Hours   The University cashier's office is open from 9.30 am to 1.00 pm and from 2.00 pm to 4.30 pm, Monday to Friday. It is open for additional periods at the beginning of Session 1. Consult notice boards for details.

Australian Armed Forces   Enquiries should be directed to Royal Australian Navy: Royal Australian Navy Liaison Officer, Emeritus Professor J S Ratcliffe, Commander, RANR (Rtd), International House. Phone extension 3093 or 663 0473.

University of New South Wales Regiment: The Adjutant, Regimental Depot, Day Avenue (just west of Anzac Parade). Phone 663 1212.

Royal Australian Air Force. Undergraduates interested in the RAAF Undergraduate Scheme should contact The Recruiting Officer, Defence Forces Recruiting Centre, 323 Castlereagh Street, Sydney. Phone 212 1011.

Financial Assistance to Students

Tertiary Education Assistance Scheme

Under this scheme, which is financed by the Commonwealth Government, assistance is available for full-time study in approved courses, to students who are not bonded and who are permanent residents of Australia, subject to a means test on a non-competitive basis. The allowances paid are unlikely to be sufficient, even at the maximum rate, for all the living expenses of a student. Family help and/or income from vacation or spare-time work would also be needed.

Students in the following types of university courses are eligible for assistance:

● Undergraduate and graduate bachelor degree courses

● Graduate diplomas

● Approved combined bachelor degree courses

● Master's qualifying courses (one year)

Benefits
The rates of allowance and conditions for eligibility are set our in a booklet obtainable from the Department of Education.

1978 Higher School Certificate candidates and tertiary students receiving an allowance are sent forms in December/January. Other students may obtain forms from the Admissions Section or Student Employment and Scholarships Unit, or from the Regional Director, Department of Education, 323 Castlereagh Street, Sydney, NSW 2000 (phone 218 8800).

Continuing students should submit application as soon as examination results are available. New students should do so as soon as they are enrolled. All students should apply by 31 March 1979, otherwise benefits will not be paid for the earlier months of the year.

Scholarships, Cadetships, Prizes

1. Undergraduate Scholarships   In addition to finance provided under the Commonwealth Government's Tertiary Education Assistance Scheme there are a number of scholarships, cadetships, prizes and other forms of assistance available to undergraduate students. Details of procedures for application for these awards are contained in the Calendar.

There are also special scholarships not administered by the University, information about which may be obtained from the School office.

Further information and advice regarding scholarships is available from the Student Employment and Scholarships Unit in the Chancellery Building.

2. *Graduate Awards* An honours degree is generally an essential requirement for gaining one of the many graduate scholarships which are available at the University. Therefore gifted students should not neglect the opportunity to qualify for honours and thus become eligible for an award.

Details of graduate awards are contained in the University Calendar.

Other Financial Assistance

In addition to the Tertiary Education Assistance Scheme financed by the Commonwealth Government the following forms of assistance are available.

1. *Deferment of Payment of Fees* Deferments may be granted for a short period, usually one month, without the imposition of a late fee penalty, provided the deferment is requested prior to the due date for fee payments.

2. *Short Term Cash Loans* Donations from the Students' Union, the University Union and other sources have made funds available for urgent cash loans not exceeding $100. These loans are normally repayable within one month.

3. Early in 1973 the Commonwealth Government made funds available to the University to provide loans to students in financial difficulty. The loans are to provide for living allowances and other approved expenses associated with attendance at University. Repayment usually commences after graduation or upon withdrawal from the course. Students are required to enter into a formal agreement with the University to repay the loan. The University is unable to provide from the fund amounts large enough for all or even a major part of the living expenses of a student.

From the same source, students who are in extremely difficult financial circumstances may apply for assistance by way of a non-repayable grant. In order to qualify for a grant a student must generally show that the financial difficulty has arisen from exceptional misfortune. Grants are rarely made.

In all cases assistance is limited to students with reasonable academic records and whose financial circumstances warrant assistance.

Enquiries about all forms of financial assistance should be made at the office of the Deputy Registrar (Student Services), Room 148E, in the Chancellery.

Financial Assistance to Aboriginal Students

Financial assistance is available to help Aboriginal students from the Australian Government's Aboriginal Study Grant Scheme. Furthermore, the University may assist Aboriginal students with loans to meet some essential living expenses.

All enquiries relating to this scheme should be made at the office of the Deputy Registrar (Student Services), Room 148E, in the Chancellery.

Fund for Physically Handicapped and Disabled Students

The University has a small fund (started by a generous gift from a member of the staff who wishes to remain anonymous) available for projects of benefit to handicapped and disabled students. Enquiries should be made at the office of the Deputy Registrar (Student Services), Room 148E, in the Chancellery.

Rules and Procedures

The University, in common with other large organizations, has some agreed ways of doing things in order to operate for the benefit of all members. The rules and procedures listed below will affect you at some time or another. In some cases there are penalties (eg fines or exclusion from examinations) for failure to observe these procedures and therefore they should be read with care.

Admission

Where can I get information about admission?

The Admission Office, located in the Chancellery on the upper campus, provides information for students on admission requirements, undergraduate and graduate courses and enrolment procedures. The Admission Office is open from 9 am to 5 pm Monday to Friday (excluding the lunch hour 1 pm to 2 pm). During enrolment the office is also open for some part of the evening.

The Office provides information about special admission (including mature age entry), admission with advanced standing and admission on overseas qualifications. The Office also receives applications from students who wish to transfer from one course to another, resume their studies after an absence of twelve months or more, or seek any concession in relation to a course in which they are enrolled. It is essential that the closing dates for lodgment of applications are adhered to. For further details see the sections below on **Enrolment** and **Fees**.

Applications for admission to undergraduate courses from students who do not satisfy the requirements for admission (see section on **Admission Requirements** in the Calendar), from

students seeking admission with advanced standing, or from students who have a record of failure at another university, are referred by the Admissions Office to the Admissions Committee of the Professorial Board.

Students seeking to register as higher degree candidates should first consult the Head of the School in which they wish to register. An application is then lodged on a standard form and the Admissions Office, after obtaining a recommendation from the Head of School, refers the application to the appropriate Faculty or Board of Studies Higher Degree Committee.

Details of the procedure to be followed by students seeking entry to first year undergraduate degree courses at the university may be obtained from the Admissions Office or the Metropolitan Universities Admissions Centre.

How do I qualify for admission?

In order to enter an undergraduate course you must qualify for matriculation to the University, and be selected for admission to the faculty or course you wish to enter. Full details of matriculation and admission requirements are contained in a pamphlet obtainable at the Admissions Office and in the Calendar.

Enrolment

How do I enrol?

All students, except those enrolling in graduate research degrees (see below), must lodge an authorized enrolment form with the Cashier on the day the enrolling officer signs the form or on the day their General Studies electives are approved if their course requires this.

All students, except those enrolling in graduate research degrees and those exempted (see below), should on that day also either pay the required fees or lodge an enrolment voucher or other appropriate authority.

What happens if I am unable to pay fees at the time of enrolment?

If you are unable to pay fees by the due date you may apply in writing to the Deputy Registrar (Student Services) for an extension of time, which may be granted in extenuating circumstances.

If a student is unable to pay the fees the enrolment form must still be lodged with the Cashier and the student will be issued with a 'nil' receipt. The student is then indebted to the University and must pay the fees by the end of the second week of the session for which enrolment is being effected. Penalties apply if fees are paid after that time (see Fees below). Payment may be made through the mail in which case it is important that the student registration number be given accurately.

New Undergraduate Enrolments

Persons who are applying for entry in 1979 must lodge an application for selection with the Metropolitan Universities Admissions Centre, PO Box 7049, GPO, Sydney 2001, by 3 October 1978.

Those who are selected will be required to complete enrolment at a specified appointment time before the start of Session 1. Compulsory fees must be paid on the day of the appointment. In special circumstances, however, and provided class places are still available, students may be allowed to complete enrolment after the prescribed week, subject to the payment of a penalty (see page 15).

Application forms and details of the application procedures may be obtained from the Admissions Office.

Re-enrolment

Students who are continuing courses (or returning after approved leave of absence) should enrol through the appropriate School in accordance with the procedures set out in the current Enrolment Procedures booklet, available from the Admissions Office and from School offices. Those who have completed part of a course and have been absent without leave need to apply for entry through the Metropolitan Universities Admissions Centre, PO Box 7049, GPO, Sydney 2001, by 3 October 1978.

Restrictions Upon Re-enrolling

Students enrolled in the first year of any undergraduate course in the University who failed more than half their program in 1978, students who have failed more than once a subject prescribed as part of their course, and students required by the Re-enrolment Committee to show cause should not attempt to re-enrol but should follow the written instructions they will receive from the Registrar.

For the purpose of calculating a student's program, all subjects taken during the year, including repeat subjects, are counted.

Miscellaneous Subject Enrolments

Students may be permitted to enrol for miscellaneous subjects (ie as students not proceeding to a degree or diploma) provided the Head of the School offering the subject considers it will be of benefit and there is accommodation available. Only in exceptional cases will subjects taken in this way count towards a degree or diploma. Students who are under exclusion may not be enrolled in miscellaneous subjects which may be counted towards courses from which they have been excluded.

Students seeking to enrol in miscellaneous subjects should obtain a letter of approval from the Head of the appropriate School or his representative permitting them to enrol in the subject concerned. The letter should be given to the enrolling officer at the time of enrolment.

For details of the locations and hours for enrolment see Enrolment Procedures 1979, a free booklet obtainable from your School or Faculty Office or from the Admissions Office.

Final Dates for Completion of Enrolments

No enrolments for courses extending over the whole year or for Session 1 only will be accepted from new students after the end of the second week of Session 1 (16 March 1979) except with the express approval of the Deputy Registrar (Student Services) and the Heads of the Schools concerned; no later year enrolments for courses extending over the whole year or for Session 1 only will be accepted after the end of the fourth week of Session 1 (30 March 1979) except with the express approval of the Deputy Registrar (Student Services) and the Heads of Schools concerned. No enrolments for courses in Session 2 only will be accepted after the end of the second week of Session 2 (3 August 1979) except with the express approval of the Deputy Registrar (Student Services) and the Heads of Schools concerned.

How do assisted students (eg scholarship holders) enrol?

Scholarship holders or sponsored students who have an enrolment voucher or letter of authority from their sponsor should present it at the time of enrolment. Such vouchers and authorities are generally issued by the NSW Department of Education and the NSW Public Service. They are not always issued in time and students who expect to receive an enrolment voucher or other appropriate authority but have not done so must pay the fees (and arrange a refund later). Such vouchers and authorities are not the responsibility of the University and their late receipt is not to be assumed as automatically exempting a student from the requirements of enrolling and paying fees.

What special rules apply if I wish to be considered for admission with advanced standing?

If you make application to register as a candidate for any degree or other award granted by the University you may be admitted to the course of study with such standing on the basis of previous attainments as may be determined by the Professorial Board. For complete details regarding 'Admission with Advanced Standing' consult the University Calendar.

Can I transfer from one course to another?

To transfer from one course to another you must apply on an application form obtainable from the Admissions Office by 17 January. If your application is successful you are required to comply with the enrolment procedures for the year / stage of the new course and, unless otherwise instructed, you should present the letter granting transfer to the enrolling officer. If you intend to transfer, you should also inform the enrolling officer of the school in which you were enrolled in 1978.

Can I change my course program?

If you wish to seek approval to substitute one subject for another, or add one or more subjects to your program or discontinue part or all of your program, you must make application to the Registrar through the Head of the School responsible for the course on forms availble from School offices or at the Enquiry Desk in the main entrance of the Chancellery. The Registrar will inform you of the decision. Application to enrol in additional subjects must be submitted by 30 March 1979 for Session 1 only and Whole Year subjects and by 17 August 1979 for Session 2 only subjects.

It is emphasized that failure to attend for any assessment procedure, or to lodge any material stipulated as part of an assessment procedure, in any subject in which a student is enrolled will be regarded as failure in that assessment procedure unless written approval to withdraw from the subject without failure has been obtained from the Registrar.

Withdrawal from courses and subjects

Courses

1. Students withdrawing from courses (see also **Subjects**, below) are required to notify the Registrar in writing.

For details see the Calendar.

Subjects

2. Students are permitted to withdraw from subjects without being regarded as having failed, provided they apply by the dates indicated.

Students enrolled in the University for the first time (in any undergraduate course):

1. for one session subjects, the end of the eighth week of that session (27 April or 14 September)

2. for whole year subjects the end of the second week of Session 2 (3 August)

Students who have been enrolled in the University prior to 1979:

1. for one session subjects, the end of the fourth week of that session (30 March or 17 August)

2. for whole year subjects, the end of the eleventh week of Session 1 (18 May)

How do I enrol after an absence of twelve months or more?

If you have had an approved leave of absence for twelve months or more and wish to resume your course you should follow the instructions about re-enrolling given in the letter granting your leave of absence. If you do not fully understand or have lost these instructions, then you should contact the Admissions Office before November in the year preceding the one in which you wish to resume your course.

If you have not obtained a leave of absence from your course and have not been enrolled in the course over the past twelve months of more, then you should apply for admission to the course through the Metropolitan Universities Admission Centre before October in the year preceding that in which you wish to resume studies.

Are there any restrictions upon students re-enrolling?

The University Council has adopted the following rules governing re-enrolment with the object of requiring students with a record of failure to show cause why they should be allowed to re-enroll and retain valuable class places.

First-year Rule

1. A student enrolled in the first year of any undergraduate course of study in the University as set out in the relevant faculty handbook shall be required to show cause why he/she should be allowed to continue the course if he/she fails more than half the program in which he/she is enrolled. In order that students may calculate half their program, the weighting of subjects in each course is defined in *Schedule A*,* which may be varied from time to time by the Professorial Board.

Repeated-failure Rule

2. A student shall be required to show cause why he/she should be allowed to repeat a subject which that student has failed more than once. *Where the subject is prescribed as part of the student's course he/she shall also be required to show cause why he/she should be allowed to continue that course.*

General Rule

3. A student shall be required to show cause if, in the opinion of the faculty or board of studies his/her academic record is such as to demonstrate the student's lack of fitness to pursue a subject or subjects and/or course or courses.

The Session-unit System

4. (1) A student who infringes the provision of Rules **1.** or **2.** at the end of Session 1 of any year will not be required to *show cause* at that time but will be allowed to repeat the subject(s) (if offered) and/or continue the course in Session 2 of that year, subject to the rules of progression in that course.

(2) Such a student will be required to *show cause* at the end of the year, except that a student who has infringed Rule **2.** at the end of Session 1, repeats the subject(s) in question in Session 2, and passes it/them, will not be required to *show cause* on account of any such subject.

Exemption from Rules by Faculties

5. (1) A faculty or board of studies examination committee may, in special circumstances, exempt a student from some or all of the provisions of Rules **1.** and **2.**

(2) Such a student will not be required to *show cause* under such provisions and will be notified accordingly by the Registrar.

'Showing Cause'

6. (1) A student wishing to *show cause* must apply for special permission to re-enrol. Application should be made on the form available from the Examinations and Student Records Section and must be lodged with the Registrar by the dates published annually by the Registrar. A late application may be accepted at the discretion of the University.

(2) Each application shall be considered by the Re-enrolment Committee which shall determine whether the cause shown is adequate to justify the granting of permission to re-enrol.

Appeal

7. (1) Any student who is excluded by the Re-enrolment Committee from a course and/or subject(s) under the provisions of the Rules may appeal to an Appeal Committee constituted by Council for this purpose with the following membership:

A Pro-Vice-Chancellor, nominated by the Vice-Chancellor, who shall be Chairman.

The Chairman of the Professorial Board, of if he is unable to serve, a member of the Professorial Board, nominated by the Chairman of the Professorial Board, or when the Chairman of the Professorial Board is unable to make a nomination, nominated by the Vice-Chairman.

One of the category of members of the Council elected by the graduates of the University, nominated by the Vice-Chancellor.

The decision of the Committee shall be final.

(2) The notification to any student of a decision by the Re-enrolment Committee to exclude him/her from re-enrolling in a course and/or subject(s) shall indicate that the student may appeal against that decision to the Appeal Committee. In lodging such an appeal with the Registrar the student should provide a complete statement of all grounds on which the appeal is based.

*For details of Schedule A see **Restrictions upon Re-enrolling** in the University Calendar.

(3) The Appeal Committee shall determine the appeal after consideration of the student's academic record, his/her application for special permission to re-enrol, and the stated grounds of appeal. In exceptional circumstances, the Appeal Committee may require the student to appear in person.

Exclusion

8. (1) A student who is required to *show cause* under the provisions of Rules **1.** or **3.** and either does not attempt to *show cause* or does not receive special permission to re-enroll from the Re-enrolment Committee (or the Appeal Committee on appeal) shall be excluded from re-enrolling in the subject(s) and course(s) on account of which he was required to *show cause*. Where the subjects failed are prescribed as part of any other course (or courses) he/she shall not be allowed to enrol in any such course.

(2) A student who is required to *show cause* under the provisions of Rule **2.** and either does not attempt to *show cause* or does not receive special permission to re-enrol from the Re-enrolment Committee (or the Appeal Committee on appeal) shall be excluded from re-enrolling in any subject he/she has failed twice. *Where the subject failed is prescribed as part of the student's course he/she shall also be excluded from that course.* Where the subject failed is prescribed as part of any other course (or courses) he/she shall not be allowed to enrol in any such course(s).

(3) A student excluded from a course or courses under the provisions of (1) of (2) may not enrol as a miscellaneous student in subjects which may be counted towards any such course.

Re-admission after Exclusion

9. (1) An excluded student may apply for re-admission after the period of exclusion has expired.

(2) (a) Applications for re-admission to a course should be made to the Metropolitan Universities Admission Centre before the closing date for normal applications in the year prior to which re-admission is sought. Such applications will be considered by the Admissions Committee of the relevant Faculty or Board.

(b) An application for re-admission to a subject should be made to the Registrar before 30 November in the year prior to which re-admission is sought. Such applications will be considered by the relevant Head of School.

An application should include evidence that the circumstances which were deemed to operate against satisfactory performance at the time of exclusion are no longer operative or are reduced in intensity and/or evidence of action taken (including enrolment in course(s)) to improve an applicant's capacity to resume studies at the University.

Applications for re-admission to a course or subject that are unsuccessful [see **9.** (2) (a) and (b) respectively] will be reconsidered automatically by the Re-enrolment Committee of the Professorial Board. The decision of the Committee will be final.

10. If students fail a subject at the examinations in any year or session and re-enrol in the same course in the following year or session they must include in their program of studies for that year or session the subject which they failed. This requirement will not be applicable if the subject is not offered the following year or session; is not a compulsory component of a particular course; or if there is some other cause which is acceptable to the Professorial Board, for not immediately repeating the failed subject.

Restrictions and Definitions

11. (1) These rules do not apply to students enrolled in programs leading to a higher degree or graduate diploma.

(2) A subject is defined as a unit of instruction identified by a distinctive subject number.

How do I apply for admission to degree or diploma?

If your current program will enable you to complete all requirements for a degree or diploma, including industrial training where necessary, you should complete the form Application for **Admission to a Degree** by the dates shown in the *Calendar of Dates* and on the *Notification of Examination Results*. The forms are available from the Enquiry Counter at the Chancellery and will be mailed to all potential graduates.

The completion and submission of the form ensures that

1. The correct spelling and sequence of names is recorded on the degree certificate. **2.** Any previous academic qualifications are shown in the graduation ceremony program. **3.** All correspondence relating to the ceremony is forwarded to the correct address. **Note:** If notifying change of address after the form has been submitted an additional form *Final Year Students' Graduation: Change of Address* should be submitted.

If you meet all the requirements, the degree or diploma will be conferred without the necessity for further action by you. Students should advise the Registrar, in writing, if they do not wish to have the degree or diploma conferred for any reason, including the decision to proceed to an honours degree. To ensure that the degree is not conferred advice should reach the Registrar no later than 24 July for students completing at the end of Session 1, and 24 February for those completing at the end of Session 2.

Fees

Fees and penalties quoted are current at the time of publication but may be amended by the University Council without notice.

Do I have to pay fees for tuition?

No tuition fees are charged.

What other fees and charges are payable?

There are other fees and charges which include those charges raised to finance the expenses incurred in operating student activities such as the University Union, the Students' Union, the Sports Association and the Physical Education and Recreation Centre. Penalties are also incurred if a student fails to complete procedures as required. Charges may also be payable, sometimes in the form of a deposit, for the hiring of kits of equipment which are lent to students for personal use during attendance in certain subjects. Accommodation charges, costs of subsistence on excursions, field work etc. and for hospital residence (medical students) are payable in appropriate circumstances.

How much is my contribution to student activities and services on campus?

All students (with the exceptions noted below) will be required to pay the following fees if enrolling for a program involving two sessions. Those enrolling for only one session will pay one-half of the Student Activities Fees, and the full University Union entrance fee, if applicable.

University Union Entrance Fee payable on first enrolment $25

Student Activities Fees

University Union: annual subscription	$45
Sport Association, annual subscription	$6
Students' Union	
Students enrolling in full-time courses, annual subscription	$14
Students enrolling in part-time courses and miscellaneous subjects: annual subscription	$11
Miscellaneous annual fee	$25

The fee is used to finance expenses generally of a capital nature relating to student activities and amenities. Funds are allocated to the various student bodies for projects recommended by the Student Affairs Committee and approved by the University Council.

Are fees charged for examinations?

Generally, there are no charges associated with examinations, however two special examination fees are applied:

Examinations conducted under special circumstances—for each subject	$11
Review of examination result—for each subject	$11

What penalties exist for late payment of fees?

The following additional charges will be made in 1979 when fees are paid late:

1. Failure to lodge enrolment form according to enrolment procedure	$20
2. Payment of fees after end of second week of session	$20
3. Payment of fees after end of fourth week of session	$40

Penalties **1.** and **2.** or **1.** and **3.** may accumulate.

Locations and Hours of Cashier

Cashier's Offices are open during the enrolment periods. Details of locations and hours are listed in *Enrolment Procedures 1979*, a free booklet obtainable from your School or Faculty Office or from the Admissions Office.

Who is exempt from payment of fees?

1. Life members of University Union, Sports Association and Students' Union are exempt from the relevant fee or fees.

2. Students enrolled in courses classified as *External* are exempt from all Students Activities Fees and the University Union entrance fee

3. University Union fees and subscriptions may be waived by the Deputy Registrar (Student Services) for students enrolled in graduate courses in which the formal academic requirements are undertaken at a part of the University away from the Kensington campus.

4. Students who while enrolled at and attending another university (or other tertiary institution as approved by the Vice-Chancellor) in a degree or diploma course are given approval to enrol at the University of New South Wales but only in a miscellaneous subject or subjects to be credited towards the degrees or diplomas for which they are enrolled elsewhere are exempt from all Student Activities Fees and the University Union entrance fee.

5. Undergraduate students of a recognized university outside Australia who attend the University of New South Wales with the permission of the Dean of the appropriate faculty and of the Head of the appropriate school or department to take part as miscellaneous students in an academic program relevant to their regular studies and approved by the authorities of their own institution are exempt from all Student Activities Fees and the University Union entrance fee.

6. Graduate students not in attendance at the University and who are enrolling in a project only, other than for the first time, are exempt from all Student Activities Fees.

7. Graduate students resubmitting a thesis or project only are exempt from all Student Activities Fees.

8. All Student Activities Fees, for one or more sessions may be waived by the Deputy Registrar (Student Services) for graduate students who are given formal permission to pursue their studies at another institution for one or more sessions.

Is exemption from membership possible?

The Registrar is empowered to grant exemption from membership of the Students' Union and the Sports Association to students who have a genuine religious objection to such membership, subject to payment of the prescribed fees to the University.

How much will textbooks and special equipment (if any) cost?

You must allow quite a substantial sum for textbooks. This can vary from $250 to $600 per year depending on the course taken. These figures are based on the cost of new books. The Students' Union operates a second-hand bookshop. Information about special equipment costs, accommodation charges and cost of subsistence on excursions, field work, etc, and for hospital residence (medical students) are available from individual schools.

Will I receive any refund if I withdraw from a course?

Yes. The following rules apply:

1. If you withdraw from courses you are required to notify the Registrar in writing.

2. Where notice of withdrawal from a course is received by the Registrar before the first day of Session 1 a refund of all fees paid will be made. After that time only a partial refund will be made. See the Calendar for details.

What happens if I fail to pay the prescribed fees or charges?

If you fail to pay prescribed fees or charges or become otherwise indebted to the University and you fail to make a satisfactory settlement of your indebtedness upon receipt of due notice then you cease to be entitled to the use of University facilities. You will not be permitted to register for a further session, to attend classes or examinations, or be granted any official credentials. In the case of a student enrolled for Session 1 only or for Sessions 1 and 2 this disbarment applies if any portion of fees is outstanding after the end of the eighth week of Session 1 (27 April 1979). In the case of a student enrolled for Session 2 only, this disbarment applies if any portion of fees is outstanding after the end of the sixth week of Session 2 (31 August 1979).

In special cases the Registrar may grant exemption from disqualifications referred to in the preceding paragraph upon receipt of a written statement setting out all relevant circumstances

Can I get an extension of time to pay?

If you apply before the due date and extenuating circumstances exist, an extension of time may be granted. Apply to the Deputy Registrar (Student Services).

Examinations

When are examinations held?

Examinations for Session 2 and for Full Year subjects are held in November/December. Examinations for Session 1 subjects are held during the Midyear Recess. Provisional timetables indicating the dates and times of examinations and notices of the location of examinations are posted on the University notice boards on the campus, including the Western Grounds Area. Final timetables indicating the dates, times, locations and authorized aids are available for students two weeks before the end of each session. You must advise the Examinations Unit (the Chancellery) of any clash in examinations. Details of dates are published in the **Calendar of Dates** (see pages 2-4 for May/June and October/November).

Misreading of the timetable is not an acceptable excuse for failure to attend an examination.

In the assessment of your progress in University courses, consideration may be given to work in laboratory and class exercises and to any term or other tests given throughout the year as well as to the results of written examinations

How are examination passes graded?

Passes are graded: High Distinction, Distinction, Credit and Pass. Satisfactory indicates the satisfactory completion of a subject for which graded passes are not available. A Pass Conceded may be granted to a student whose mark in a subject is slightly below the standard required for a pass but whose overall satisfactory performance warrants this concession.

A Terminating Pass may be granted where the mark for the subject is below the required standard. A Terminating Pass will not permit a student to progress further in the subject or to enrol in any other subject for which a pass in the subject is a co-requisite or prerequisite. A student given a Terminating Pass may attempt a deferred examination, if available, to improve his performance but should he fail in such attempt, the Terminating Pass shall stand.

When are examination results available?

Final examination results will be posted to your term address (which can be altered up to 30 November) or to your vacation address (fill in a form obtainable at the Information Desk, Chancellery, also by 30 November). Results are also posted on School notice boards and in the foyer of the Sir John Clancy Auditorium. No examination results are given by telephone.

Can examinations results be reviewed?

Examination results may be reviewed for a fee of $11 a subject, which is refundable in the event of an error being discovered. This review consists mainly of ensuring that all questions attempted have been marked and of checking the total of the marks awarded. Applications for review must be submitted on the appropriate form to the Examinations and Student Records Section together with the necessary fee by the dates printed on the reverse side of *Notification of Results*.

Are allowances made if students are sick before or during an examination?

A student who through serious illness or other cause outside his control *is unable to attend an examination* is required to bring the circumstances (supported by a medical certificate or other evidence) to the notice of the Registrar *not later than seven days after the date of the examination*.

A student who believes that his performance in a subject has been affected by serious illness *during the year* or by other cause outside his control, and who desires these circumstances to be taken into consideration in determining his standing, is required to bring the circumstances (supported by a medical certificate or other evidence) to the notice of the Registrar as soon as the circumstances are known but *not later than seven days after the date of the examination*.

A student who attempts an examination, yet claims that his performance is prejudiced by sickness *on the day of the examination* must notify the Registrar or Examination Supervisor *before, during or immediately after the examination* and may be required to submit to medical examination.

When submitting a request for consideration candidates are required to give details of their registration number, address, course, specialization, year or stage, full or part-time and subject number, title and date of the examination affected.

A student suffering from a physical disability which puts him at a disadvantage in written examinations should apply to the Assistant Registrar, Examinations and Student Records Section (Ground Floor, the Chancellery) immediately the disability is known. If necessary, special arrangements will made to meet the student's requirements.

Use of electronic calculators

Where the use of electronic calculators has been approved by a faculty or school, examiners may permit their use in examinations. Authorized electronic calculators are battery operated with the minimum operations of addition, subtraction, multiplication and division and are of a type in common use by university students. They are not provided by the University, although some schools may make them available in special circumstances.

Compulsory Industrial Training

Examinations including deferred examinations will not be permitted away from the campus unless the candidate is engaged on *compulsory* industrial training. Candidates must advise the Officer-in-Charge, Examinations Unit, immediately the location of the industrial training is known. Special forms for this purpose are available at the Enquiry Desk, the Chancellery.

Arrival at Examinations

Examination rooms will be open to students 25 minutes before the commencement of the examination. Candidates are requested to be in their places at least 15 minutes before the commencement to hear announcements. The examination paper will be available for reading 10 minutes before commencement.

Use of Linguistic Dictionaries

All answers must be in English unless otherwise directed. Foreign students who have the written approval of the Assistant Registrar, Examinations and Student Records Section, may use standard linguistic dictionaries. Dictionaries should be presented for approval, not later than 14 days before the commencement of the examination period.

How are examinations conducted?

Examinations are conducted in accordance with the following rules and procedure:

1. Candidates are required to obey any instruction given by an examination supervisor for the proper conduct of the examination.

2. Candidates are required to be in their places in the examination room not less than 10 minutes before the time for commencement.

3. No bag, writing paper, blotting paper, manuscript or book, other than a specified aid is to be brought into the examination room.

4. No candidate shall be admitted to an examination after 30 minutes from the time of commencement of the examination.

5. No candidate shall be permitted to leave the examination room before the expiry of 30 minutes from the time the examination commences.

6. No candidate shall be re-admitted to the examination room after he has left it unless during the full period of his absence he has been under approved supervision.

7. A candidate shall not by an improper means obtain, or endeavour to obtain, assistance in his work, give, or endeavour to give, assistance to any other candidate, or commit any breach of good order.

8. Smoking is not permitted during the course of examinations.

9. A candidate who commits any infringement of the rules governing examinations is liable to disqualification at the particular examination, to immediate expulsion from the examination room, and to such further penalty as may be determined in accordance with the By-laws.

Abolition of Deferred Examinations

The system of formal deferred examinations administered by the Registrar's Division was abolished from 1 March 1978. Schools and Faculties may carry out whatever additional assessment may be considered appropriate, including assessment or additional assessment on medical or compassionate grounds.

Can I buy copies of previous examination papers?

Yes—for 5¢ each from the University Union's Upper Campus Shop in the Commerce Building.

Essays

Should I list my sources?

Students are expected to acknowledge the sources of ideas and expression that they use in submitted work. To provide adequate documentation is not only an indication of academic honesty but also a courtesy enabling the marker to consult your sources with ease. Failure to do so may constitute plagiarism, which is subject to a charge of academic misconduct.

Student Conduct on Campus

Is there a detailed code of rules related to the general conduct of students?

No. The University has not considered it necessary to formulate a detailed code of rules relating to the general conduct of students.

Now that you have become a member of the University you should understand that this involves an undertaking on your part to observe its rules, by-laws and other requirements, and to pay due regard to any instructions conveyed by any officer of the University.

What are the rules related to attendance at classes?

You are expected to be regular and punctual in attendance at all classes in the course or subject in which you are enrolled. All applications for exemption from attendance at lectures or practical classes must be made in writing to the Registrar.

In the case of illness or of absence for some other unavoidable cause you may be excused by the Registrar for non-attendance at classes for a period not more than one month or, on the recommendation of the Dean of the appropriate Faculty, for a longer period. Applications should be addressed to the Registrar and, where applicable, should be accompanied by a medical certificate. If assessment procedures have been missed, this should be stated in the application.

If you attend less than 80 per cent of possible classes, you may be refused final assessment in that subject.

Why is my University and Union card important?

All students enrolled for courses leading to degrees and/or diplomas, except those exempt from fees, are issued with a University and Union membership card. Your card must be carried during attendance at the University and shown on request.

The number appearing on the front of the card above your name is your student registration number used in the University's records. This number should be quoted in all correspondence.

The card must be presented when borrowing from the University libraries, when applying for travel concessions and when notifying a change of address. It must also be presented when paying fees on re-enrolment each year when it will be made valid for the year and returned. Failure to present the card could result in some inconvenience in completing re-enrolment.

If you lose your card it is important to notify the University Union as soon as possible.

New students will be issued with cards on enrolment.

Why should I inform the University if I change my address?

If you change your address you should notify the Student Records Section of the Registrar's Division as soon as possible. Failure to do this could lead to important correspondence (including examination results) not reaching you. The University cannot accept responsibility if official communications fail to reach students who have not notified their change of address. Change of Adress Advice Forms are available at Faculty and School offices and at the Enquiry Desk on the Ground Floor of the Chancellery Building.

All communications from the University, including examination results, will be sent to the session address. Change of address advice will be accepted up to 30 November, except for final-year students wishing to change their *Submission of Details Associated with Graduation* form. Changes to this form will be accepted up to a date four weeks before the student's graduation ceremony.

Will the University release information to third parties without my permission?

In general, no. The University treats examination results and information it receives from a student as confidential and will not reveal such information to third parties without the permission of the student except at the discretion of senior officers in circumstances considered of benefit to the student and when it is either impossible or impracticable to gain the student's prior permission. This happens rarely. This policy is considered so important that it often involves officers of the University in very difficult situations, for example, when they must refuse to reveal the address of a student to parents or other relatives.

In spite of the policy, there are sometimes accusations made that the University has revealed information, including addresses (especially to insurance companies).

All students should be aware that students' addresses are eagerly sought by various commercial agents and that sometimes tricks are used to obtain them. For example, from time to time people claiming to be from the University telephone students or their families and ask for information (usually another student's address) which is often given, unsuspectingly. There is evidence that this is a technique used by commercial agents.

It would be generally helpful if students (and their families and friends) are cautious in revealing information, making it a practice to ask the name, position, and telephone extension of any caller claiming to be from the University and, if suspicious, returning the call to the extension given.

How are student records kept up to date?

Enrolment details forms will be sent to all students on 28 April and 15 September. It is not necessary to return these forms unless any information recorded thereon is incorrect. Amended forms must be returned to the Examinations and Student Records Section within fourteen days. Amendments notified after the closing date will not be accepted unless exceptional circumstances exist and approval is obtained from the Registrar. Amended forms returned to the Registrar will be acknowledged in writing within 14 days.

Is there any rule related to the ownership of students' work?

Yes. The University reserves the right to retain at its own discretion the original or one copy of any drawings, models, designs, plans and specifications, essays, theses or other work executed by you as part of your courses, or submitted for any award or competition conducted by the University.

Can I get a permit to park on campus?

Only a limited amount of parking is available on campus. Copies of the University's parking rules may be obtained on application to Room 240, Chancellery Building.

Lost Property?

All enquiries concerning lost property should be made to the Superintendent on extension 3580 or to the Lost Property Office at the Union.

Further Information

Where can I get further information concerning courses, admission requirements, scholarships and enrolment procedure?

General

Any student who requires information on the application of these rules or any service which the University offers, may make enquiries in the Chancellery and in case of difficulties should visit the office of the Deputy Registrar (Student Services).

Notices

Official University notices are displayed on the notice boards and students are expected to be acquainted with the notices which concern them. These boards are in the Biological Sciences Building, the Mathews Building, the Chancellery (lower ground floor), Central Lecture Block, Dalton Building (Chemistry), Electrical Engineering Building, Main Building (Physics and Mining Engineering) and in the Western Grounds Area.

Notices are placed on the University notice boards each month detailing forthcoming important dates. Any change to the *Calendar of Dates* is included in these notices.

Appeals

Section 5(c) of Chapter III of the By-laws provides: 'Any person affected by a decision of any member of the Professorial Board

(other than the Vice-Chancellor) in respect of breach of discipline or misconduct may appeal to the Vice-Chancellor, and in the case of disciplinary action by the Vice-Chancellor, whether on apeal or otherwise, to the Council'.

The Calendar

Please consult the Calendar if you want a more detailed account of the information contained in this section.

Vice-Chancellor's Official Welcome to New Students

All students initially enrolling in the University are officially welcomed by the Vice-Chancellor and Principal at the following times:

Full-time Students

In the Faculties of Architecture, Arts, Biological Sciences, Commerce, Law:

Monday 26 February 1979
11 am in the Clancy Auditorium

In the Faculties of Applied Science, Engineering, Medicine, Professional Studies, Science, and the Board of Studies in Science and Mathematics:

Tuesday 27 February 1979
11 am in the Clancy Auditorium

Part-time Students

Tuesday 27 February 1979
6.30 pm in the Clancy Auditorium

Meeting for Parents of New South Wales

Friday 2 March 1979
7.30 pm in the Clancy Auditorium

Faculty Information

Who to Contact

If you require advice about enrolment, degree requirements, progression within courses or any other general faculty matters contact one of the following:

Ms S. Watt, Administrative Assistant, Faculty of Arts (Room G1, Morven Brown Building)

Dr I. D. Black, Executive Assistant to the Dean of the Faculty of Arts
(Room 370, Morven Brown Building).

For information about the BA DipEd course program, contact:

Dr P. A. Meade, School of Education, extension 3281 or Ms J. Wholohan, School of Education, extension 3483.

For information and advice about subject content and requirements, contact the appropriate schools.

School of Drama
Senior Lecturer and Acting
Head of School
Dr O. Fiala

School of English
Head of School
Professor H. J. Oliver

School of French
Head of School
Professor J. Chaussivert

School of German
Head of School
Professor J. Milfull

School of History
Head of School
Professor F. K. Crowley

School of History and Philosophy of Science
Head of School
Professor J. Ronayne

School of Philosophy
Head of School
Professor C. L. Hamblin

School of Political Science
Head of School
Professor D. MacRae McCallum

School of Russian
Head of School
Professor T. Cizova

School of Sociology
Head of School
Professor C. R. Bell

School of Spanish and Latin American Studies
Head of School
Professor R. Johnson

Important: As changes may be made to information provided in this handbook, students should frequently consult the noticeboards of the schools and the official noticeboards of the University.

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Faculty of Arts Enrolment Procedures

All students re-enrolling in 1979 should obtain a copy of the free booklet *Enrolment Procedures 1979* available from School Offices and the Admissions Office. This booklet provides detailed information on enrolment procedures and fees, enrolment timetables by Faculty and course, enrolment in miscellaneous subjects, locations and hours of Cashiers and late enrolments.

Faculty of Arts Library Facilities

Although any of the University Libraries may meet specific needs, staff and students of the Faculty of Arts are mainly served by the Social Sciences and Humanities Library and the Undergraduate Library.

The Social Sciences and Humanities Library

This library is designed to serve the specialized reference and research needs of staff, graduate students and senior Undergraduate students.

All students are welcome to use the library and to borrow books from it. The main entrance to the Social Sciences and Humanities Library can be reached by taking the lift to Level 4 of the library building.

Social Sciences & Humanities Librarian   Alan Walker

The Undergraduate Library

This library caters for the library needs of first and second year students and other groups where large numbers require mass teaching. It provides a reader education program and reader assistance service aimed at teaching students the basic principles of finding information.

Services of particular interest to undergraduates and academic staff are:

• **The Open Reserve Section,** housing books and other materials which are required reading.

• **The Audio-Visual Section,** containing cassette tapes, mainly lectures and other spoken word material. The Audio-Visual Section has wired study carrels and cassette players for student use.

Undergraduate Librarian   Pat Howard

Student Clubs and Societies

Students have the opportunity of joining a wide range of clubs and societies. Many of these are affiliated with the Students' Union. There are numerous religious, social and cultural clubs and also many sporting clubs which are affiliated with the Sports Association.

Clubs and societies seeking to use the name of the University in their title, or seeking University recognition, must submit their constitutions either to the Students' Union or the Sports Association if they wish to be affiliated with either of these bodies, or to the Registrar for approval by the University Council.

Historical Society

The Historical Society was formed to assist students of History to develop an interest in the subject outside their formal studies.

In pursuit of this objective the Society presents guest speakers, holds film showings, and holds cocktail parties, and arranges other functions. It is hoped, this year, to expand the program to include as wide a variety of activities as possible to cater for the interests of as many students as possible.

All students and staff in the School of History are members of the Historical Society, and with the payment of a small activities fee qualify to attend social functions either at a reduced price or at no charge at all.

Please address all enquiries to the School of History, or to: The Secretary, UNSW Historical Society, School of History, The University of New South Wales, PO Box 1, Kensington, NSW 2033.

Dramsoc (University of NSW Dramatic Society)

Dramsoc is one of the oldest of the University Societies and in recent time has enjoyed a period of rapid growth. We hope to have a most comprehensive program of plays, play-readings, and revues. We wish to encourage many active new members. For further information write to: Dramsoc, 55 Carrington Rd, Randwick, NSW 2031, or telephone: 398 4794.

The French Society

The main aim of the French Society is to afford students the opportunity of expressing their interests in French language and culture. This is being done presently through a wide range of social activities including dinners, wine and cheese soirées, films, a play production and so on. Possibilities for enjoying French language and culture are endless but depend on the initiative and motivation of students of the School.

The Society is also oriented to developing informal relations between students and staff. Frank discussion has helped establish in the School a friendly and informal atmosphere.

Pre-term enquiries should be addressed to the French Society through the School of French.

Socratic Society

The purpose of the Socratic Society is to promote discussion on controversial and intellectually stimulating topics.

The Society has no views, except that discussion is a good thing: its members have a diversity of views and find that its seminars and meetings provide an excellent opportunity to express them.

Membership of the Society is not in any way limited to one School or Faculty and the matters discussed cover a very wide field. The Society organizes regular public meetings, private meetings and seminars.

Further information may be obtained from the School of Philosophy.

The English Society

Concerned to provide the opportunity for interesting discussions on all types of literature, the English Society, the literary society of the University, meets frequently during term, at intervals of a fortnight or less. With a predominantly student membership, the society engages in informal meetings, generally taking the form of a short paper followed by discussion. Wine and supper are provided at each meeting. Topics for papers are by no means confined to writers on the English syllabus, nor are speakers all drawn from the University of New South Wales.

Further information may be obtained from Professor R. G. Geering (School of English), extension 2246.

The German Society

The German Society aims to provide an opportunity for students and members of staff with an interest in things German to meet each other and exchange views.

The Society organizes a varied program of film nights, dinners, excursions, talks, and other social gatherings.

Further details may be obtained from the Secretary of the School of German.

Scientia

Scientia is the Society of the School of History and Philosophy of Science. Its aims are to develop interest in history and philosophy of science, both in general and as an academic discipline, to further the unification of the sciences and the humanities, and to provide an opportunity for informal meetings of staff and students. Activities centre on a program of lectures by visiting speakers and seminars at which members' papers are read and discussed.

Membership is open to all members of the University and is free to students enrolled in courses in the School of History and Philosophy of Science.

The Geographical Society

It is hoped that students taking geography as a subject will participate in the activities organized by the Geographical Society. The Society is relatively new and is therefore open to new ideas and to people who are concerned with fostering an interest in the subject. Lectures and informal discussion groups are organized so that students can have the opportunity of listening to experts in the various fields of geography.

Social activities have always been an important part of the Society and they have provided more than adequate opportunities for students to get to know each other and for students and staff to improve communications.

The Psychology Society

The Psychology Society aims to provide activities both educational and social for students of psychology, and, more generally, to act as an intermediary body between students and staff. While psychology is one of the most popular subjects available to Arts students, many students have only a vague conception of psychology and are unsure where their courses will lead them.

One of the aims of the Psychology Society is to provide information relevant to these matters. Last year a highly successful careers seminar was held, in which speakers from various areas of psychological practice discussed requirements and opportunities in their respective fields. In a School so large it is difficult to develop a meaningful degree of personal contact between students of different years and students and staff. The Society attempts to provide opportunities for such contact, to foster staff-student relations and to act in the interest of psychology students as a whole. Accordingly, we hope to include such items as staff-student luncheons, informal discussions and theatre parties. On the educational side there are film showings and occasional talks and seminars (eg on careers, course requirements, etc). An activities fee enables the committee to meet any of the finances needed to support its functions.

3400
The Degree Course of Bachelor of Arts

The Faculty of Arts offers three BA degree courses: the Pass BA (normally requiring six sessions of study over three years), the BA with General Honours, and the BA with Special Honours (both requiring two additional sessions of study). The **Rules Governing the Award of the Degree of Bachelor of Arts** are set out later in this handbook, and their requirements must be fulfilled before the Degree is awarded.

A BA degree course may be taken concurrently with the Diploma in Education course (see Course Number 3410 in this handbook). Combined degrees in Arts/Law and in Arts/Engineering are also offered (see the handbooks of the Faculties of Law and Engineering).

Programs leading to the award of Pass and Honours degrees are offered in:

Drama, Economic History, Economics, English, French, Geography, German, History, History and Philosophy of Science, Industrial Relations, Mathematics, Political Science, Psychology, Sociology, Spanish and Latin American Studies, and Statistics.

Other subjects offered include Russian, Biology, Chemistry, Computer Science and Physics. See the section of this handbook entitled **Subject Descriptions** for further information about subjects offered.

The basic unit of study in the Faculty is a session subject of fourteen weeks with a value of one unit. (Some Schools offer two-session subjects and other subjects of which the unit values vary.) The minimum number of units required for the degree is:

BA (Pass): 18
BA (General Honours): 22
BA (Special Honours): 16 plus Honours Level program.

Students in their first and second sessions of study must enrol for at least two and not more than four units in each session. No student may enrol for more than four units in any one session.

Subjects are offered at various levels. Subjects designed primarily for students in their first and second sessions of study are termed Level One subjects. Subjects designed for subsequent study are termed Upper Level subjects. Subjects designed primarily for students proceeding to the Special Honours degree are termed Advanced Level subjects. No more than ten Level One units may be counted to the Pass and General Honours degrees, and no more than eight Level One units may be counted to the Special Honours degree.

Many subjects have pre- or co-requisites. A prerequisite for a subject must have been completed before enrolment in that subject. A co-requisite must be taken concurrently with the subject, unless already completed.

For details of the levels at which subjects are offered, their unit values, the sessions in which they are offered, and their pre- or co-requisites, see **Schedule A.**

Every student is required to complete a Major Sequence. A 'Major' is an approved sequence of at least four Upper or Advanced level units in one School (or in Schools offering associated subjects), following completion of two Level One units. For details of Major Sequences, see **Schedule B.**

Although the Rules for the Degree require only one Major, it is quite possible and common for students to complete two. Most students prefer to keep their options open in their first and second sessions of study by satisfying the Level One requirements for Majors in at least two Schools:

Programs

By reference to Schedules A and B students should work out their proposed programs before enrolling for the first time, and carefully review them before subsequent enrolments. Students enrol for both sessions of the calendar year at the beginning of Session 1, but they may subsequently vary their enrolment for Session 2 subjects. A student who in Session 1 fails to complete a prerequisite for a Session 2 subject must, of course, amend his/her enrolment for Session 2.

Pass Degree

See Rules Governing the Award of the Degree, 1-13.

The normal progression for a Pass degree course is:

Session 1 and 2 8 Level 1 units (usually in 4 subjects).

Session 3 and 4 6 Upper Level units.

Session 5 and 6 4 Upper Level units.

However, the progression may be varied so long as it complies with the Rules.

General Honours Degree

See Rules Governing the Award of the Degree, 1-19.

Students may apply to study for the award of a General Honours degree after completing eighteen units under the Rules for the Pass Degree and obtaining Credit grades or better in at least five Upper Level units. The student should discuss his/her Honours program with the School(s) concerned, and apply for Faculty's approval of the program through the Executive Assistant to the Dean of the Faculty.

Special Honours Degree

See Rules Governing the Award of the Degree, 1-13 and 20-23.

The normal progression for the award of a Special Honours degree is:

Session 1 and 2 8 Level 1 units (usually in 4 subjects).

Session 3 and 4 2 Advanced Level units in the School in which the student is proposing to take Honours, together with 2 Upper Level units in another School.

Session 5 and 6 4 Advanced Level units in the School in which the student is proposing to take Honours.

Session 7 and 8 Honours Level program.

However, the sequence may be varied so long as it complies with the Rules. It should be noted that the prerequisites for Honours vary between Schools, and a student proposing to take Honours must consult the School concerned about his/her program preferably before enrolling in the third session of study. A student proposing to study for the award of a combined Special Honours degree should note especially Rule 22.

3410
The Degree Course of Bachelor of Arts Diploma in Education

The concurrent course in Arts/Education leads either to the award of the Pass degree, requiring four years of study, or to the award of the Honours degree, requiring five years of study. The arts component of the course, for Pass or Honours degrees, is equivalent to corresponding programs leading to the award of the degree of BA at Pass or Honours level.

Arts Component

Pass Degree

Students are required to complete subjects to the value of 18 units from those offered in the degree of BA course (See **Schedule A** for the unit values of subjects). The 18 units must include an approved sequence of at least 6 units in one of the subjects listed below (Table 1) and a sequence of at least 4 units in another of these subjects.

Table 1

Drama	History
Economics	Mathematics
Economic History	Political Science
English	Psychology
French	Russian
Geography	Sociology
German	Spanish

Honours Degree

Students are required to complete:

1. over four years an approved sequence of 8 units in one of the subjects listed above (Table 1) plus any additional work required for admission to the Honours level program in this subject,

2. in their first and second years a sequence of 4 units in another of the subjects listed in Table 1,

3. 4 additional units from those offered for the degree of BA,

4. in their fifth year an approved Honours level program.

Education Component

Students are required to complete work in Education Studies and Method in the second, third and fourth years of the course, and to undertake practical teaching. For details students should consult the School of Education in the Faculty of Professional Studies.

Undergraduate Study

Rules Governing the Award of the Degree of Bachelor of Arts

General

1. The degree of Bachelor of Arts may be conferred as a Pass Degree, as a General Honours Degree, or as a Special Honours Degree in one or two Schools. There shall be three classes of Honours, namely, Class I, Class II in two Divisions, and Class III.

2. No person shall be permitted to enrol in any qualifying unit for the Degree of Bachelor of Arts at the same time as he is enrolled for any other degree or diploma in this University or elsewhere except in the case of recognized combined degrees.

3. A candidate for the Degree of Bachelor of Arts shall enrol for at least two units in each of the first and second sessions of the first year of study. A candidate may not enrol for more than four units in any one session.

4. Enrolment in a unit shall be conditional on the candidate's meeting the prerequisites and co-requisites prescribed for that unit.

5. A candidate who has

(1) attended such lectures, seminars and tutorials as are prescribed for a unit;

(2) performed satisfactorily such exercises, laboratory work, essays and thesis as may be prescribed in a unit;

(3) passed such examinations as may be prescribed for a unit,
shall be regarded as having completed that unit.

6. Subject to provisions of Rules **2.** and **7.**, a candidate may be permitted to complete concurrently at another university not more than three courses or six units and to count such courses or units towards the Degree provided that permission shall not be granted under this clause to complete courses or units from another university which are taken by way of external study or which are available at the University of New South Wales.

7. An applicant seeking advanced standing or a candidate wishing to take courses at another University shall first submit in writing to Faculty a statement of the courses or units for which he seeks credit or which he wishes to complete at the other university together with a list of the remaining units that he proposes to complete within the Faculty in order to qualify for the degree. Faculty shall then determine the courses or units, if any, for which credit is to be granted or the courses or units which the applicant may complete at the other university and count towards the degree, and shall also determine the remainder of the applicant's program within the Faculty.

8. (1) Upon sufficient cause being shown in a particular case or cases Faculty may vary the requirements of any of these rules. Any request for variation of Rule **20.** shall be accompanied by a letter from the Head or Heads of Schools concerned supporting the proposed variation.

(2) A candidate enrolled in the combined Arts/Law course who successfully completes all subjects and units prescribed for the first three years of the course (including the correct sequences of Arts units) shall be eligible for the award of the pass degree of Bachelor of Arts. Any such candidate who wishes to proceed to the Honours degree of Bachelor of Arts shall complete such additional work as may be prescribed by the Head or Heads of Schools concerned and approved by Faculty.

9. Faculty shall determine the standing in relation to these rules of candidates who first enrolled before 1 January 1975 and who wish to re-enrol after that date.

Pass Degree

10. A candidate shall complete over no fewer than six sessions eighteen of the units listed in Schedule A.

11. Of the eighteen units which a candidate shall complete:

(1) four shall be Upper Level units comprising a major sequence chosen from those listed in Schedule B;

(2) no more than ten shall be Level I units;

(3) no more than two Level I units and six Upper Level units shall be taken in one subject.

12. Units offered by other faculties or boards of studies which do not correspond to session units in the Faculty of Arts and sub-units offered at Upper Level within the Faculty of Arts may also be counted towards the total of eighteen units specified in Rule **10.** Faculty shall determine the value of such units in terms of fractions of a session unit.

13. Faculty may consider the award of the degree to a student who, over at least six sessions of study, has completed sixteen units, provided:

(1) that he has satisfied the other requirements for the degree;

(2) that he has completed at least four Advanced Level units.

General Honours Degree

14. A candidate for the General Honours Degree shall complete twenty-two units over no fewer than eight sessions of study.

15. Eighteen of the twenty-two units shall be completed under Rules **1.** to **13.** If, on completing these units the candidate has obtained a pass at credit level or better in at least five Upper Level units, he may apply to Faculty for acceptance as a General Honours Degree candidate.

16. The remaining four units shall be Advanced Level units and shall be completed within two sessions. A candidate may seek permission from a Head of School to undertake Honours Level units in place of one or more of these additional Advanced Level units.

17. The four additional units shall be completed with a pass at credit level or better.

18. Faculty shall determine the class of Honours to be awarded on the basis of the candidate's academic record.

19. Where a candidate for General Honours fails to reach credit level in these four additional units, he may proceed to graduation with a Pass Degree.

Special Honours Degree

20. A student who wishes to proceed to Honours Level shall have completed sixteen units including no more than eight Level I units under Rules **1.-13.** above and have satisfied the prerequisites laid down by the School or Schools concerned.

21. In the seventh and eighth sessions of study, a candidate shall complete two Honours Level units and any other work set by the relevant School. These two units together shall be regarded as comprising a double unit and a final grade shall be determined only at the end of the eighth session of study.

22. The Special Honours Degree may also be taken as a Combined Special Honours Degree in two Schools. Students wishing to proceed to the Combined Special Honours Degree shall normally be required to undertake a program in their fifth and sixth sessions of study consisting of two Advanced Level units (or their equivalent) in each of the two subjects concerned (in special circumstances, a student may be permitted by the Executive Sub-committee of Faculty to enrol in an additional unit or units), followed in the seventh and eighth sessions of study by one Honours Level unit in each School and such other work as the two Heads of Schools may jointly require. such program be approved by Faculty through its Executive Sub-committee.*

23. In special circumstances a person on whom the Pass Degree of Bachelor of Arts has been conferred may be admitted by Faculty to candidature for the Special Honours Degree with credit for all units completed if during his studies for the Pass Degree he has satisfied the prerequisites for proceeding to Honours Level laid down by the School or Schools concerned.

*Students who wish to proceed to the Combined Special Honours Degree must consult the Heads of Schools concerned at the latest before the end of their fourth session of study as the prerequisite units required for entry to the Combined Honours Levels units may differ from those required from the ordinary Special Honours Degree.

Undergraduate Study

Courses available for the Degree of Bachelor of Arts

Schedule A

The following is a list of units arranged alphabetically by subject discipline, which are available for study in the Faculty of Arts. The list shows details of prerequisites, co-requisites and exclusions (units which cannot be taken in addition to the unit listed).

Intending Honours students should examine carefully the prerequisites for admission to the Honours year. These are set out in more detail in the Subject Descriptions in this handbook.

Information Key

The following is the key to the information supplied about each subject in the table below: F (Full year, ie both sessions); S1 (Session 1); S2 (Session 2); SS (single session, ie *one* only); I, II, III (Levels I, II, III); U (Upper Level); A (Advanced Level); H (Honours Level); Hpw (Hours per week).

HSC Exam Prerequisites

Subjects which require prerequisites for enrolment in terms of the HSC Examination percentile range, refer to the 1978 HSC Examination.

Candidates for enrolment who obtained the HSC in previous years or who hold other high school matriculation should check with the appropriate School on what matriculation status is required for admission to a subject.

Biology**

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
17.031	Cell Biology	I	1	S1	6	2 unit Science (any strand) at HSC Exam percentile range 31-100 *or* 4 unit Science (multi-strand) at HSC Exam percentile range 31-100		
17.021	Biology of Higher Organisms	I	1	S2	6	17.031 Terminating pass acceptable		

** No more than four units may be chosen from this list.

Biology (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
17.012	Gen. Ecology	II	1	S2	6	17.001 or 17.011 and 17.021 or 17.031 and 17.021		
43.101	Introductory Genetics	II	1	S2	6			
43.111	Flowering Plants	II	1	S1	6			
43.112	Plant Taxonomy*	III	1	S2	6	43.111	43.101	
43.131	Fungi and Man	II	1	S1	6	17.001 or 17.011 and 17.021 or 17.031 and 17.021		
43.132	Mycology and Plant Pathology	III	1	S2	6	43.131		
43.162	The Plant Kingdom*	III	1	S2	6	43.111		
45.101	Biometry	II	1	S1	6	17.001 or 17.011 and 17.021 or 17.031 and 17.021		
45.201	Invert. Zoo.	II	1	S2	6	17.001 or 17.011 and 17.021 or 17.031 and 17.021		
45.301	Vert. Zoo.	II	1	S1	6	17.001 or 17.011 and 17.021 or 17.031 and 17.021		

*These units alternate each year. 43.162 is given in 1979.

Chemistry

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
2.111	Introductory Chemistry	I	1	S1	6	None		
2.121	Chemistry IA	I	1	S1 or S2	6	2.111 or 2 unit Science (any strands) at HSC Exam percentile range 31-100 or 4 unit Science (multi-strand) at HSC Exam percentile range 31-100		No more than two first level units may be counted towards the BA degree
2.131	Chemistry IB	I	1	S1 or S2	6	2.111 or 2.121		
2.002A	Physical Chemistry	II	2/3	SS	6	2.121, 10.011 or 10.001 or 10.021B and 10.021C		
2.002B	Organic Chemistry	II	2/3	For SS	6	2.131		
2.002D	Analytical Chemistry	II	2/3	For SS	6	2.121 and 2.131, 10.001 or 10.011 or 10.021B and 10.021C		
2.042C	Inorganic Chemistry	II	2/3	For SS	6	2.121 and 2.131		

Computer Science

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
6.600	Introduction to Computers	II	1	S2	5			
6.620	Introduction to Computing Science	II	1	S1	5	10.001		
6.620*	Introduction to Computer Science	II	1	F	2½	10.001		
6.646	Computer Application	III	1	S1	5	6.620†		6.602C

*Offered only in the evening.
†Students completing 6.600 at a grade of credit or better may be able to undertake this course with permission.

Drama

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
57.121	Introduction to the Theatre	I	1	S1	5			
57.122	Modern Theatre	I	1	S2	5	57.121		
57.123	The Play in Performance I	U	1	S1	4	57.122†		57.531
57.124	The Play in Performance II	U	1	S2	4	57.123†		
57.125	Form and Idea in Drama 1900-1950	U	1	S1	3	57.103		57.533 57.534
57.126	Form and Idea in Drama from 1950	U	1	S2	3	57.125†		57.533 57.534
57.135	Film 1	U	1	S2	3	57.103		57.533 57.534
57.136	Film 2	U	1	S1	3	57.135†		57.533 57.534
57.137	Film 3	U	1	S2	3	57.136†		57.533 57.534
57.145	Australian Drama and Theatre	U	1	S1	3	57.103		57.533 57.534
57.146	Theatre Arts in Education	U	1	S1	3	57.502†		57.533 57.534
57.150	Puppetry	U	1	S2	3	57.103		57.533 57.534
57.155	Radio Drama	U	1	S1	3	57.103		57.533 57.534
57.156	Classical French Theatre	U	1	S1	3	57.103		57.533 57.534
57.501	Elizabethan and Jacobean Theatre and Drama	U	1	S2	3	57.103		57.533 57.534

Drama (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
57.502	The Uses of Drama	U	1	S2	3	57.103		57.533 57.534
57.503	Drama in Teaching	U	1	S2	3	57.146†		57.533 57.534
57.506	Drama and Theatre in Germany	U	1	S2	3	57.103		57.533 57.534
57.507	Contemporary Theatre	U	1	S2	3	57.103		57.533 57.534
57.531*	Dramatic Criticism	A	1	S1	7	57.102(Cr)†		
57.532**	Stage Style and Structure 1	A	1	S2	7	57.531		
57.533	Stage Style and Structure 2	A	2	F	6	57.532	57.534¶	
57.534	Dramatic Construction	A	2	F	6	57.532	57.533¶	
57.526	Honours	H	2	F	5	57.533 57.534		

¶57.533 and 57.534 include a choice of 4 Upper Level Units other than 57.103.
*57.531 includes 57.123.
**57.532 includes 57.124 (no separate enrolment is necessary).
†Or equivalent qualification as determined by the School.
Note: 57.125
57.126
57.155 } May not be offered in 1979.
57.503
57.507

Economic History

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
15.701	Economic History IA (Arts)	I	1	S1 and S2	3½			
15.711	Economic History IB (Arts)	I	1	S1 and S2	3½	15.701		
15.601	Economic History IA	I	1	S1 and S2	3½			
15.611	Economic History IB	I	1	S1 and S2	3½	15.601		
15.622	American Economic and Social Development before the Civil War	U	1	S1	3	*		15.632
15.662	Economic and Social Change in the United States since the Civil War	U	1	S2	3	15.622*		15.672
15.692	Theories and Models in Economic History	U	1	S1	3	15.711 or 15.611*		

Economic History (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
15.676	Australian Economic Development in the Nineteenth Century	U	1	S1	3	15.011 or 15.711 or 15.611*		15.677
15.678	The Transformation of the Japanese Economy	U	1	S2	3	15.011 or 15.692 and 15.601 or 15.711*		15.679
15.643	British Imperialism in the Nineteenth and Twentieth Centuries	U	1	S2	3	15.601 or 15.711* or 51.511*		
15.653	Aspects of British Economic and Social Change 1740-1850	U	1	S2	3	*		
15.655	British Imperialism in the Seventeenth and Eighteenth Centuries	U	1	S1	3	15.601 or 15.711 or 51.511*		
15.663	Economic Change in Modern India 1750-1950	U	1	S1	3	*		
15.665	Economic and Social History of Modern Germany	U	1	S2	3	15.711 or 15.601 or 64.501 or 64.521 or 51.511*		
15.673	The Chinese Economy 1700-1949	U	1	S1	3	*		
15.675	Economy of China since 1949	U	1	S2	3	*		
15.683	The Economic History of Russia since 1861	U	1	S1	3	15.011 or 15.692*		
15.685	Introduction to Econometric History	U	1	S2	3	15.611 or 15.711*		
15.695	Quantitative Models in Historical Analysis	U	1	S1	3	*		
15.703	The Origins of Modern Economics	U	1	S1	3	*		
15.713	Economic Thought from Karl Marx to John Maynard Keynes	U	1	S2	3	15.703 or 15.011 or 15.692*		
15.753	Science, Society and Economic Development	U	1	S2	3	*		
15.745	Government and Economy in the 20th Century	A	1	S2	4	**		
15.632	American Economic Development before the Civil War	A	1	S1	4	**		15.622
15.672	Economic Change in the United States since the Civil War	A	1	S2	4	15.632**		15.662

Economic History (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
15.677	Australian Economic Development in the Nineteenth Century	A	1	S1	4	15.011 or 15.711 or 15.611**		15.676
15.679	The Transformation of the Japanese Economy	A	1	S2	4	15.011 or 15.692 and 15.601 or 15.711**		15.678
15.743	The Economic History of Urbanization	A	1	S1	4	**		
15.704	Economic History IV A (Arts)	H	{1	F	4	At least two, at credit level or better, of 15.632,		
15.714	Economic History IV B (Arts)		{1	F	4	15.672, 15.677, 15.679, 15.745, 15.743, and either 15.011 or 15.692		

* In order to enrol in an Upper Level unit in Economic History, a candidate must have passed any four Level I Arts units and completed any specific prerequisite unit or units listed.

**In order to enrol in an Advanced Level unit in Economic History a candidate must have passed four Level I Arts units, including at least one at Credit Level or better, in addition to completing any specific prerequisite unit or units listed.

Economics

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites
15.001	Economics IA■	I	1	S1 and S2	3½		
15.011	Economics IB■	I	1	S1 and S2	3½	15.001	
15.062	Economics IID	U	1	S1	4	15.011†	
15.072	Economics IIE	U	1	S2	4	15.011†	
15.263	Economics IIID*	U	1	S1	6	15.062 or 15.012	
15.043	The Soviet Economy	U	Part, see 15.263	Not offered 1979	3	See 15.263†	One of 15.082, 15.092, 15.203, 15.123, 15.163
15.082	Labour Economics	U	See 15.263	S1	3	See 15.263†	One of 15.043, 15.092, 15.203, 15.123, 15.163
15.092	Political Economy of Contem. Capitalism	U	See 15.263	S1	3	See 15.263†	One of 15.043, 15.082, 15.203, 15.123, 15.163
15.163	Industrial Organization and Policy	U	See 15.263	S1	3	See 15.263†	One of 15.043, 15.082, 15.092, 15.123, 15.203
15.203	Japanese Economic Policy	U	See 15.263	S1	3	See 15.263†	One of 15.043, 15.082, 15.092, 15.123, 15.163
15.123	Urban and Regional Economics	U	See 15.263	S1	3	See 15.263†	One of 15.043, 15.082, 15.092, 15.203, 15.163

Economics (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
15.273**	Economics IIIE	U	1	S2	6	15.072 *and* HSC 2 unit Maths, grade 1, 2 or 3†§	15.103	
15.053	Economic Development	U	See 15.273	S2	3	See 15.273†	15.273, 15.103	
15.083	Public Finance	U	See 15.273	S2	3	See 15.273†	15.273, 15.103	
15.103	Internat. Economics	U	See 15.273	S2	3	See 15.273†	15.273 and *one* of 15.083, 15.053 15.213	
15.213	Japanese International Economic Relations	U	See 15.273	S2	3	See 15.273†	15.273, 15.103	
15.012	Economics IIA	A	1	S1	4	15.011††		
15.032	Economics IIB	A	1	S2	4	15.012††		
15.052	Economics IIC	A	1	S2	4	15.011††		
15.013	Economics IIIA	A	1	S1	4	15.052††		
15.033	Economics IIIB	A	1	S2	4	15.032 *and* 15.013††		
15.173	Research Methods and Methodology	A	1	S1	3	15.013††		
15.044	Economics Honours (Arts)	H	1	F	3	15.012, 15.032, 15.052, 15.013, 15.033, 15.173 all Cr.		
15.054	Economics Honours (Arts)	H	1	F	3			
15.411	Quantitative Methods A‡■	I	1	S1 *or* S2	3	HSC 2 unit Maths, grade 1, 2 or 3§	15.001	10.001, 10.021
15.421	Quantitative Methods B‡■	I	1	S1 *or* S2	3	15.411	15.011	
15.412	Quantitative Economic Techniques A‡	U	1	S1	3	10.001 *or* 15.421		
15.422	Quantitative Economic Techniques B‡	U	1	S2	3	15.412		
15.467	Measurement of Income Inequality‡	U	1	S2	3	15.422¶		

*Consists of *two* of 15.043, 15.082, 15.092, 15.123, 15.163 and 15.203.

**Consists of 15.103 International Economics and one of 15.053, 15.083 or 15.213.

† In order to enrol in an Upper Level unit in Economics, a candidate must have passed any four Level I Arts units and completed any specific prerequisite unit or units listed.

††In order to enrol in an Advanced Level unit in Economics, a candidate must have passed four Level I Arts units, including at least one at Credit level or better, in addition to completing any specific prerequisite unit or units listed or obtained equivalent qualifications as determined by Department.

‡For the purpose of BA Rule 11(c) these subjects are regarded as distinct from Economics subjects.

§Lower than Grade 3 only with permission of the Head of Department.

¶Or with the permission of the Head of the Department 10.311B Theory of Statistics II (Basic Inferences).

■These subjects are single session units which may be taken in Session 1 or Session 2, subject to the prerequisite being satisfied in the case of 15.421 and 15.011.

Arts

English

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
50.511	English IA	I	2	F	4	2 unit English at HSC Exam percentile range 31-100 *or*		50.521
50.521	English IB	I	2	F	4	3 unit English at HSC Exam percentile range 31-100		50.511
50.512	English IIA	U	2	F	4	50.511 *or* 50.521		50.532
50.522	English IIB	U	2	F	4	50.511 *or* 50.521		50.532
50.513	English IIIA	U	2	F	4	50.512 *or* 50.532		
50.532	English IIC	A	2	F	6	50.511(Cr) *or* 50.521(Cr)		50.512, 50.522
50.523	English IIIB	A	2	F	5	50.532(Cr)	50.513	50.522
50.514	English IVA (Literature)	H	2	F	6	50.513(Cr) *and* 50.523(Cr)		50.524
50.524	English IVB (Language)	H	2	F	6	50.513(Cr) *and* 50.523(Cr)		50.514

French

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
56.501	Introductory French	I	2	F	6			
56.511	Contemporary French Language, Literature and Civilization	I	2	F	5-6	2 unit French at HSC Exam percentile range 31-100 *or* 3 unit French at HSC Exam percentile range 11-100 *or* 2 unit Z French at HSC Exam percentile range 91-100†		
56.521	French Language	I	1	F	3			
56.502	French IIA—Intermediate French	U	2	F	6	56.501§ *or* 56.511 (with permission of the School)		
56.512	Enlightenment, Romanticism, Realism	U	2	F	5	56.511		56.532
56.162	Recent Political and Sociological Speculation by French Intellectuals	U	1	S2	3	Any four Level I Arts units and 2 unit French at HSC Exam percentile range 31-100		
56.103	Modern France A	U	1	S1	6	56.502** *or* 56.522**, 56.512 *or* 56.532		56.163
56.104	Modern France B	U	1	S2	6	56.502** *or* 56.522**, 56.512 *or* 56.532		56.164
56.153	Renaissance France	U	1	S1	6(3)	56.502** *or* 56.522**, 56.512 *or* 56.532		56.173
56.154	Classical France	U	1	S2	6(3)	56.502** *or* 56.522**, 56.512 *or* 56.532		56.174
56.522	French IIA (Advanced)	A	2	F	7	56.501(Cr)		56.502

French (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
56.532	Enlightenment, Romanticism, Realism (Advanced)	A	2	F	6½	56.511(Cr)*		56.512
56.163	Modern France A (Advanced)	A	1	S1	7½	56.532(Cr)* or 56.522**		56.103
56.164	Modern France B , (Advanced)	A	1	S2	7½	56.163		56.104
56.173	Renaissance France (Advanced)	A	1	S1	7½ (4½)	56.532(Cr)* or 56.522**		56.153
56.174	Classical France (Advanced)	A	1	S2	7½ (4½)	56.173		56.154
56.505	French Honours	H	2	F	8	56.163(Cr), 56.164(Cr), 56.173(Cr), 56.174(Cr), for students taking French Honours alone, or any two of 56.163(Cr), 56.164(Cr), 56.173(Cr) and 56.174(Cr), for students taking Honours in French and another subject		

†Equivalent qualifications acceptable to the School after test.
§And the satisfactory completion of vacation reading assignment.
*Or equivalent qualifications as determined by the School and the satisfactory completion of vacation assignment.
**Students from 56.502 and 56.522 must obtain permission from the School of French before proceeding to any third year subjects.

Geography

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
27.801	Introduction to Physical Geography	I	1	S1	4½ *			
27.802	Introduction to Human Geography	I	1	S2	4½ **			
27.811	Physical Geography	U	1	S2	4½†	27.801		
27.812	Human Geography	U	1	S1	4½†	27.802		
27.813	Geographic Methods	U	1	F	3§	27.801 and 27.802‡		
27.824	Spatial Population Analysis††	U	1	S2	4	27.812		
27.825	Urban Activity Systems††	U	1	S1	4	27.812		
27.826	Urban and Regional Development††	U	1	S1	4	27.812		

Geography (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
27.827	Environment and Behaviour††	U	1	S2	4	27.812		
27.860	Landform Studies	U	1	S2	4½	27.811		
27.862	Australian Environment and Natural Resources	U	1	S2	4½	27.811 or 27.812		
27.863	Ecosystems and Man	U	1	S1	4½	27.811 or 27.812		
27.880	Advanced Geographic Methods	A	1	F	3	27.811(Cr) or 27.812(Cr) and 27.813		
27.834	Spatial Population Analysis††	A	1	S2	6	⎫	⎫	
27.835	Urban Activity Systems††	A	1	S1	6	⎬ 27.812(Cr) and 27.813	⎬ 27.880	
27.836	Urban and Regional Development††	A	1	S1	6			
27.837	Environment and Behaviour††	A	1	S2	6	⎭	⎭	
27.870	Landform Studies	A	1	S2	6	⎫		
27.872	Australian Environment and Natural Resources	A	1	S2	6	⎬ 27.811(Cr) or 27.812(Cr)		
27.873	Ecosystems and Man	A	1	S1	6	⎭		
27.890	Thesis and Associated Seminars	H	1	F	3	⎫	27.894 or 27.895 or 27.893	
27.893	Honours Physical Geography	H	1	S1	6	⎬ Three Advanced Level units (Cr)	27.890	
27.894	Honours Urban Geography††	H	1	S1	6		27.890	
27.895	Honours Social Geography††	H	1	S1	6	⎭	27.890	

*Two field tutorials, equivalent to sixteen tutorial hours, are a compulsory part of the subject.
**Includes a compulsory field excursion equivalent to eight hours' tutorials.
†A two-day field tutorial, equivalent to sixteen tutorial hours, is a compulsory part of the subject.
§Up to five days field work, equivalent to forty tutorial hours, is a compulsory part of the subject.
‡In special cases, the Head of School may give permission for 27.801 to be taken as a co-requisite for this course.
††Subject to availability of staff in 1979.

Applied Geology

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
25.011	Geology I	I	2	F	6*	2 unit Science (any strand) at HSC Exam percentile range 31-100 *or* 4 unit Science (multistrand) at HSC Exam percentile range 31-100		25.151
25.151	Geoscience IA	I	2	F	6*			25.011, 25.012, 25.022
25.161	Geoscience IB				*			25.011, 25.012, 25.022, **25.151**
25.012	Geology IIA	U	2	F	6**	25.011		25.151, 25.161
25.022	Geology IIB	U	1	F	3**	25.011		25.151, 25.161

*Three field tutorials, involving up to five days in all are an essential part of the course. Attendance is compulsory.
**Field work of up to 10 days in each case is a compulsory part of this course.

German

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
64.501	German IA—Introductory German	I	2	F	6			
64.511	German IB	I	1	F	3	2 unit A German at HSC Exam percentile range 71-100 *or* 2 unit German at HSC Exam percentile range 31-100 *or* 3 unit German at HSC Exam percentile range 11-100	64.521	
64.521	German IC	I	1	F	3		64.511	
64.502	German IIA	U	1	F	3	64.501	64.522 (Arts students only)	64.512
64.512	German IIA (Advanced)	A	1	F	4	64.501	64.522 (Arts students only)	64.502
64.522	German IIB	U	1	F	3	64.501	64.502	
64.532*	German IIC	U	1	F	3	64.511		
64.542	German IID	U	1	F	3	64.511 *and* 64.521	64.532 (except native speakers)	64.552
64.552	German IID (Advanced)	A	1	F	4	64.511 *and* 64.521	64.532 (except native speakers)	64.542
64.562	German IIE	U	1	F	2	64.511 *and* 64.521	64.542	64.572

German (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
64.572	German IIE (Advanced)	A	1	F	3	64.511 and 64.521	64.542 or 64.552	64.562
64.503*	German IIIA	U	1	F	3	64.502 or 64.532		
64.513	German IIIB	U	1	F	3	64.522 or 64.542	64.503 (except native speakers)	64.523
64.523	German IIIB (Advanced)	A	1	F	4	64.522 or 64.542	64.503 (except native speakers)	64.513
64.533	German IIIC	U	1	F	2	64.522 or 64.542	64.513	64.543
64.543	German IIIC (Advanced)	A	1	F	3	64.522 or 64.542	64.513 or 64.523	64.533
64.553	German IIID	U	1	F	2	64.522 or 64.542	64.533	64.563
64.563	German IIID (Advanced)	A	1	F	3	64.522 or 64.542	64.533	64.553
64.504	German Honours	H	2	F	6	64.503, 64.523, 64.543 and 64.563 or 64.572		
64.600	German Literature and Society in the Twentieth Century	U	1	F	2	**		
64.610	German Literature and Society	U	1	Not offered 1979	2	Offered in alternate years		
64.620	German Reading Course	U	1	F	2	**		
64.630	Germany Since 1945	U	2	F	3	**		54.262
64.640	The Persecution and Destruction of European Jewry 1933-45	U	2	Not offered 1979	3	**		
64.650	An Introduction to the Historical Study of the Germanic Languages	U	1	F	2	2 units of English or a foreign language**		
64.660	The Paris Commune of 1871	U	1	Not offered 1979	2	56.511 or 51.511 or 51.593 or 54.901 or 53.104		

* Native German speakers who have passed 64.511 and 64.521 may not enrol in these courses.

**Approval to take this unit should be obtained from the School.

†Or equivalent qualifications.

History

No	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
51.510	History IA—Tradition and Transformation in Asia	I	2	F	3			NB: Only 2 Level I units can be taken in the BA degree course
51.511	History IB—The Emergence of Modern Europe, 1500 — c. 1850	I	2	F	3			
51.521	History IC—Australia in the Nineteenth Century	I	2	F	3			
51.533	History IIA—Modern South Asia†	U	2	F	3	51.510 or 51.511 or 51.521*		
51.542	History IIB—Australia in the Twentieth Century	U	2	F	3	51.510 or 51.511 or 51.521*		
51.562	History IID—South-East Asian History	U	2	F	3	51.510 or 51.511 or 51.521*		
51.572	History IIE—The History of the United States	U	2	F	3	51.510 or 51.511 or 51.521*		
51.582	History IIF—East Asian History†	U	2	F	3	51.510 or 51.511 or 51.521*		
51.592	History IIG—Britain Since 1760	U	2	F	3	51.510 or 51.511 or 51.521*		
51.593	History IIH—Modern Europe: Society, Politics and Ideology in 20th Century	U	2	F	3	51.510 or 51.511 or 51.521*		
51.603	Indian History	A	2	F		51.510 or 51.511 or 51.521 (All Cr)		51.602
51.620	Change and Continuity in France, 1789-1871	A	2	F		51.510 or 51.511 or 51.521 (All Cr)		51.692
51.630	The Australian People in Three Wars	A	2	F		51.510 or 51.511 or 51.521 (All Cr)		51.640
51.662	Reform and the Social Order in America, 1800-1860	A	2	F		51.510 or 51.511 or 51.521 (All Cr)		51.634
51.634	Immigration and Ethnicity in United States History,1880-1930	A	2	F		51.510 or 51.511 or 51.521 (All Cr)		51.662
51.640	Literature and Society in Twentieth Century Australia	A	2	F		51.510 or 51.511 or 51.521 (All Cr)		51.630
51.642	Nationalism and Revolution in Indonesia	A	2	F		51.510 or 51.511 or 51.521 (All Cr)		

*Or equivalent qualifications as determined by the School.
†Name of subject may change in 1979.

History (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
51.672	Intellectual Trends and the Rise of Communism in China	A	2	F		51.510 or 51.511 or 51.521 (All Cr)		
51.682	Social History and the British Industrial Revolution	A	2	F		51.510 or 51.511 or 51.521 (All Cr)		
51.594	Socialism in Western Europe: from Marx to Eurocommunism					51.510 or 51.511 or 51.521 (All Cr)		51.620
51.703	History Honours	H	2	F		Six Advanced Level History Units (Cr)		

History and Philosophy of Science

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
62.201	The Modern History of Western Cosmology	I	1	S1	3			NB: Only 2 Level I units can be taken in the BA degree course
62.202	The History of Ancient and Renaissance Cosmology	I	1	S2	3			
62.211	The Seventeenth Century Intellectual Revolution	I	1	S1	3			
62.212	The Cultural Impact of the Seventeenth Century Scientific Revolution	I	1	S2	3			
62.203	The Freudian Revolution	U	1	F	2	62.243 or 62.273 or 62.283 or 62.503 or 62.513 or by permission of Head of School		
62.213	Marxism and Science	U	1	F	2	62.253 or 62.503 or 62.513 or one Upper Level HPS unit together with one of the following: 52.193 or 52.373 or 52.383 or 54.302; or by permission of Head of School		
62.223	The Discovery of Time	U	1	S1	3	Any 4 Arts or other approved units*		
62.242	Introduction to the History of Ideas	U	1	S2	3	Any 4 Level I Arts units		
62.243	The Darwinian Revolution	U	1	S2	3	Any 4 Arts or other approved units*		
62.252	Scientific Knowledge and Political Power	U	1	S1	3	Any 4 Arts or other approved units including 2 units of HPS		

History and Philosophy of Science (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
62.253	Social History of Science from French Revolution to W.W. II	U	1	S2	4	Any 4 Arts or other approved units*		
62.262	The Social System of Science	U	1	S2	3	Any 4 Arts or other approved units including 2 units of HPS		
62.263	The Development of Theories of Matter	U	1	S1	3	Any 4 Arts or other approved units (including 2 HPS or 2 approved science units)*		
62.273	The Historical Foundations of Experimental Biology	U	1	S1	3	Any 4 Arts or other approved units (including 2 HPS or 2 approved science units)*		
62.283	The History of Theories of Generation and Heredity	U	1	S2	3	Any 4 Arts or other approved units (including 2 HPS or 2 approved science units)*		
62.293	Science and the Strategy of War and Peace	U	1	S1	3	Any 4 Arts or other approved units*		
62.503	The Philosophy of Science	U	1	S2	3	Four Arts or other approved units (including 2 HPS or 2 Philosophy or 1 HPS and 1 Philosophy or 2 approved science units)*		
62.510	Research Methods in History and Philosophy of Science	U	1	F	2	12 Arts units—(including at least 2HPS(Cr))	62.523	
62.513	The History of the Philosophy and Methodology of Science	U	1	F	1½	Four Arts or other approved units* (including 2 units of HPS or Philosophy or 1 HPS and 1 Philosophy)		
62.523	Advanced H.P.S. A	A	2	F	5-7	12 Arts units—(including at least 2 HPS(Cr))		**
62.533	Advanced H.P.S. B	A	2	F	5-7	2 Level I units in Maths or an approved Science*	62.523	**
62.604	H.P.S. Honours	H	2	F	4	62.523(Cr) (Combined Honours) or 62.523(Cr) and 62.533(Cr) (Special Honours)		

* Consult school for further information on approved units.

**The subject consists of two Upper Level units plus additional work. Students do not enrol separately in the Upper Level units.

Industrial Relations

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
15.511	Industrial Relations IA*	I	1	S1 & 2	3½			
15.525	Industrial Relations IIA	U	1	S1	3½	15.011 or 53.104 with 15.511 co- or prerequisite		15.528
15.528	Industrial Relations IIA (Honours)	A	1	S1	5½	15.511 or 53.104		15.525
15.526	Industrial Relations IIB	U	1	S2	3½	15.525		15.529
15.529	Industrial Relations IIB (Honours)	A	1	S2	5½	15.528		15.526
15.534	Industrial Relations IIIA	U	1	S1	3½	15.526		15.538
15.538	Industrial Relations IIIA (Honours)	A	1	S1	5½	15.529		15.534
15.535	Industrial Relations IIIB	U	1	S2	3½	15.534		15.539
15.539	Industrial Relations IIIB (Honours)	A	1	S2	5½	15.538		15.575, 15.535
15.580	Industrial Relations IV (Honours)	H	2	F	6	15.539, 15.565 and 15.555		15.541, 15.545, 15.546, 15.547, 15.548, and 15.549
15.557	Wages and Incomes Policy	U	1	S2	3	15.525 and any Year II Economics subject		15.082
15.556	Manpower Policy	U	1	S1	3	15.555 or 15.082		
15.565	Industrial Relations Sociology	U	1	S2	3	15.525 or 53.104		
15.566	Industrial Conflict	U	1	S1	3	15.565		
15.571	Industrial Relations Theory	U	1	S2	3	15.525		
15.572	Industrial Democracy*	U	1	S1 & S2	3	15.525		
15.574	Industrial Relations Methods	U	1	S1	3	15.526		
15.575	Industrial Relations Research Methodology	U	1	S2	3	15.526		15.539

*These subjects are single session units which may be taken in either Session 1 or Session 2.

Mathematics*

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded***
10.001	Mathematics I	I	2	F	6	2 unit Mathematics at HSC Exam percentile range 71-100 or		
						3 unit Mathematics at HSC Exam percentile range 11-100**		10.011, 10.021A, 10.021B, 10.021C
						4 unit Mathematics at HSC Exam percentile range 1-100* or 10.021B		
10.011	Higher Mathematics I	I	2	F	6	3 unit Mathematics at HSC Exam percentile range 71-100 or		
						4 unit Mathematics at HSC Exam percentile range 1-100*		10.001, 10.021A, 10.021B, 10.021C
10.021B	General Mathematics IB	I	1	S1 or S2	6	2 unit Mathematics at HSC Exam percentile range 31-100*** or		
						3 unit Mathematics at HSC Exam percentile range 11-100* or		10.001, 10.011
						4 unit Mathematics at HSC Exam percentile range 1-100* or 10.021A**		10.001, 10.011, 10.021A
10.021C	General Mathematics IC	I	1	S2	6	10.021B		10.001, 10.011, 10.021A
10.041	Introduction to Applied Mathematics	U	1	Not offered 1979	6		10.001	

*For the purpose of BA Rule 11(c) the subjects Pure Mathematics, Applied Mathematics, Statistics, and Theoretical Mechanics are regarded as distinct subjects. 4th year Honours studies are available in each of these subjects and intending students should consult with the appropriate Head of Department early in their course.

††For any listed unit an appropriate higher unit may be substituted.

***If a unit in this column is counted the corresponding unit in the first column may not be counted.

**Entry to General Mathematics IA is allowed only with permission of the Head of the School of Mathematics, and that permission will be given only to students who do not qualify to enter unit 10.021B.

*Results in the HSC Exam percentile range 1-10 at a standard acceptable to the Professorial Board.

**Results in the HSC Exam percentile range 11-30 at a standard acceptable to the Professorial Board.

***Results in the HSC Exam percentile range 31-70 at a standard acceptable to the Professorial Board.

Mathematics (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded

Pure Mathematics

Pure Mathematics Level II

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded
10.111A	Linear Algebra	II	2/3	F	2	10.001		10.121A
10.1111	Group Theory	II/III	§	S1	2	10.001	10.111A, 10.1113, 10.1114, 10.2111, 10.2112¶	10.121A
10.1112	Geometry	II/III	§	S2	2	10.001	10.1111	10.121C
10.1113¶	Multivariable Calculus	II	1/3	S1	2½	10.001		10.1213¶
10.1114¶	Complex Analysis	II	1/3	S2	2½	10.001		10.1214¶

Higher Pure Mathematics Level II†

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded
10.121A	Algebra	II	2/3	F	2½	10.011		10.111A, 10.1111
10.121C	Number Theory and Geometry	II/III	2/3	F	2½	10.011	10.121A, 10.1213, 10.1214, 10.2211 or 10.2111, 10.2212 or 10.2112¶	10.1112, 10.1121
10.1213¶	Multivariable Calculus	II	1/3	S1	2½	10.011		10.1113¶
10.1214¶	Complex Analysis	II	1/3	S2	2½	10.1213¶		10.1114¶

Pure Mathematics Level III***

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded
10.112C	Differential Geometry	III	1/2	F	2	10.111A, 10.1113¶	***	10.122C
10.1121	Number Theory	III	1/4	S1 or S2	2	***		10.121C
10.1122	Algebra	III	1/4	S2	2	10.111A	10.1111	10.122A
10.1123	Set Theory	III	1/4	S1	2	***		
10.1124	Combinatorial Topology	III	1/4	S1 or S2	2	***		10.122C
10.1125	Ordinary Differential Equations	III	1/4	S1	2	***		10.122E
10.1126	Partial Differential Equations	III	1/4	S2	2	10.1113, 10.1114¶	10.1125	
10.1127	History of Mathematics	III	1/4	S2	2	10.111A, 10.1113, 10.1114, 10.2111, 10.2112¶	•	
10.1128	Foundations of Calculus	III	1/4	S1	2	***		10.122B
10.1129	Real Analysis	III	1/4	S2	2	10.2112¶, 10.1128		10.122B

Mathematics (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded

Higher Pure Mathematics Level III**

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded
10.122A	Algebra	III	1/2	F	2½	10.121A		10.1122
10.122B	Integration and Functional Analysis	III	1/2	F	2½	10.1213¶		10.1128, 10.1129
10.122C	Topology and Differential Geometry	III	1/2	F	2½	10.121A, 10.1213¶		10.1124, 10.112C
10.122E	Complex Analysis and Differential Equations	III	1/2	F	2½	10.1213, 10.1214¶		10.1125

¶10.1113 (10.1213) and 10.1114 (10.1214) together replace 10.111B (10.121B). 10.2111 (10.2211) and 10.2112 (10.2212) together replace 10.211A (10.221A). The half units 10.2113 (10.2213) and 10.2114 (10.2214) together replace the unit 10.211D (10.221D).
§When counted as a Level II unit, unit value is one-third; when counted as a Level III unit, unit value is one-quarter.
††For any listed unit an appropriate higher unit may be substituted.
*If a unit in this column is counted the corresponding unit in the first column may not be counted.
†1. Admission to Higher Pure Mathematics II normally requires completion of 10.011 Higher Mathematics I; students who gain a superior pass in 10.001 Mathematics I may, subject to the approval of the Head of the School of Mathematics, be permitted to proceed to Higher Pure Mathematics II units.
2. Students aiming at Honours in Pure Mathematics must take 10.121A, 10.121C, 10.1213, 10.1214, either 10.2211 or 10.2111 and either 10.2212 or 10.2112.
**Students wishing to attempt Higher Level III units should consult with the School of Mathematics prior to enrolment. Pre- and co-requisites may be varied in special circumstances with the permission of the Head of the School of Mathematics.
***Students will not normally be permitted to attempt a Level III Pure Mathematics unit unless they have completed at least two Level II units from 10.111A, 10.1113, 10.1114, 10.2111 and 10.2112 and are concurrently attempting the remaining unit.

Applied Mathematics

Applied Mathematics Level II

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded
10.2111¶	Vector Calculus	II	1/3	S1	2½	10.001		10.2211¶
10.2112¶	Mathematical Methods for Differential Equations	II	1/3	S2	2½	10.001		10.2212¶
10.2113	Introduction to Linear Programming	II	1/3	S1	2	10.001		10.2213
10.2114	Linear and Non-Linear Optimization Techniques	II	1/3	S2	2	10.2113§		10.2214

Higher Applied Mathematics Level II

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded
10.2211¶	Vector Analysis	II	1/3	S1	2½	10.011 or 10.001 Dist.**		10.2111¶
10.2212¶	Mathematical Methods for Differential Equations	II	1/3	S2	2½	10.2211¶		10.2112¶
10.2213	Introduction to Linear Programming	II	1/3	S1	2	10.011 or 10.001 Dist.**		10.2113
10.2214	Linear and Non-Linear Optimization Techniques	II	1/3	S2	2	10.2213§		10.2114

§The half units 10.1113 (10.1213) and 10.1114 (10.1214) together replace the unit 10.111B (10.121B). The half units 10.2111 (10.2211) and 10.2112 (10.2212) together replace the unit 10.211A (10.221A). The half units 10.2113 (10.2213) and 10.2114 (10.2214) together replace the unit 10.211D (10.221D).

Mathematics (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded
Applied Mathematics Level III								
10.212A	Numerical Analysis	III	1/2	F	2	10.2111, 10.2112¶, 10.111A		10.222A
10.212L	Optimization Methods	III	1/2	F	2	10.1113***§		10.222L
10.212M	Optimal Control Theory	III	1/2	F	2	10.1113 *and* 10.1114, 10.111A *or* 10.2113§		10.222M
Higher Applied Mathematics Level III								
10.222A	Numerical Analysis	III	1/2	F	2	10.2211 *or* 10.2111 Dist.**, 10.2212 *or* 10.2112 Dist.**¶, 10.121A *or* 10.111A Dist.**		10.212A
10.222C	Maxwells Equations and Special Relativity	III	1/2	F	2	10.2211 *or* 10.2111 Dist.**, 10.2212 *or* 10.2112 Dist.**, 10.1213 *or* 10.1113 Dist.**, 10.1214 *or* 10.1114 Dist.**¶, 1.001		1.033
10.222F	Quantum Mechanics	III	1/2	F	2	10.2211 *or* 10.2111 Dist.**, 10.2212 *or* 10.2112 Dist.**, 10.121A *or* 10.111A Dist.**, 10.1213 *or* 10.1113 Dist.**, 10.1214 *or* 10.1114 Dist.**¶		1.013
10.222L	Optimization Methods	III	1/2	F	2	10.1213 *or* 10.1113 Dist.**†§		10.212L
10.222M	Optimal Control Theory	III	1/2	F	2	10.1213 *or* 10.1113 Dist.**, 10.1214 *or* 10.1114 Dist.**, 10.121A *or* 10.111A Dist.** *or* 10.2213 *or* 10.2113 Dist.**§		10.212M

††For any listed unit an appropriate higher unit may be substituted.

*If a unit in this column is counted the corresponding unit in the first column may not be counted.

**With the permission of the Head of the Department a sufficiently good grading may be substituted.

¶10.1113 (10.1213) and 10.1114 (10.1214) together replace 10.111B (10.121B). 10.2111 (10.2211) and 10.2112 (10.2212) together replace 10.211A (10.221A). The half units 10.2113 (10.2213) *and* 10.2114 (10.2214) together replace the unit 10.211D (10.221D).

§The half units 10.1113 (10.1213) and 10.1114 (10.1214) together replace the unit 10.111B (10.121B). The half units 10.2111 (10.2211) and 10.2112 (10.2212) together replace the unit 10.211A (10.221A). The half units 10.2113 (10.2213) and 10.2114 (10.2214) together replace the unit 10.211D (10.221D).

***At least 1 further unit chosen from the following:
10.111A, 10.1114, 10.2111, 10.2112, 10.2113.

†At least 1½ further units chosen from the following:
10.121A or 10.111A Dist., 10.1214 or 10.1114 Dist.
10.2213 or 10.2113 Dist., 10.2214 or 10.2114 Dist.
10.2211 or 10.2111 Dist., 10.2212 or 10.2112 Dist.

Statistics

Theory of Statistics Level II

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded
10.311A§	Probability and Random Variables	II	1	S1	7	10.001 *or* 10.021C(Cr)		10.321A, 10.331, 10.301, 45.101

Mathematics (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded

Theory of Statistics Level II (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded
10.311B	Basic Inference	II/III	1	S2	7	10.311A		10.321B, 10.331, 10.301, 45.101
10.331	Statistics SS	II	2/3	F	2	10.001 or 10.021C(Cr)		10.311A, 10.311B, 10.321A, 10.321B, 10.301, 45.101

Higher Theory of Statistics Level II

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded
10.321A	Probability and Random Variables	II	1	S1	8	10.001		10.311A, 10.331, 10.301, 45.101
10.312B	Basic Inference	II/III	1	S2	8	10.321A		10.311B, 10.331, 10.301, 45.101

Theory of Statistics Level III**

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded
10.312A	Probability and Stochastic Processes	III	1/2	S1	4	10.311A, 10.111A, 10.1113, 10.2112¶		10.322A
10.312B	Experimental Design (Applications) and Sampling	III	1/2	S2	4	10.311B or 10.331 (Normally Cr)		10.322B
10.312C	Experimental Design (Theory)	III	1/2	S1	4	10.311B, 10.111A, 10.1113, 10.2112¶	10.312B†	10.322C
10.312D	Probability Theory	III	1/2	S2	4	10.311A, 10.111A, 10.1113, 10.2112¶		10.322D
10.312E	Statistical Inference	III	1/2	S2	4	10.311B, 10.111A, 10.1113, 10.2112¶	†	10.322E

Higher Theory of Statistics Level III**

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded
10.322A	Probability and Stochastic Processes	III	1/2	S1	4½	10.321A, 10.111A, 10.1113, 10.1114, 10.2112¶		10.312A
10.322B	Experimental Design (Applications) and Sampling	III	1/2	S2	4½	10.321B, 10.111A, 10.1113, 10.1114, 10.2112¶		10.312B
10.322C	Experimental Design (Theory)	III	1/2	S1	4½	10.321B, 10.111A, 10.1113, 10.1114, 10.2112¶	10.322B†	10.312C

Mathematics (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded

Higher Theory of Statistics Level III** (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded
10.322D	Probability Theory	III	1/2	S2	4½	10.321A, 10.111A, 10.1113, 10.1114, 10.2112¶		10.312D
10.322E	Statistical Inference	III	1/2	S2	4½	10.321B, 10.111A, 10.1113, 10.1114, 10.2112¶	†	10.312E

§The evening course for 10.311A will, subject to a sufficient enrolment, run at 3½ hours per week throughout the year.
††For any listed unit an appropriate higher unit may be substituted.
*If a unit in this column is counted, the corresponding unit in the first column may not be counted.
†Plus any two Level III Pure Mathematics, Applied Mathematics, Theoretical Mechanics or Computer Science units. It is sufficient to take 10.312B (10.322B) in the same year.
¶10.1113 (10.1213) and 10.1114 (10.1214) together replace 10.111B (10.121B). 10.2111 (10.2211) and 10.2112 (10.2212) together replace 10.211A (10.221A).
**For a student taking four or the units 10.312A, 10.312B, 10.312C, 10.312D, 10.312E (or the corresponding Higher units) a project is required as part of either 10.312C (10.322C) or 10.312E (10.322E).

Theoretical and Applied Mechanics
Theoretical Mechanics Level II

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded
10.411A	Hydrodynamics	II/III	§	S2	4	10.001	10.411B or 1.012, 10.1114¶	10.421A
10.411B	Principles of Theoretical Mechanics	II	2/3	S1	4	10.001, 1.001 or 10.041 or 5.101	10.2111, 10.2112, 10.1113¶	10.421B

Higher Theoretical Mechanics Level II

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded
10.421A	Hydrodynamics	II/III	§	S2	4	10.011 or 10.001 Dist.**	10.421B, 10.1114¶	10.411A
10.421B	Principles of Theoretical Mechanics	II	2/3	S1	4	10.011 or 10.001 Dist.**, 1.001 or 10.041 or 5.010	10.2211, 10.2212, 10.1113¶	10.411B

Theoretical Mechanics Level III

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded
10.412A	Dynamical and Physical Oceanography	III	1/2	F	2	1.001, 10.2111 and 10.2112¶ or 10.031	‡	
10.412B	Continuum Mechanics	III	1/2	F	2	10.2111, 10.2112, 10.1113, 10.1114¶, 10.111A	10.411A or 1.012 or 1.913	10.422B
10.412D	Mathematical Methods	III	1/2	F	2	10.2112, 10.1113, 10.1114¶, 10.111A		10.422D

Higher Theoretical Mechanics Level III

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites††	Co-requisites††	Excluded
10.422A	Fluid Dynamics	III	1/2	S2	4	10.421A or 10.411A Dist.**	10.422B	

Mathematics (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded

Higher Theoretical Mechanics Level III (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
10.422B	Mechanics of Solids	III	1/2	S1	4	10.2111, 10.2112, 10.1113, 10.1114¶, 10.111A, 10.421B or 10.411B Dist.** or 1.012		10.412B
10.422D	Mathematical Methods	III	1/2	F	2	10.2211 or 10.2111 Dist.**, 10.2212 or 10.2112 Dist.**, 10.1213 or 10.1113 Dist.**, 10.1214 or 10.1114 Dist.**¶,		10.412D

††For any listed unit an appropriate higher unit may be substituted.

*If a unit in this column is counted, the corresponding unit in the first column may not be counted.

**With the permission of the Head of the Department a sufficiently good grading may be substituted.

‡It is recommended that one of the following be taken concurrently: 10.411A or 1.012 or 1.913.

§When counted as a Level II unit, unit value is two-thirds; when counted as a Level III unit, unit value is one-half.

¶10.1113 (10.1213) and 10.1114 (10.1214) together replace 10.111B (10.121B). 10.2111 (10.2211) and 10.2112 (10.2212) together replace 10.211A (10.221A).

Philosophy

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
52.103	Introductory Philosophy A	I	1	S1	4	Nil		
52.104	Introductory Philosophy B	I	1	S2	4	Nil		
52.1531	Predicate Logic A	U	½	S1	2	Any Level I Unit		52.153, 52.162
52.1532	Predicate Logic B	U	½	S2	2	52.1531		52.153, 52.162
52.163	Descartes	U	½	S1	2	Upper Level status in Philosophy**		
52.173	British Empiricism	U	½	S2	2	Upper Level status in Philosophy**		
52.183	Greek Philosophy: Thales to Plato	U	½	S1	2	Upper Level status in Philosophy**		
52.193	Scientific Method	U	½	S1	2	Upper Level status in Philosophy**		
52.203	Classical Political Philosophy	U	½	S1	2	Upper Level status in Philosophy**		52.182
52.213	Sartre	U	½	S1	2	52.163		
52.233	Argument	U	½	S2	2	Upper Level status in Philosophy**		

Philosophy (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
52.263	Philosophy of Psychology	U	½	S2	2	52.193		
52.273	Aesthetics	U	½	S2	2			
52.283	Philosophical Study of Woman	U	½	S2	2	Upper Level status in Philosophy**		
52.293	Plato's Later Dialogues	U	½	S2	2	52.483*		
52.303	Spinoza and Leibniz	U	½	S2	2	52.163		
52.323	Set Theory	U	½	S1	2	52.153 or 52.1532 or 26.812 or 10.001 or 10.011 or 10.021		
52.333	Philosophy of Perception	U	½	S2	2	52.163 or 52.173		
52.343	Privacy and Other Minds	U	½	S1	2	52.163 and either 52.173 or 52.243		
52.353	History of Modern Logic	U	½	S1				
52.373	Philosophical Founda-tions of Marx's Thought	U	½	S1	2	Upper Level status in Philosophy		
52.393	History of Traditional Logic	U	½	S2				
52.403	Model Theory	U	½	S2	2	52.323 or 10.1123		
52.413	Reading Option A	U	½	S1 or S2		Satisfactory performance in Upper Level units		
52.423	Seminar A	U	½	S2	2	Upper Level units (Cr)		
52.433	Seminar B	U	½	S1	2	Upper Level units (Cr)		
52.443	Seminar C	U	½	S2	2	Upper Level units (Cr)		
52.453	Reading Option B	U	½	S1 or S2		Upper Level units (Cr)		
52.463	Introduction to Trans-formational Grammar	U	½	S1	2	Any Level I unit		
52.473	Meaning and Truth	U	½	S2	2	52.463 or 52.153 or 52.1531		
52.483	Plato's Theory of Forms	U	½	S2	2	Upper Level status in Philosophy**		Not available to students who have taken a similar course at Level I
52.513	Social and Political Philosophy	U	½	S2	2	Upper Level status in Philosophy** and 52.182 or 52.203		
52.5231	Classical Greek Ethics	U	½	S1	2			
52.5232	Theories in Moral Philosophy	U	½	S2	2	Upper Level status in Philosophy**		
52.543	The Philosophy of Love	U	½	S1	2			
52.553	Contemporary Moral Issues	U	½	S2	2			

Philosophy (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
52.563	Hume	U	½	S1	2	Upper Level status in Philosophy**		52.152
52.573	Psychoanalysis — Freud and Lacan	U	½	S2	2	Upper Level status in Philosophy**		
52.583	Theories, Value and Education	U	½	S1	2			
52.504	Philosophy Honours	H	2	F	4			

* Or equivalent qualifications as determined by the School.

** Upper Level status in Philosophy consists in **1.** being in second or later year of university study, and **2.** having taken and passed at least one Level I Philosophy unit. If the unit is composed of two half-units, these must have been passed in the same session. The prerequisite may be waived in certain cases by the School.

Physics

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
1.001	Physics I	I	2	F	6	2 unit Mathematics at HSC Exam percentile range 71-100 or 3 unit Mathematics at HSC Exam percentile range 31-100 or 4 unit Mathematics at HSC Exam percentile range 1-100* and 2 unit Science (incl Physics and/or Chem) at HSC Exam percentile range 31-100 or 4 unit Science (incl Physics and/or Chem) at HSC Exam percentile range 31-100		
1.011	Higher Physics I	I	2	F	6			
1.012	Mechanics and Thermal Physics	II	1	S1	5	1.001 or 1.011, 10.001	10.2111	
1.022	Electromagnetism and Modern Physics	II	1	S2	5	1.001 or 1.011, 10.001	10.2111	
1.032	Laboratory	II	1	F	3	1.001 or 1.011, 10.001		
1.901	Astronomy	I	1	S1	4			
1.911	Energy	II	1	S2	4			

*Results in the HSC Exam percentile range 1-10 at a standard acceptable to the Professorial Board.

Political Science

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
54.904	Political Science I	I	2	F	4			
54.202	Selected Political Theorists	U	1	F	1½	54.904*		
54.212	Politics of the USSR	U	1	S1	3	54.904*		
54.222	Politics of the US	U	1	S1	3	54.904*		
54.232	Politics of China§§	U	1	S2	3	54.904*		
54.242	British Government	U	1	F	1½	54.904*		
54.252	International Relations§§	U	1	F	1½	54.904*		
54.272	Comparative Foreign Policy§§	U	1	F	1½	54.904*		
54.292	Politics and the Media	U	1	S2	4	54.904* or Sociology 53.001		
54.213	Public Policy Making	U	1	S2	3	54.904*		
54.203	African Politics	U	1	S1	4	54.904*(Cr)		
54.223	Analytical Political Theory†	U	1			54.904*(Cr)		
54.302	Marxism	U	½	S1	2	54.904*(Cr)		
54.322	British Government: B	U	½	F	1	54.904*(Cr)	54.242	
54.332	Federalism: An Australian Perspective	U	½	S2	2	54.904*(Cr)		
54.342	International Security§§	U	½	F	1	54.904*(Cr)	54.252	
54.352	Plato and Machiavelli	U	½	S1	2	54.904*(Cr)		
54.372	Australian Foreign Policy§§	U	½	F	2	54.904*(Cr)	54.272 or 54.252	
54.382	Political Theory	U	½	F	1	54.904*(Cr)		
54.392	Aspects of Australian Political Culture	U	½	S2	2	54.904*(Cr) or History 51.521(Cr)		
54.601	Politics of the USSR: B	U	½	S2	2	54.904*(Cr)	54.212	
54.602	Politics of the US: B	U	½	S2	2	54.904*(Cr)	54.222	
54.607	Chinese Political Thought§§	U	½	F	1	54.904*(Cr)		
54.609	Theories of Revolution	U	½	F	1	54.904*(Cr)		
54.611	Late Mediaeval and Early Renaissance Political Theories: Italy and England	U	½	S2	2	54.904*(Cr)		

*Or pre-1978 Political Science Level I equivalent.

§§Course given subject to availability of staff in 1979.

†Not offered in 1979.

Political Science (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
54.401	Political Science Advanced: A	A	1	**	***	Credit or better in all preceding Political Science units, including 54.904*(Cr)		
54.402	Political Science Advanced: B	A	1	**	***			
54.403	Political Science Advanced: C	A	1	**	***	Credit or better in all preceding Political Science units, including 54.904*(Cr)		
54.404	Political Science Advanced: D	A	1	**	***			
54.801	Political Science Honours	H	2	F		4 Advanced Level units plus 2 Upper Level units, all at Credit		

*Or pre-1978 Political Science Level I equivalent.
**One session or full year, depending on components.
***Average 2½ hours per week over full year or 5 hours per week over one session.

Psychology

Psychology Level I

12.001	Psychology I	I	2	F	5	Arts Faculty entrance		

Psychology Upper Level II

12.072	Human Relations II	U	1	S1	4	12.001		
12.082	Individual Differences II	U	1	S2	4	12.001		12.152

Psychology Advanced Level II

12.052	Basic Psychological Processes II	A	½	S1	4	12.001		
12.062	Complex Psychological Processes II	A	½	S2	4	12.001		
12.152	Research Methods II	A	1	F	3	12.001		12.082

Psychology Advanced Level III: Group A

12.153	Research Methods IIIA	A	½	S1	4	12.152		
12.163	Research Methods IIIB	A	½	S2	4	12.152, 12.153		

Psychology (continued)

No	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
Psychology Advanced Level III: Group B								
12.253	Learning IIIA	A	½	S1	4	12.052, 12.152		
12.373	Psychological Assessment IIIA (Testing)	A	½	S1	4	12.152 and 1 other Psychology Level II Course†		
12.413	Physiological Psychology IIIA	A	½	S1	4	12.052, 12.152†		
12.453	Human Information Processing IIIA	A	½	S2	4	12.062, 12.152		
12.473	Perception IIIA	A	½	S1	4	12.152		
12.503	Social Psychology IIIA	A	½	S1	4	12.062, 12.152†		
12.553	Developmental Psychology IIIA	A	½	S1	4	12.062, 12.152†		
12.603	Abnormal Psychology IIIA	A	½	S1 or S2	4	12.052, 12.152		
Psychology Advanced Level III: Group C								
12.173	Psychological Issues III	A	½	S1	4	12.052, 12.062†		
12.263	Learning IIIB	A	½	S2	4	12.052, 12.152, 12.253		
12.303	Personality IIIA	A	½	S1	4	2 Psychology Level II Courses†		
12.313	Personality IIIB*	A	½	S2	4	2 Psychology Level II Courses, 12.303		
12.323	Motivation IIIA	A	½	S1	4	12.052, 12.152		
12.383	Psychological Assessment (Psycho-metric Theory) IIIB	A	½	Not offered 1979	4	12.152 and 1 other Psychology Level II Course, 12.373		
12.423	Physiological Psychology IIIB	A	½	S2	4	12.052, 12.152, 12.413		
12.463	Human Information Processing IIIB	A	½	Not offered 1979	4	12.062, 12.152, 12.453		
12.483	Perception IIIB	A	½	S2	4	12.152, 12.473		
12.493	Psychophysics III	A	½	S2	4	12.153		
12.513	Social Psychology IIIB	A	½	S2	4	12.062, 12.152		12.523
12.523	Environmental Psychology III	A	½	S2	4	2 Psychology Level II Courses†		12.513
12.563	Developmental Psychology IIIB	A	½	Not offered 1979	4	12.062, 12.152, 12.553		
12.613	Abnormal Psychology IIIB	A	½	S2	4	12.052, 12.152, 12.603	12.603 may be taken as co-requisite	

Psychology (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
12.623	Guidance and Counselling III	A	½	S2	4	2 Psychology Level II Courses†		
12.653	Industrial Psychology III	A	½	S2	4	2 Psychology Level II Courses		
12.663	Ergonomics III	A	½	S1	4	12.152		
12.703	Psychological Techniques III	A	½	S2	4	2 Psychology Level II Courses		
12.713	Behaviour Control and Modification III	A	½	S2	4	12.052		

Psychology Honours Level IV

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
12.025	Psychology IV (Honours Course Work)	H	2	F		12.001, 12.052, 12.062, 12.152 and 8 Psychology Advanced Level III half-units, including 12.153 from Group A and at least 3 half-units from Group B, at an average level of Credit or better		
12.035	Psychology IV (Honours)	H	2	F		12.001, 12.052, 12.062, 12.152 and 8 Psychology Advanced Level III half-units, including 12.153 and 12.163 from Group A and at least 3 half-units from Group B, at an average level of Credit or better		

*Reserved for approved potential Psychology IV candidates. Applicants must have completed 12.001, 12.052, 12.062 and 12.152 at an average level of Credit or better.

Notes:

1. A student may not enrol in more than three Level III Psychology half-units unless 12.152 Research Methods II has been passed.

2. A student may not enrol in more than five Level III Psychology half-units unless 12.153 Research Methods IIIA has been passed.

3. A major in Psychology is minimally satisfied by the completion of 12.001, two Psychology Level II units and four Psychology Level III half-units.

4. A double major in Psychology adds an additional four Psychology Level III half-units to the four required for a single major. The double major is available to Pass students and approved potential Honours IV students.

†5. For 1979, a student who has completed 12.001 and 12.122 Psychology II Pass (a Credit grade is required) may enrol in up to 4 of Psychology Level III half-units chosen from 12.173, 12.303, 12.373, 12.413, 12.503, 12.523, 12.553 and 12.623.

6. Not all Level III units will necessarily be offered in each year.

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Russian†

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
59.501	Russian IA— Introductory Russian	I	2	F	7			
59.511	Russian IB	I	2	F	5	2 unit or 3 unit Russian (at HSC Exam percentile range 31-100)		
59.502	Russian IIA	U	2	F	7	59.501		
59.512	Russian IIB	U	2	F	5	59.511		
59.513	Russian IIIA	U	2	F	7	*		

*Satisfactory performance required as determined by School.

†Changes to the program may be introduced in 1979. For further details contact Head of School.

Sociology

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
53.001	Introduction to Sociology	I	2	F	3			
53.201	Methods of Social Investigation A	U	½	S1	2	53.103 and 53.104 or 53.001	53.202 or 53.207	53.501
53.202	Comparative Industrial Societies A	U	½	S1	2	53.103 and 53.104 or 53.001	53.201 or 53.207	53.501
53.207	Social Anthropology A	U	½	S1	2	53.103 and 53.104 or 53.001	53.201 or 53.202	53.501
53.208	Methods of Social Investigation B	U	½	S2	2	53.201	53.209 or 53.210	53.502
53.209	Comparative Industrial Societies B	U	½	S2	2	53.202	53.208 or 53.210	53.502
53.210	Social Anthropology B	U	½	S2	2	53.207	53.208 or 53.209	53.502
53.501	Sociology 2A (Advanced)	A	1	S1	6	53.103* and 53.104*		53.201, 53.202, 53.207
53.502	Sociology 2B (Advanced)	A	1	S2	6	53.501*		53.208, 53.209, 53.210
53.305	Sociology 3A	U	1	S1	4	53.208 and 53.209 or 53.210		53.507
53.306	Sociology 3B	U	1	S2	4	53.305		53.508
53.307	Sociology 3C	U	1	S1	4	53.208 and 53.209 or 53.210		53.507

Sociology (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
53.308	Sociology 3D	U	1	S2	4	53.305		53.508
53.507	Sociology 3E (Advanced)	A	1	S1	4	53.502*	53.305	
53.508	Sociology 3F (Advanced)	A	1	S2	4	53.507*	53.306	
53.525	Sociology Honours	H	2	F	6	53.507* and 53.508*		

*Satisfactory performance required as determined by School.

Spanish and Latin American Studies

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
65.100	S.L.A.S. IA— Introductory Spanish	I	2	F	6			65.110 and 65.120
65.110	S.L.A.S. IB	I	2	F	3	2 unit Spanish at HSC Exam percentile range 31-100 or 3 unit Spanish at HSC Exam percentile range 11-100 or equivalent qualifications		65.100 and 65.120
65.120	S.L.A.S. IC	I	2	F	5½	2 unit A Spanish at HSC Exam percentile range 71-100 or equivalent qualifications		65.100 and 65.110
65.200	S.L.A.S. 2A	U	1	S1	6½	65.100		65.250
65.201	S.L.A.S. 2B	U	1	S2	6½	65.200		65.251
65.250	S.L.A.S. 2A (Advanced)	A	1	S1	7½	65.100		65.200
65.251	S.L.A.S. 2B (Advanced)	A	1	S2	7½	65.250		65.201
65.210	S.L.A.S. 2C	U	1	S1	3	65.110		65.260
65.211	S.L.A.S. 2D	U	1	S2	3	65.210		65.261
65.260	S.L.A.S. 2C (Advanced)	A	1	S1	4	65.110		65.210
65.261	S.L.A.S. 2D (Advanced)	A	1	S2	4	65.260		65.211
65.240	S.L.A.S. 2E Spain and Latin America, 1400-1810	U	1	S1	4	Any one of 51.510, 51.511, 51.521, 54.904, 65.100, 65.110, 65.120 or both of 15.601 and 15.611 or both of 15.701 and 15.711 or both of 53.103 and 53.104		

Spanish and Latin American Studies (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
65.241	S.L.A.S. 2F—Latin America, 1810-1978	U	1	S2	4	Any *one* of 51.510, 51.511, 51.521, 54.904, 65.100, 65.110, 65.120, 65.240 *or* both of 15.601 *and* 15.611 *or* both of 15.701 *and* 15.711 *or* both of 53.103 *and* 53.104		
65.220	S.L.A.S. 2G	U	1	S1	6½	65.120		65.270
65.221	S.L.A.S. 2H	U	1	S2	6½	65.220		65.271
65.270	S.L.A.S. 2G (Advanced)	A	1	S1	7½	65.120		65.220
65.271	S.L.A.S. 2H (Advanced)	A	1	S2	7½	65.270		65.221
65.244	S.L.A.S. 2M—Brazil	U	1	S1	3			
65.245	S.L.A.S. 2N—Art of Precolumbian and Colonial Latin America	U	1	S2	3			
65.300	S.L.A.S. 3A	U	1	S1	7½ *†	Any *one* of 65.201, 65.251, 65.211, 65.261, 65.221 *or* 65.271		65.350
65.301	S.L.A.S. 3B	U	1	S2	7½ *†	65.300 *or* 65.310		65.351
65.310	S.L.A.S. 3C	U	1	S1	7½ *†	Any *one* of 65.201, 65.251, 65.211, 65.261, 65.221 *or* 65.271		65.360
65.311	S.L.A.S. 3D	U	1	S2	7½ *†	65.300 *or* 65.310		65.361
65.350	S.L.A.S. 3A (Advanced)	A	1	S1	8½ *†	Satisfactory performance in 65.250 *and* 65.251, 65.260 *and* 65.261 *or* 65.270 *and* 65.271		65.300
65.351	S.L.A.S. 3B (Advanced)	A	1	S2	8½ *†	65.350 *or* 65.360		65.301
65.360	S.L.A.S. 3C (Advanced)	A	1	S1	8½ *†	Satisfactory performance in 65.250 *and* 65.251, 65.260 *and* 65.261 *or* 65.270 *and* 65.271		65.310
65.361	S.L.A.S. 3D (Advanced)	A	1	S2	7½ *†	65.350 *or* 65.360		65.311
65.400	S.L.A.S. Honours	H	2	F	8½	For single Special Honours, satisfactory performance in 65.350, 65.351, 65.360 *and* 65.361 For combined Special Honours, satisfactory performance in any *two* of 65.350, 65.351, 65.360, 65.361		

*Students who have passed 65.211 or 65.261 will have 4½ hours per week fewer.

†A student who has passed 65.201, 65.251, 65.221 or 65.271 and is enrolled concurrently in any *two* of 65.300, 65.301, 65.310, 65.311 will have a total of 10½ hours per week. If enrolled concurrently in any *two* of 65.350, 65.351, 65.360, 65.361 the student will have a total of 12½ hours per week.

Schedule B

Major Sequences in the Bachelor of Arts Degree

General definition of a major sequence

Except as shown below, a major sequence is an approved sequence of at least four Upper Level or Advanced Level units (or their equivalent in double or fractional units), in one subject, following completion of two units at Level I.

The Upper Level and/or Advanced Level units of a major sequence are normally taken over the third, fourth, fifth and sixth sessions of study.

Exceptions and additions

1. Major sequences other than indicated above may be approved by Faculty in special cases.

2. History

An alternative major sequence in History may be obtained by taking at least two History double units in the degree and two other units approved by the School. Approved subjects include the Upper Level subjects offered in the Department of Economic History; 64.630 Germany Since 1945; 65.240 SLAS 2E (Spain and Latin America 1400-1810); 65.241 SLAS 2F (Latin America, 1810-1978) and 65.244 SLAS 2M (Brazil).

3. History and Philosophy of Science

A major sequence in History and Philosophy of Science may also be obtained by taking at least four H.P.S. units in the degree and additional approved units to make a total of at least six units. Any two Level I units in Schedule A may be taken.

Approved Upper Level units include: one or two units made up of the following half-units in Philosophy (Predicate Logic; Descartes; British Empiricism; Greek Philosophy I: Thales to Plato; Scientific Method: Foundations of Mathematics; Philosophy; Spinoza and Leibniz; Set Theory; Model Theory; Utopias); 53.206 Sociology IIIB (with the option Science Technology and Society); 15.695 Quantitative Methods in Historical Analysis; 15.753 Science, Society and Economic Development; 15.703 The Origins of Modern Economics; 15.713 Economic Thought from Karl Marx to John Maynard Keynes; with permission of the Head of the School, one or two units of an approved science.

4. Industrial Relations

A major sequence consists of any four Upper Level or Advanced Level Industrial Relations units for which the student is eligible, following completion of 15.511

Industrial Relations IA and one of 12.001, 15.011, 15.510, 15.511, 15.521, 53.104, 53.001, 54.904 and 54.901.

5. Philosophy

62.203 The Freudian Revolution and 62.503 Philosophy of Science may be counted as Upper Level units in a major sequence in Philosophy.

6. Psychology

A major in Psychology is obtained by the completion of 12.001, two Psychology Level II units including 12.152, and four Psychology Level III half-units.

A double major in Psychology involves four Psychology III half-units additional to the four required for a single major in the third year of Psychology. 12.153 must be included as one of the Level III half-units. The double major is available to Pass students as well as to approved potential Honours IV students (ie students who have achieved an average Credit or better grading at the completion of 12.001, 12.052, 12.062 and 12.152). For 1979, a student who has completed 12.001 and 12.122 Psychology II Pass (a Credit grade is required) may obtain a major in Psychology by taking four Psychology Level III half-units chosen from 12.173, 12.303, 12.373, 12.413, 12.503, 12.523, 12.553 and 12.623.

7. Mathematics†

In the second year of their course students should complete the Level II units* 10.111A, 10.1113, 10.1114 and 10.2111, 10.2112 (or the Higher equivalents 10.121A, 10.1213, 10.1214 and 10.2211, 10.2212).

In third year the student should take four Level III mathematics units**. Students should consider the merits of combining courses in Pure Mathematics, Applied Mathematics, Theoretical Mechanics and Statistics, in accordance with their future interests. The units 10.1111, 10.1112, 10.1121, 10.1127, 10.1128, are particularly recommended for students intending to teach.

Complementary units should be chosen in accordance with Faculty rules.

Students wishing to specialize and major in Pure Mathematics, Applied Mathematics, Theoretical Mechanics or Theory of Statistics, should consult the School of Mathematics regarding minimum course requirements. Senior members of the staff of the School of Mathematics are available for consultation by students who wish to discuss their courses.

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†For the purpose of BA Rule 11(c), Applied Mathematics, Pure Mathematics, Statistics and Theoretical and Applied Mechanics are regarded as distinct subjects.

*Three Level II Mathematics units are equivalent to two (2) Upper Level Arts units.

**Four Level III Mathematics units are equivalent to two (2) Upper Level Arts units.

8. Quantitative Methods

For the purpose of BA Rule 11C, Quantitative Methods are regarded as distinct subjects from Economics.

9. Sociology

Certain options offered by other Schools can be taken by students enrolling in Upper Level units in Sociology with approval of the Head of School.

These options are available from the schools of:

(1) History and Philosophy of Science

(2) Spanish and Latin American Studies

(3) French

(4) Economics

(5) German

(6) Industrial Relations

Students should consult with the School at the beginning of the year.

Western European Studies

Although the Faculty of Arts does not offer a major in Western European Studies, the following units are grouped together in this handbook in order to draw the attention of students wishing to specialize in this area in their major subject to the wide range of 'support' units available in other schools. Students are reminded that the regulations for the BA degree allow them great flexibility in their choice of Upper Level units to supplement their major subject.

Information Key

The following is the key to information about each subject: F (Full year, ie both sessions); S1 (Session 1); S2 (Session 2).

First Level units

No.	Name	Unit Value	When Offered	Prerequisite
Economic History				
15.701	European Economy and Society to 1800	1	S1	
15.711	European Industrialization in a Nationalistic Framework	1	S2	15.701
History				
51.511	History IB: Europe 1500-1850	2	F	
History and Philosophy of Science				
62.201	The Modern History of Western Cosmology	1	S1	
62.202	The History of Ancient and Renaissance Cosmology	1	S2	
62.211	The Seventeenth Century Intellectual Revolution	1	S1	
62.212	The Cultural Impact of the Seventeenth Century Scientific Revolution	1	S2	
Philosophy				
52.103	Introductory Philosophy A	1	S1	
52.104	Introductory Philosophy B	1	S2	

Upper Level units

No.	Name	Unit Value	When Offered	Prerequisite
Drama				
57.156	Classical French Theatre	1	S1	57.103*
57.506	Drama and Theatre in Germany	1	S2	**57.103***

*Or equivalent qualifications as determined by the School.

No.	Name	Unit Value	When Offered	Prerequisite
Economic History				
15.653	Aspects of British Economic and Social Change 1740-1850	1	S2	
15.655	British Imperialism in the 17th and 18th Centuries	1	S1	15.601 or 15.711 or 51.511
15.665	Economic and Social History of Modern Germany	1	S2	15.711 or 15.601 or 51.511 or 64.501 or 64.521

No.	Name	Unit Value	When Offered	Prerequisite
French				
56.162	Recent Political and Sociological Speculation by French Intellectuals	1	S2	Any four Level One Arts units and preferably 2 unit French at HSC Exam percentile range 31-100

No.	Name	Unit Value	When Offered	Prerequisite
German				
64.600	German Literature and Society in the 20th Century	1	F	*
64.610	German Literature and Society	1	F	* Not offered in 1979
64.620	German Reading Course	1	F	*
64.630	Germany since 1945	2	F	*
64.640	The Persecution and Destruction of European Jewry 1933-1945	2	F	* Not offered in 1979
64.650	An Introduction to the Historical Study of the Germanic Languages	1	F	* Two units of English or a foreign language
64.660	The Paris Commune of 1871	1	F	* 56.511 or 51.511 or 51.593 or 54.901 or 53.104. Not offered in 1979.

*Approval to enrol in these units should be obtained from the School of German.

No.	Name	Unit Value	When Offered	Prerequisite
History				
51.593	History IIH. Modern Europe	2	F	51.511 or 64.521 or 15.711

No.	Name	Unit Value	When Offered	Prerequisite
History and Philosophy of Science				
62.223	The Discovery of Time	1	S1	Any four Arts or other approved units
62.242	Introduction to the History of Ideas	1	S2	Any four Level One Arts units
62.243	The Darwinian Revolution	1	S2	Any four Arts or other approved units
62.253	Social History of Science from the French Revolution to World War II	1	S2	Any four Arts or other approved units
62.203	The Freudian Revolution	1	F	62.243 or 62.273 or 62.283 (or special permission)

Arts

Upper Level units

No.	Name	Unit Value	When Offered	Prerequisite
History and Philosophy of Science (continued)				
62.213	Marxism and Science	1	S2	Four Arts or other approved units including at least two of: 52.193, 52.253, 52.373, 52.383
62.293	Science and the Strategy of War and Peace	1	S1	Any four Arts or other approved units
62.513	The History of the Philosophy and Methodology of Science	1	F	Four Arts or other approved units (including two units of History and Philosophy of Science or Philosophy or one unit of History and Philosophy of Science and one unit of Philosophy)
Philosophy				
52.163	Descartes	½	S1	**
52.173	British Empiricism	½	S2	**
52.183	Greek Philosophy: Thales to Plato	½	S1	**
52.203	Classical Political Philosophy	½	S1	**
52.213	Sartre	½	S1	52.163 or 52.493
52.293	Plato's Later Dialogues	½	S2	52.483*
52.303	Spinoza and Leibniz	½	S2	52.163
52.483	Plato's Theory of Forms	½	S2	**
52.503	Utopias	½	S1	** and 52.182 or 52.204
52.513	Social and Political Philosophy	½	S2	** and 52.182 or 52.204
52.5231	Classical Greek Ethics	½	S1	**
52.5232	Theories in Moral Philosophy	½	S2	**
52.533	Contemporary Ethics	½	S2	52.523*
52.543	The Philosophy of Love	½	S1	52.163 or 52.173 or 52.263
52.553	Contemporary Moral Issues	½	S2	**
52.563	Hume	½	S1	**
52.573	Psychoanalysis — Freud and Lucan	½	S2	**

*Or equivalent qualifications as determined by the School.
**Upper Level status in Philosophy.

No.	Name	Unit Value	When Offered	Prerequisite
Political Science				
54.302	Marxism	½	S1	54.904 (Cr)
54.322	British Government B	½	F	54.904 (Cr)
54.611	Late Mediaeval and Early Renaissance Political Theories: Italy and England	½	S2	54.904 (Cr)
Sociology				
53.202	Comparative Industrial Societies/A	½	S1	53.103 and 53.104
53.209	Comparative Industrial Societies/B	½	S2	Comparative Industrial Societies/A
53.207	Social Anthropology/A	½	S1	53.103 and 53.104
53.210	Social Anthropology/B	½	S2	Social Anthropology/A

Graduate Study

At the graduate level the degrees of Doctor of Philosophy and Master of Arts are offered in most schools of the Faculty.

The Faculty of Arts offers two kinds of graduate work leading to the award of the degree of Master of Arts: the Honours MA, which is primarily awarded for a written thesis, is intended chiefly for graduates engaged in research; while the Pass MA, in which there is more emphasis upon course-work and formal instruction, is intended for graduates who wish to expand and extend their undergraduate knowledge by further intensive training with less emphasis upon original research work.

The **Conditions for the Award of Higher Degrees** are set out in the following section of this handbook.

Graduate Enrolment Procedures

All students enrolling in graduate courses should obtain a copy of the free booklet *Enrolment Procedures 1979* available from School Offices and the Admissions Office. This booklet provides detailed information on enrolment procedures and fees, enrolment timetables by Faculty and course, enrolment in miscellaneous subjects, locations and hours of Cashiers and late enrolments.

Masters Degree Courses at Pass Level

English

In addition to the Master of Arts (Honours), the School of English offers courses leading to the award of the pass degree of Master of Arts (part-time course).

Candidates for the award of the degree must complete two courses (one in each of two years). Each course involves approximately sixty hours of seminars, together with such supplementary study of criticism, research-materials and methods as may be prescribed from time to time. Candidates are expected to undertake wide reading in preparation for each seminar and must, as required, write essays and prepare papers to be presented at the seminars. Assessment is based on these essays and papers as well as on examinations to be taken at the end of each session or the end of the year.

All students are required to attend a seminar, held every second week, on literary history or on problems of literary criticism.

Not all courses are available in any one year; and on the evidence of studies previously undertaken by the candidate as part of an undergraduate program or otherwise, the Head of the School may direct a candidate to take or not to take a particular course as part of his/her MA degree program.

The courses from which students are required to select subjects for study are:

50.501G	Linguistic History and Theory.
50.502G	Australian Literature—Nineteenth Century.
50.503G	Mediaeval English Literature.
50.504G	Major Australian Writers of the Twentieth Century.
50.505G	English Fiction of the Later Nineteenth and Earlier Twentieth Centuries.
50.506G	English Literature of the Seventeenth Century.
50.507G	Shakespeare.
50.508G	The Classical Background of English Literature.

French

In addition to the Master of Arts (Honours), the School of French also offers a course leading to the award of the pass degree of Master of Arts (part-time course).

This course consists of eight fourteen-hour seminar courses over four consecutive sessions. Candidates must also submit a thesis on an approved subject to be taken preferably from an area covered by the seminars.

German

In addition to the Master of Arts (Honours), the School of German also offers a course leading to the award of the pass degree of Master of Arts.

The course consists of two units, 64.501G and 64.502G, which may be taken either concurrently (in one year) or consecutively (in two successive years). In each unit candidates are required to attend two 21-hour seminar courses on literature or linguistics and a staff-student seminar on critical method, and to undertake such practical language work as the School considers necessary. In addition, a short thesis 64.500G of approximately 20,000 words on a literary or linguistic topic must be submitted.

History

In addition to the Master of Arts (Honours), the School of History offers courses leading to the award of the pass degree of Master of Arts.

Candidates for the award of the degree must complete over a period of at least two sessions (full time) or four sessions (part time) *one* of the two optional programs of study.

Either

1. Complete four session length seminar courses chosen from the available options and submit a thesis of not more than 20,000 words on a topic suitable to the School.

or

2. Complete six session length courses chosen from the available options.

In either program a student may, subject to the approval of the Head of the School of History, substitute a Reading Course, under the supervision of a member of the School of History, for one of the session length seminar courses.

Courses offered in 1979

Session 1

51.503G	Politics and Society in Indonesia, 1900-1965
51.504G	The Nature of Crisis Situations in Modern European History
51.505G	Historical Origins of the Modern Middle East
51.509G	The Search for Order: A Social and Cultural examination of Australia in the period 1880-1914

Session 2

51.507G	Millenarian Movements
51.508G	Industrialization and Culture
51.506G	Conflict and Consensus in Modern Australia from 1890
51.510G	Sport and History
51.511G	Urban History in Asia

Mathematics

The School of Mathematics offers courses leading to the award of the pass degree of Master of Arts.

Candidates must complete over a period of at least four sessions eight courses chosen from those listed below, or from the MStats courses, or from the pass MA degree courses offered by the School of Philosophy. The courses 10.181G, 10.182G, 10.183G and 10.184G must be included in the eight. The choice of courses must be approved by the Head of School, and *candidates must submit an essay (10.481G) on an approved topic.*

In addition, the Head of the School of Mathematics may prescribe as co-requisites other courses in the School of Mathematics which he deems appropriate in each individual case.

The degree course is intended for practising teachers. The prerequisites include the DipEd or equivalent qualification.

The School of Mathematics expects to offer not fewer than two of the following courses in each session.

		Hours per session
10.181G	Advanced Analysis	28
10.182G	Characters and Crystals	28
10.183G	Geometry	28
10.184G	Number Theory	28
10.185G	Theory of Distributions	28
10.186G	Hilbert Space	28
10.187G	History of Mathematics	28
10.188G	Topology	28
10.189G	Seminar	28
10.190G	Graph Theory and Combinatorics	28
10.191G	Mathematics Education A	28
10.192G	Mathematics Education B	28
10.281G	Mathematical Methods	28
10.282G	Mathematics of Optimization	28
10.283G	Quantum Mechanics	28
10.284G	Relativity and Cosmology	28
10.372G	Statistics and Experimental Design	42
10.073G	Advanced Mathematical Analysis of Data	28
10.401G	Seiches and Tides	28
10.481G	Essay	

more alternative courses. Under certain circumstances permission may also be given to substitute courses offered by the School of Mathematics.

Year 1, Session 1	52.501G Set Theory
	52.502G Formal Linguistics
Year 1, Session 2	52.503G Model Theory
	52.504G Automata and Computation
Year 2, Session 1	52.505G Metamathematics
	52.506G Modal Logic
Year 2, Session 2	52.507G Non-standard Logics
	52.508G Topics in Logic

Philosophy

In addition to the Master of Arts (Honours), the School of Philosophy also offers courses leading to the award of the pass degree of Master of Arts.

A course is offered in Formal Logic, with some applications to Linguistics and to Computing, for suitably qualified graduates in Arts with a major in Philosophy or majors in related fields, and adequate undergraduate philosophical training.

Candidates complete a course of lectures and seminars over four sessions part-time, taking two separate courses in each session. Besides being examined on course work, candidates are required to submit a short thesis embodying the results of their own research.

The following courses are offered, and will normally be taken in the order given. Subject to the approval of the Faculty, candidates who have covered similar subjects in their undergraduate program may be given one or

Conditions for the Award of Higher Degrees

First Degrees   Rules, regulations and conditions for the award of first degrees are set out in the appropriate Faculty Handbooks.

For the list of undergraduate courses and degrees offered see **Disciplines of the University: Faculty Table (Undergraduate Study)** in the Calendar.

Higher Degrees   The following is the list of higher degrees and graduate diplomas of the University, together with the publication in which the conditions for the award appear.

For the list of graduate degrees by research and course work, arranged in faculty order, see **Disciplines of the University: Faculty Table (Graduate Study)** in the Calendar.

For the statements **Preparation and Submission of Project Reports and Theses for Higher Degrees** and **Policy with respect to the use of Higher Degree Theses** see the Calendar.

Title	Abbreviation	Calendar/Handbook
Higher Degrees		
Doctor of Science	DSc	Calendar
Doctor of Letters	DLitt	Calendar
Doctor of Laws	LLD	Calendar
Doctor of Medicine in the Faculty of Medicine	MD	Calendar Medicine
Doctor of Philosophy	PhD	Calendar and all faculties
Master of Applied Science	MAppSc	Applied Science
Master of Architecture	MArch	Architecture

Title	Abbreviation	Calendar/Handbook	
Master of Arts	MA(Hons) MA	Arts Military Studies Arts	**Higher Degrees (continued)**
Master of Biomedical Engineering	MBiomedE	Engineering	
Master of Building	MBuild	Architecture	
Master of Business Administration	MBA	AGSM	
Master of Chemistry	MChem	Sciences*	
Master of Commerce (Honours)	MCom(Hons)	Commerce	
Master of Commerce	MCom	Commerce	
Master of Counselling (Education)	MCouns(Ed)	Professional Studies	
Master of Education	MEd	Professional Studies	
Master of Educational Administration	MEdAdmin	Professional Studies	
Master of Engineering Master of Engineering without Supervision	ME	Applied Science Engineering Military Studies	
Master of Engineering Science	MEngSc	Engineering Military Studies	
Master of General Studies	MGenStud	General Studies	
Master of Health Administration	MHA	Professional Studies	
Master of Health Personnel Education	MHPEd	Calendar†	
Master of Health Planning	MHP	Professional Studies	
Master of Landscape Architecture	MLArch	Architecture	
Master of Laws by Research	LLM	Law	
Master of Librarianship	MLib	Professional Studies	
Master of Mathematics	MMath	Sciences*	
Master of Optometry	MOptom	Sciences*	
Master of Physics	MPhysics	Sciences*	
Master of Psychology	MPsychol	Sciences‡	
Master of Public Administration	MPA	AGSM	
Master of Science Master of Science without Supervision	MSc	Applied Science Architecture Engineering Medicine Military Studies Sciences*‡	
Master of Science (Acoustics)	MSc(Acoustics)	Architecture	
Master of Science and Society	MScSoc	Sciences*	
Master of Science (Biotechnology)	MSc(Biotech)	Sciences‡	
Master of Science (Building)	MSc(Building)	Architecture	
Master of Social Work	MSW	Professional Studies	
Master of Statistics	MStats	Sciences*	
Master of Surgery	MS	Medicine	

For footnotes see end of Table on next page.

Title	Abbreviation	Calendar/Handbook
Master of Surveying Master of Surveying without Supervision	MSurv	Engineering
Master of Surveying Science	MSurvSc	Engineering
Master of Town Planning	MTP	Architecture

Graduate Diplomas

Graduate Diploma	GradDip	Applied Science Architecture Engineering Sciences*‡
Graduate Diploma in the Faculty of Professional Studies	DipArchivAdmin DipEd DipLib	Professional Studies

*Faculty of Science.
‡Faculty of Biological Sciences.

Doctor of Philosophy (PhD)

1. The degree of Doctor of Philosophy may be granted by the Council on the recommendation of the Professorial Board to a candidate who has made an original and significant contribution to knowledge and who has satisfied the following requirements:

Qualifications

2. A candidate for registration for the degree of Doctor of Philosophy shall:
(1) hold an honours degree from the University of New South Wales; or

(2) hold an honours degree of equivalent standing from another approved university; or

(3) if he holds a degree without honours from the University of New South Wales or other approved university, have achieved by subsequent work and study a standard recognised by the appropriate Faculty or Board of Studies as equivalent to honours; or

(4) in exceptional cases, submit such other evidence of general and professional qualifications as may be approved by the Professorial Board on the recommendation of the Faculty or Board of Studies.

3. When the Faculty or Board of Studies is not satisfied with the qualifications submitted by a candidate, the Faculty or Board of Studies may require him, before he is permitted to register, to undergo such examination or carry out such work as the Faculty or Board of Studies may prescribe.

Registration

4. A candidate for registration for a course of study leading to the degree of Doctor of Philosophy shall:

(1) apply to the Registrar on the prescribed form at least one calendar month before the commencement of the session in which he desires to register; and

(2) submit with his application a certificate from the head of the University school in which he proposes to study stating that the candidate is a fit person to undertake a course of study and research leading to the degree of Doctor of Philosophy and that the school is willing to undertake the responsibility of supervising the work of the candidate and of reporting to the Faculty or Board of Studies at the end of the course on the merits of the candidate's performance in the prescribed course.

5. Subsequent to registration the candidate shall pursue a program of advanced study and research for at least six academic sessions, save that:

(1) a candidate fully engaged in advanced study and research for his degree, who before registration was engaged upon research to the satisfaction of the Faculty or Board of Studies, may be exempted from not more than two academic sessions;

(2) in special circumstances the Faculty or Board of Studies may grant permission for the candidate to spend not more than one calendar year of his program in advanced study and research at another institution provided that his work can be supervised in a manner satisfactory to the Faculty or Board of Studies;

(3) in exceptional cases, the Professorial Board on the recommendation of the Faculty or Board of Studies may grant permission for a candidate to be exempted from not more than two academic sessions.

6. A candidate who is fully engaged in research for the degree shall present himself for examination not later than ten academic sessions from the date of his registration. A candidate not fully engaged in research shall present himself for examination not later than twelve academic sessions from the date of his registration. In special cases an extension of these times may be granted by the Faculty or Board of Studies.

7. The candidate shall be required to devote his whole time to advanced study and research, save that:

(1) the Faculty or Board of Studies may permit a candidate on application to undertake a limited amount of University teaching or outside work which in its judgement will not interfere with the continuous pursuit of the proposed course of advanced study and research;

(2) a member of the full-time staff of the University may be accepted as a part-time candidate for the degree, in which case the Faculty or Board of Studies shall prescribe a minimum period for the duration of the program;

(3) in special circumstances, the Faculty or Board of Studies may, with the concurrence of the Professorial Board, accept as a part-time candidate for the degree a person who is not a member of the full-time staff of the University and is engaged in an occupation which, in its opinion, leaves the candidate substantially free to pursue his program in a school of the University. In such a case the Faculty or Board of Studies shall prescribe for the duration of his program a minimum period which, in its opinion, having regard to the proportion of his time which he is able to devote to the program in the appropriate University school is equivalent to the six sessions ordinarily required.

8. Every candidate shall pursue his program under the direction of a supervisor appointed by the Faculty or Board of Studies from the full-time members of the University staff. The work, other than field work, shall be carried out in a School of the University save that in special cases the Faculty or Board of Studies may permit candidates to conduct their work at other places where special facilities not possessed by the University may be available. Such permission will be granted only if the direction of the work remains wholly under the control of the supervisor.

9. Not later than two academic sessions after registration the candidate shall submit the topic of his research for approval by the Faculty or Board of Studies. After the topic has been approved it may not be changed except with the permission of the Faculty or Board of Studies.

10. A candidate may be required by the Faculty or Board of Studies to attend a formal course of study appropriate to his work.

11. On completing his course of study every candidate must submit a thesis which complies with the following requirements: **Thesis**

(1) the greater proportion of the work described must have been completed subsequent to registration for the PhD degree;

(2) it must be an original and significant contribution to the knowledge of the subject;

(3) it must be written in English except that a candidate in the Faculty of Arts may be required by the Faculty on the recommendation of the supervisor to write the thesis in an appropriate foreign language;

(4) it must reach a satisfactory standard of expression and presentation.

12. The thesis must present the candidate's own account of his research. In special cases work done conjointly with other persons may be accepted, provided the Faculty or Board of Studies is satisfied on the candidate's part in the joint research.

13. Every candidate shall be required to submit with his thesis a short abstract of the thesis comprising not more than 600 words.

The abstract shall indicate:

(1) the problem investigated;

(2) the procedures followed;

(3) the general results obtained;

(4) the major conclusions reached;

but shall not contain any illustrative matter, such as tables, graphs or charts.

14. A candidate may not submit as the main content of his thesis any work or material which he has previously submitted for a university degree or other similar award.

Entry for Examination

15. The candidate shall give in writing two months' notice of his intention to submit his thesis and such notice shall be accompanied by the appropriate fee.

16. Four copies of the thesis shall be submitted together with a certificate from the supervisor that the candidate has completed the course of study prescribed in his case. The four copies of the thesis shall be presented in a form which complies with the requirements of the University for the preparation and submission of higher degree theses. The candidate may also submit any work he has published whether or not such work is related to the thesis.

17. It shall be understood that the University retains the four copies of the thesis submitted for examination, and is free to allow the thesis to be consulted or borrowed. Subject to the provisions of the Copyright Act, 1968 the University may issue the thesis in whole or in part, in photostat or microfilm or other copying medium.

18. There shall normally be three examiners of the thesis, appointed by the Professorial Board on the recommendation of the Faculty or Board of Studies, at least one of whom shall be an external examiner.

19. After examining the thesis the examiners may:

(1) decide that the thesis reaches a satisfactory standard; or

(2) recommend that the candidate be required to re-submit his thesis in revised form after a further period of study and/or research; or

(3) recommend without further test that the candidate be not awarded the degree of Doctor of Philosophy.

20. If the thesis reaches the required standard, the examiners shall arrange for the candidate to be examined orally, and, at their discretion, by written papers and/or practical examinations on the subject of the thesis and/or subjects relevant thereto, save that on the recommendation of the examiners the Faculty or Board of Studies may dispense with the oral examination.

21. If the thesis is of satisfactory standard but the candidate fails to satisfy the examiners at the oral or other examinations, the examiners may recommend the University to permit

the candidate to represent the same thesis and submit to a further oral, practical or written examination within a period specified by them but not exceeding eighteen months.

22. At the conclusion of the examination, the examiners will submit to the Faculty or Board of Studies a concise report on the merits of the thesis and on the examination results, and the Faculty or Board of Studies shall recommend whether or not the candidate may be admitted to the degree.

23. A candidate shall be required to pay such fees as may be determined from time to time by the council.

1. The degree of Master of Arts may be awarded by the Council on the recommendation of the Higher Degree Committee of the Faculty of Arts (hereinafter referred to as the Committee) to a candidate who has satisfactorily completed an approved program of advanced study.

Master of Arts (MA)

Master of Arts (Honours) (MA(Hons))

The degree shall be awarded in two grades, namely the Pass degree and the degree with Honours. There shall be two classes of Honours, namely Class I and Class II.

2. (1) (a) An applicant for registration for the Honours degree of Master of Arts shall have been admitted to the degree of Bachelor of Arts at a standard not below second class honours in the University of New South Wales, or other approved University, in an appropriate School or Department.

Qualifications

Honours

(b) Applicants for registration for the Honours degree who are graduates in Arts of this, or other approved university, with a degree at a standard below second class honours shall be required to take a qualifying examination as approved by the Committee, and if successful may then apply for registration as a candidate for the Honours degree.

(c) Notwithstanding any other provisions of these conditions the Committee on the recommendation of the Head of the School, may require an applicant to demonstrate fitness for registration as a candidate for the Honours degree by carrying out such work and passing such examinations as the Committee may determine. The Faculty may on the recommendation of the Head of the School concerned require a candidate for the Honours degree to undergo a suitable test in a relevant language, the form of such test to be recommended by the Head of School concerned.

(2) (a) Unless the Committee shall otherwise determine, an applicant for registration as a candidate for the Pass degree of Master of Arts shall have been admitted to the degree of Bachelor of Arts in the University of New South Wales or other approved university and shall have taken a major sequence, and passed all necessary examinations, in the subject or subjects, or in a discipline related to the subject or subjects in which he wishes to work for the Pass degree.

Pass

(b) Notwithstanding the provisions of clause (2) (a) the Committee may, on the recommendation of the Head of the School, require an applicant to demonstrate his eligibility for registration by carrying out such work and passing such examinations as the Faculty may determine.

(3) A graduate in a Faculty other than Arts of this or other approved university may be admitted to registration for the Honours or Pass degree of Master of Arts, with the approval of the Committee.

(4) In special circumstances a person may be permitted to register as a candidate for the Honours or Pass degree of Master of Arts if he submits evidence of such academic and professional attainments as may be approved by the Committee.

Registration **3.** (1) An application to register as a candidate for the degree of Master of Arts shall be made on the prescribed form which shall be lodged with the Registrar at least two full calendar months before the commencement of the session in which the candidate desires to register.

(2) A candidate for the degree shall be registered in one of the following Schools of the Faculty of Arts: Drama, Economics, English, French, Geography, German, History, History and Philosophy of Science, Mathematics*, Philosophy, Political Science, Psychology, Russian, Sociology, Spanish.

(3) No candidate shall without the approval of the Head of the School concerned, be enrolled as a candidate for the degree of Master of Arts at the same time as he is enrolled for any other degree or diploma in this University or elsewhere.

Honours Degree **3.1** (1) Every candidate for the Honours degree shall be required to submit a thesis embodying the results of an original investigation, to take such examinations and to perform such other work as may be prescribed by the Committee on the recommendation of the Head of the School concerned. A candidate for the Honours degree may not submit as the main content of his thesis any work or material which he has previously submitted for a university degree or other similar award.

(2) The investigation and other work as provided in paragraph **3.1** (1) shall be carried out under the direction of a supervisor appointed by the Committee or under such conditions as the Committee may determine.

(3) Every candidate for the Honours degree shall in the first instance submit his proposed course of study and the subject of his thesis for the approval of the Head of the School concerned.

(4) No candidate shall be considered for the award of the Honours degree until the lapse of three complete sessions from the date from which registration becomes effective, save that in the case of a candidate who has demonstrated exceptional merit this period may with the approval of the Committee be reduced by one session.

(5) A candidate for the Honours degree may not be awarded the Pass degree.

Pass Degree **3.2** (1) A candidate for the Pass degree shall attend such classes and seminars as may be prescribed, shall pass the required examinations, and shall complete satisfactorily such written and other work as the Head of School may determine.

(2) No part-time candidate shall be considered for the award of the Pass degree until the lapse of four complete sessions from the date from which registration becomes effective. No full-time candidate shall be considered for the award of the degree until the lapse of two sessions from the date from which registration becomes effective.

(3) In every case before permitting an applicant to register as a candidate the Committee shall be satisfied that adequate supervision and facilities are available.

Thesis **4.** (1) A candidate for the Honours degree shall be required to present three copies of the thesis referred to in paragraph **3.1** (1) which shall be presented in a form which complies with the requirements of the University for the preparation and submission of higher degree theses.

(2) For each candidate for the Honours degree there shall be at least two examiners appointed by the Professorial Board on the recommendation of the Committee, one of whom shall, if possible be an external examiner.

(3) It shall be understood that the University retains three copies of the Honours thesis submitted for examination and may allow the thesis to be consulted or borrowed. Subject to the provisions of the Copyright Act, 1968 the University may issue the Honours thesis in whole or in part in photostat or microfilm or other copying medium.

*The School of Mathematics includes a Department of Statistics.

5. After considering the examiners' reports where appropriate and the candidate's other results in the prescribed course of study the Committee will recommend whether or not the candidate should be admitted to the degree.

Recommendation for Admission to Degree

6. An approved applicant shall pay such fees as may be determined from time to time by the Council.

Fees

Subject Descriptions

Identification of Subjects by Numbers

Each of the subjects taught in the University is identifiable both by number and by name. This is a fail-safe measure at the points of enrolment and examination against a student nominating a subject other than the one intended. Subject numbers are allocated by the Assistant Registrar, Examinations and Student Records, and the system of allocation is:

1. The School offering a subject is indicated by the number before the decimal point;

2. If a subject is offered by a Department within a School, the first number after the decimal point identifies that Department;

3. The position of a subject in a sequence is indicated by the third number after the decimal point. For example, 2 would indicate that the subject is the second in a sequence of subjects:

4. Graduate subjects are indicated by the suffix G.

As indicated above, a subject number is required to identify each subject in which a student is to be enrolled and for which a result is to be returned. Where students may take electives within a subject, they should desirably be enrolled initially in the particular elective, and the subject numbers allotted should clearly indicate the elective. Where it is not possible for a student to decide on an elective when enrolling or re-enrolling, and separate examinations are to be held in the electives, Schools should provide to the Examinations and Student Records Section in April (Session 1) and August (Session 2) the names of students taking each elective. Details of the actual dates in April and August are set out in the Calendar of Dates earlier in this volume.

Those subjects taught in each Faculty are listed in full in the handbook of that Faculty, together with the subject description handbook of that Faculty in the section entitled Subject Descriptions.

Servicing Subjects are those taught by a School or Department outside of its own faculty, and are listed at the end of **Undergraduate Study** or **Graduate Study** of the relevant subject. Their subject descriptions are published in the handbook of the faculty in which the subject is taught.

The **Identifying numbers** for each School are set out on the following page.

Information Key

The following is the key to the information supplied about each subject listed below:

S1 (Session 1); S2 (Session 2); F (Session 1 *plus* Session 2, ie full year); S1 or S2 (Session 1 *or* Session 2, ie choice of either session); SS (single session, ie which session taught is not known at time of publication); L (Lecture, followed by hours per week); T (Laboratory/Tutorial, followed by hours per week); UVal (Unit Value).

HSC Exam Prerequisites

Subjects which require prerequisites for enrolment in terms of the HSC Examination percentile range, refer to the **1978 HSC Examination**.

Candidates for enrolment who obtained the HSC in previous years or hold other high school matriculation should check with the appropriate School on what matriculation status is required for admission to a subject.

**Formerly Department of Behavioural Science: new name effective from 1 January 1979.

Biology

Undergraduate Study

The first course in Biology comprises units 17.031 and 17.021.

No more than four units from the subjects listed under Biology in Schedule A in this handbook may be included in a student's program for the Degree of Bachelor of Arts.

17.031   Cell Biology   S1 L2T4

Prerequisites:	HSC Exam Percentile Range Required
2 unit Science (any strand) or	31-100
4 unit Science (multistrand)	31-100

Basic cell structure: membranes, organelles, prokaryotic and eukaryotic cells; cellular locomotion; basic biological molecules; enzymes: structure and metabolic roles, cellular compartmentalization and enzyme function; diffusion, osmosis and active transport; theory of inheritance, linkage, gene interaction, sex determination, mutation, selection and evolution; information transfer and protein synthesis.

Requirements for Practical Work

A list of equipment required for practical work is posted on the notice board in the ground floor of the Biological Sciences Building. Students must purchase this material *before* the first practical class.

17.021   Biology of Higher Organisms   S2 L2T4

Prerequisite: 17.031.

The diversity of living things and the ways in which they have adapted to varying environments. Flowering plants and vertebrate animals, and the complex organ systems they possess. The structure and function of these organs, as well as their coordination and control, are examined in practical experiments and form the basis of lecture and tutorial programs.

17.012   General Ecology   S2 L2T4

Prerequisites: 17.001 or 17.011 and 17.021 or 17.031 and 17.021.

Evolution and environmental selection in the Australian continent; geological, palaeoclimatological, biogeographical and historical background. Functional organization of ecosystems: energy budgets, hydrological and biogeochemical cycles. Integrated structure and function of ecosystems, including cropping and management of natural resources. Aspects of microbial ecology. Students are required to attend a field camp as an integral part of the course.

43.101   Introductory Genetics   S2 L2T4

Prerequisites: 17.001 or 17.011 and 17.021 or 17.031 and 17.021.

Various aspects of molecular, organismal and population genetics, including: meiotic and non-meiotic recombination, genome variations, mutagens and mutation rates, cytoplasmic inheritance, gene function, genetic code, gene structure, collinearity of polynucleotide and polypeptide, control of gene action, genes and development, population genetics, genetics and improvement of plants and animals.

43.111   Flowering Plants   S1 L2T4

Prerequisites: 17.001 or 17.011 and 17.021 or 17.031 and 17.021.

Vegetative and floral morphology of Angiosperms; special reference to variations in morphology, elements of biological classification, nomenclature and identification of native plants. Weekend field work is part of the course.

43.112   Plant Taxonomy‡   S2 L2T4

Prerequisite: 43.111. Co-requisite: 43.101.

The assessment, analysis and presentation of data for classifying plants both at the specific and supraspecific level; the emphasis is on vascular plants. Field work is part of the course.

43.131   Fungi and Man   S1 L2T4

Prerequisites: 17.001 or 17.011 and 17.021 or 17.031 and 17.021.

An introduction to the biology and taxonomy of fungi and a study of their economic importance to man. Includes: fungi as pathogens of plants and animals; use of fungi as food and in the production of useful chemical products; medical uses of fungi, including drugs and hallucinogens; degradation of organic matter, particularly in soils and of timber; interaction of fungi with other organisms; chemical control of fungi.

43.132   Mycology and Plant Pathology   S2 L2T4

Prerequisite: 43.131.

A detailed study of the fungi, including both saprophytic and plant pathogenic species. Includes: hyphal structure and ultrastructure; morphology and taxonomy of members of major taxonomic groups; spore liberation, dispersal, deposition, germination, infection and the establishment of host-pathogen relationship; morphogenesis of vegetative and fruiting structures; cytology, genetics; ecological considerations of fungi in specialized habitats, survival mechanisms and methods of control of plant pathogens.

43.162   The Plant Kingdom‡   S2 L2T4

Prerequisite: 43.111.

The major taxa of the Plant Kingdom with emphasis on the green plants. The evolution of basic vegetative structures, reproductive structures and genetic systems are studied. Field work is part of the course.

‡These units alternate each year. 43.162 is available in 1979.

45.101   Biometry

Prerequisites: 17.001 or 17.011 and 17.021.

Statistical methods and their application to biological data: introduction to probability; the binomial, poisson, negative binomial, normal distributions; student's t, χ^2 and variance ratio tests of significance based on the above distributions; the analysis of variance of orthogonal and some non-orthogonal designs; linear regression and correlation. Non-linear and mulitple regression. Introductory factorial analysis. Experimental design. Non-parametric statistics, including tests based on χ^2, the Kruskal-Wallis test, Fisher's exact probability test and rank correlation methods.

45.201   Invertebrate Zoology   S2 L2T4

Prerequisites: 17.001 or 17.011 and 17.021 or 17.031 and 17.021.

A comparative study of the major invertebrate phyla with emphasis on morphology, systematics and phylogeny. Practical work to illustrate the lecture course. Obligatory field camp.

45.301   Vertebrate Zoology   S1S2 L2T4

Prerequisites: 17.001 or 17.011 and 17.021 or 17.031 and 17.021.

A comparative study of the Chordata, including morphology, systematics, evolution, natural history, with reference to selected aspects of physiology and reproduction. Practical work to supplement the lecture course. Field excursions as arranged.

Chemistry

Undergraduate Study

2.111   Introductory Chemistry

Classification of matter and the language of chemistry. The gas laws and the Ideal Gas Equation, gas mixtures and partial pressure. The structure of atoms, cations and anions, chemical bonding, properties of ionic and covalent compounds. The Periodic classification of elements, oxides, hydrides, halides of selected elements. Acids, bases, salts, neutralization. Stoichiometry, the mole concept. Electron transfer reactions. Qualitative treatment of reversibility and chemical equilibrium, the pH scale. Introduction to the diversity of carbon compounds.

2.121   Chemistry IA

Prerequisite: 2.111 or

	HS Exam Percentile Range Required
2 unit Science (any strands) or	31-100
4 unit Science (multistrand)	31-100

Stoichiometry and solution stoichiometry. Structure of matter, solids, liquids, gases. Thermochemistry. Equilibria and equilibrium constants, entropy changes, free energy changes, the relationship between equilibrium and standard free energy changes. Ideal solutions, colligative properties. Equilibrium in electrolyte solutions, acid-base equilibria, solubility equilibria and redox equilibria. The rate of a chemical change and chemical kinetics.

2.131   Chemistry IB

Prerequisite: 2.111 or 2.121.

Relative stability of oxidation states. Electronic structure of atoms in terms of the quantum mechanical model. Structure of the Periodic Table and its relationship to electronic configuration. Chemical bonding, hybridization. Properties of compounds of selected elements, acid-base character of oxides and hydroxy compounds. Chemistry of carbon compounds, stereoisomerism, reactions of aliphatic and aromatic hydrocarbons, alcohols, phenols, ethers, alkyl halides, aldehydes, ketones, carboxylic acids and their derivatives, esters, acyl halides, anhydrides, amides, amines.

Chemistry II

Three units chosen from 2.002A, 2.002B, 2.002D, 2.042C.

2.002A   Physical Chemistry

Prerequisites: 2.121 and 10.011 or 10.001 or 10.021.

Thermodynamics: first, second and third laws of thermodynamics; statistical mechanical treatment of thermodynamic properties; applications of thermodynamics: chemical equilibria, phase equilibria, solutions of non-electrolytes and electrolytes, electrochemical cells.

Kinetics: order and molecularity; effect of temperature on reaction rates; elementary reaction rate theory.

Surface chemistry and colloids: adsorption, properties of dispersions; macromolecules and association colloids.

2.002D   Analytical Chemistry

Prerequisites: 2.121, 2.131 and 10.001, 10.011 or 10.021.

Chemical equilibria in analytical chemistry. Acid-base, complex formation, redox systems, solid/solution, and liquid/liquid equilibria with applications to volumetric, gravimetric and complexometric analysis, and to liquid/liquid extractions. Spectrophotometry, basic principles. Chromophores. Fundamentals of precision. Electrochemistry, theory and applications to electrodeposition and potentiometry; ion selective electrodes. Radioactive tracer techniques. Data evaluation in analytical chemistry. Qualitative analysis.

‡These units alternate each year. 43.112 will be given in 1978.

2.002B   Organic Chemistry

Prerequisite: 2.131.

Chemistry of the more important functional groups; aliphatic hydrocarbons, monocyclic aromatic hydrocarbons, halides, alcohols, phenols, aldehydes, ketones, ethers, carboxylic acids and their derivatives, nitro compounds, amines and sulphonic acids.

2.042C   Inorganic Chemistry

Prerequisites: 2.121 and 2.131.

Chemistry of the non-metals including B, C, Si, N, P, S, Se, Te, halogens, and noble gases. Chemistry of the metals of groups IA, IIA, and Al. Typical ionic, giant-molecule and close-packed structures. Transition metal chemistry, including variable oxidation states, paramagnetism, Werner's theory, isomerism of six- and four-coordinate complexes, chelation, stabilization of valency states. Physical methods of molecular structure determination. Chemistry of Fe, Co, Ni, Cu, Ag, Au.

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Computer Science

Undergraduate Study

These subjects are provided by the Department of Computer Science within the School of Electrical Engineering.

6.600   Introduction to Computers

Excluded: 6.620, 6.601A.

For students who wish to take only a single subject in computing. *Introduction to programming:* design and correctness of algorithms and data structures; programming in a higher level algorithmic language which provides simple, high level program control and data structuring facilities. *Using computers:* introduction to computing machinery, operating systems, command languages, and use of computer terminals. *Applications:* introduction to some of the application packages that are generally available on computing systems eg inquiry, statistics, linear programming and text formatting packages.

6.646   Computer Applications   S1 L3T2

Prerequisites: 6.620 or 6.600(Cr). Excluded: 6.602C.

The use of computers for solving problems with a substantial mathematical and operational research content: includes use of some standard software packages. Topics selected from:

discrete event simulation; the SIMULA programming language; pseudo random number generation; simple queueing theory; applications of mathematical programming; statistical calculations; critical path methods; computer graphics.

6.620   Introduction to Computing Science

Prerequisite: 10.001. Excluded: 6.600, 6.601A, 6.021D.

An introduction to computing science for those students who intend to take more than one subject in this area. *Introduction to programming:* design and correctness of algorithms and data structures; programming in a high level algorithmic language which provides simple, high level program control and data structuring facilities. Introduction to dynamic data structures. *Introduction to computer organization:* simple machine architecture. Introduction to operating systems and computing machinery.

Drama*

Undergraduate Study

Drama courses offered within the Faculty of Arts are not primarily intended to equip a student for the profession of theatre. The National Institute of Dramatic Art, established in the University, is concerned with vocational training. The School of Drama is concerned with the history and evaluation of the theatre arts. Practical work is undertaken in the School, not in order that students may achieve proficiency as actors or directors, but in order that they may acquire a fuller understanding of the theatre.

Level I units

57.121   Introduction to the Theatre   S1 L3T2

An introduction to drama as a performance art with reference to the nature of dramatic dialogue, stage forms, the relationship between actor and audience and the production process. Lectures deal with film as a medium and with music in the theatre. Tutorials concentrate on an examination of the theatrical aspects of the texts studied. Students study several one-act plays, a major realist and non-realist dramatic work and a number of exercises to be provided by the School.

*Prerequisites and co-requisites may be waived in exceptional circumstances and at the discretion of the School.

57.122   Modern Theatre   S2 L3T2

Prerequisite: 57.121.

Theatrical developments in the twentieth century. Contemporary trends in drama, theatre and television. Tutorials concentrate on the theatrical aspects of the plays studied.

Upper Level units

57.123   The Play in Performance I   S1 L2T2

Prerequisite: 57.102.

The visual and physical language of the theatre within the context of four major periods of theatrical development: the Greek, Roman, Mediaeval and Elizabethan. Intensive study of select plays together with their artistic, philosophical and social background.

57.124   The Play in Performance II   S2 L2T2

Prerequisite: 57.123.

A continuation of 57.123: studies in European classic theatre of the seventeenth and eighteenth centuries and in popular theatrical forms of the nineteenth century.

57.146   Theatre Arts in Education   S1

Prerequisite: 57.502.

A study of the theatre arts in education, fundamentals of oral interpretation of text and stage design. Study of developments in Children's Theatre, the Reader's Theatre and Theatre-in-Education movements.

57.125   Form and Idea in Drama, 1900–1950*   S1

Prerequisite: 57.103.

Evolution of content and form of plays selected from the first half of the century. Ideas of reality and the philosophy of existentialism as they appear in drama and as the basic concepts of 'a poetry of the theatre'. Shaw, Ibsen, Strindberg, Pirandello, Camus, Sartre, Lorca, O'Casey, Synge, Yeats, Eliot, Frisch and Lowell.

57.135   Film One   S2

Prerequisite: 57.103.

Films by selected directors are studied with special reference to the history of film and the development of style and film language in the cinema from 1896 to the present.

57.501   Elizabethan and Jacobean Theatre
and Drama   S2

Prerequisite: 57.103.

Performance conditions and dramatic forms in the English theatre during the later sixteenth and early seventeenth centuries.

57.506   Drama and Theatre in Germany   S2

Prerequisite: 57.103.

Drama and theatre in Germany, with special emphasis on the eighteenth century.

57.145   Australian Drama and Theatre   S1

Prerequisite: 57.103.

Representative Australian drama from the late nineteenth century to the present, with special emphasis on the theatrical context. Contemporary theatrical forms and their accessibility to Australian dramatists.

57.155   Radio Drama   S1

Prerequisite: 57.103.

The technique of radio drama and its relevance to the theatre and to literature.

May not be offered in 1979.

57.136   Film 2   S1

Prerequisite: 57.135.

A number of feature films are examined in depth. Stress is on the study of filmed plays and the problem of adaptation of either plays or novels. Practical exercises.

57.126   Form and Idea in Drama from 1950*   S2

Prerequisite: 57.125.

Representative works of recent years and their theoretical background. The theatrical ideas of such theorists as Appia, Craig, the German Expressionists, Meyerhold, Barrault, Artaud, and Peter Brook. The plays to be considered are chosen according to the individual interests of the students.

57.502   The Uses of Drama   S2

Prerequisite: 57.103.

Drama as a communicative and creative process and its implications for teaching; introduction to psycho- and socio-drama concepts. Tutorial work in simulation, games and role-taking.

57.503   Drama in Teaching*   S2

Prerequisite: 57.146.

A practically-oriented course on improvisational drama in education, with small teams of students undertaking supervised workshop sessions in schools. Seminars and demonstration classes are conducted.

57.156   Classical French Theatre   S1

Prerequisite: 57.103.

The dramatic theory, practice and stage conventions of tragedy and comedy in seventeenth century France, with special reference to the plays of Corneille, Racine and Moliere.

*May not be offered in 1979.

57.137   Film 3   S2
Prerequisite: 57.136.

After Film 1, an historical survey, and Film 2, a study of selected directors and genres, Film 3 will be devoted to the in-depth study of a number of film theories. The validity and usefulness of some of these theories shall be checked against a number of selected films.

57.507   Contemporary Theatre   S2
Prerequisite: 57.103.

An investigation of contemporary theatre utilizing dramatic scripts and documents of the last ten years. Students are expected to make extensive use of such theatre journals as *The Drama Review, Plays and Players, Theatre Quarterly* and *Gambit.* Also students work with unpublished material by Australian and overseas authors.

May not be offered in 1979.

57.150   Puppetry   S2
Prerequisite: 57.103.

A history of puppet forms, traditions and texts in the European theatre from mediaeval times to the present, with special studies of the conventions and techniques of the Japanese, Chinese and Indonesian puppet theatres and their traditional plays.

Advanced Level units

Following a semester course of study in the critical assessment of the dramatic text and its performance, a series of three semester courses is devoted to the close examination of dramatic texts in terms of their style, their structure, and their appropriate theatre form. A co-requisite of the last two of these semester courses (which are offered as a double unit) is a double unit course in dramatic construction. All Advanced Level courses require participation in experiments directed to problems of dramatic style.

57.531   Dramatic Criticism I   S1
Qualification for entry is determined by the School but minimum prerequisite is 57.102 at Credit level or better.

This subject includes 57.123 plus: The principles, problems and history of dramatic criticism, with attention to Shakespearean criticism and to the development of theatre criticism in the 19th and 20th centuries.

57.532   Stage, Style and Structure 1:
        Aspects of Classicism   S2
Prerequisite: 57.531.

This subject includes 57.124.

In 1979 studies are offered in Greek theatre and Aristotelian theory; the French neo-classic theatre; neo-classic theory and the well-made play.

57.533   Stage, Style and Structure 2   F
Prerequisite: 57.532. Co-requisite: 57.534.

Students enrolling in this subject must also include 1 Upper Level unit in each session other than 57.103.

Aspects of Realism
In 1979 studies are offered in German and English bourgeois domestic drama; Russian theatre from Turgenev to Gorky; the American realist cinema of the 1930's.

Aspects of Romanticism
In 1979 studies are offered in Gothic drama; symbolism and expressionism in the theatre and cinema.

57.534   Dramatic Construction   F
Prerequisite: 57.532. Co-requisite: 57.533.

Students enrolling in this subject must also include 1 Upper Level unit in each session other than 57.103.

A study of the elements of playwriting.

Honours Level unit

57.526   Drama Honours   F
Prerequisites: 57.533 and 57.534.

Studies in contemporary film and theatre, including the Australian theatre, are undertaken and students are required to write a thesis on a topic largely of their own choice.

Economic History

Undergraduate Study

Level I units

15.701   Economic History IA (Arts)—
        European Economy and Society to 1800

The economic development of medieval Europe, the interaction of population growth, migration, agriculture expansion, technology, industry and trade. Demographic crisis and the consequences of a declining population in the later Middle Ages. The expansion of Europe 1500-1700 with reference to

the relative decline of the Mediterranean and Eastern Europe and the emergence of an Atlantic economy; discoveries, colonization and overseas trade; agrarian change and the emergence of mercantile capitalism.

15.711 Economic History IB (Arts)— European Industrialization in a Nationalistic Framework

Prerequisite: 15.701.

Agrarian change and industrial growth; the industrial revolution in Britain and Belgium; the paradox of French development; the unification and rise of Imperial Germany; the modernization of Tsarist Russia; Europe's less developed economies and mass emigration; European imperialism and the origins of the First World War.

15.601 Economic History IA—The Making of Modern Economic Society

The forces that have determined the pattern and course of economic development in the twentieth century. The historical background to the contemporary economic world. A basic scheme is provided as the framework within which a variety of material is analysed, and such major economies as Japan, America and Britain are considered in some detail. The economic history of Australia and its present position in the world economy is treated as an important part of the framework, as is the relationship between successful development and the process of underdevelopment. Students are expected to use a variety of material as the basis of their understanding of present day economic society.

15.611 Economic History IIB—Australian Economic Development in the Twentieth Century

Prerequisite: 15.601.

The development of the Australian economy from the Long Boom and the deep depression at the end of the nineteenth century to the present day. Topics: a general overview of Australian economic development and its main features; economic fluctuations and their consequences, especially the Great Depression of the 1930s; the rise of Australian economic institutions; changes in the philosophy of development and the role of the State; the impact of war on the Australian economy; the growth of manufacturing and the creation of an industrial base; problems of the rural sector; and changes in the Australian standard of living. Throughout the course particular attention is given to Australia's changing economic relations with other countries.

Upper Level units

In order to enrol in an Upper Level unit, a candidate must have passed any four Level I units, and completed any specific prerequisite unit or units listed.

15.622 American Economic and Social Development before the Civil War

Economic and social life in Colonial America: land, labour and capital. The impact of the American Revolution and an economic interpretation of the Constitution. The growth of

regional differences in the USA: analysis of the slave plantation economy in the South; the development of manufacturing enterprises in the North-East; and the influence of the migration West upon American growth. Other subjects include: the role of the State in stimulating economic development; innovations in transportation and in manufacturing production; and the response of the American worker to industrialization.

15.662 Economic and Social Change in the United States since the Civil War

Prerequisite: 15.622.

Agrarian protest movements; industrial concentration and combination; American business leaders in the late nineteenth century; the American standard of living prior to the First World War. Immigration and the development of unionism 1890-1950. Problems of twentieth century agriculture; the 1920's; cause of, and responses to, the Great Depression. Demographic changes since 1880; the role of the Negro in American economic life; the concept of an American 'working class'. Business interests and war; government interventionism and the American 'welfare state'.

15.692 Theories and Models in Economic History

Prerequisite: 15.711 or 15.611.

An introductory course designed to give students an outline of the main traditions of economic analysis and relationships between economic theory and economic history. Emphasis is placed on types of economic theory most suited to the study of economic change. Discussion of key macro-economic relationships is built on micro-economic foundations and concentrates upon production relations. Various approaches to the study of growth and development. Quantitative techniques for historians. Students are encouraged to relate economic theory and quantitative techniques to problems in economic history.

15.676 Australian Economic Development in the Nineteenth Century

Prerequisite: 15.011 or 15.711 or 15.611.

The basic features of the growth of the colonial economies up to Federation. Areas of special attention include: the consequences of the European conquest of the South Pacific and South-East Asia; the growth of trade, capital and labour markets, the impact of Imperial policy; the effects of the Gold Rushes and the long boom; the causes and effects of major economic fluctuations; class structure; demographic change; and regional differences. Australia's relationship with the international economy, and some longer-run consequences of growth in this period, are discussed.

15.678 Transformation of the Japanese Economy

Prerequisite: 15.011 or 15.692 and 15.601 or 15.711.

Growth and sectoral change in the Tokugawa economy; cities, handicrafts and population. The low-level equilibrium trap. Dynamics of the Meiji Restoration, government, trade, development. The interpretation of 'relative backwardness', 1880-1914. Classical models and capitalist development. The economic history of political change during the inter-war years. Capitalism and colonies. 'Economic miracle' and structural change; exports, the yen and the international economy.

15.643 British Imperialism in the Nineteenth and Twentieth Centuries

Prerequisite: 15.601 or 15.711 or 51.511.

Theories of imperialism; informal empire and the mid-nineteenth century imperialism of free trade; overseas investment, the Great Depression and the 'Scramble for Africa'; the South Africa war; the British colonial system in the twentieth century in Africa, Malaysia and the Pacific: trusteeship, paternalism and economic development; the colonial crisis of the 1930's: did colonies pay? social aspects and acculturation; the colonial economies 1945 to 1960; the struggle for independence.

15.653 Aspects of British Economic and Social Change 1740-1850

British economy and society during the industrial revolution; population growth and socio-economic change; the agricultural revolution; labour and capital supply in industrialization; industrial growth and the factory system; war and the economy, 1756-1815; social change and social movements; urbanization; the treatment of poverty; the role of the state; the standard of living question.

15.655 British Imperialism in the Seventeenth and Eighteenth Centuries

Prerequisite: 15.601 or 15.711 or 51.511.

Seventeenth century ideas about trade and colonies, the mercantilist State and imperial expansion; chartered companies; imperialism in America, the Caribbean, West Africa and the East Indies; the Atlantic economy and the economics of the slave trade; racism and imperialism; the eighteenth century colonial system; India under Company rule; British imperialism and the Industrial Revolution.

15.663 Economic Change in Modern India 1750-1950

An explanation of the elements of stagnation and areas of change in the Indian economy from 1750 to the present day. Trends in population output, national income, international trade and other economic indicators are studied. The impact of land tenure systems, economic policies and social structure on the course of economic development in India.

15.665 Economic and Social History of Modern Germany

Prerequisites: 15.711 or 15.601 or 64.501 or 64.521 or 51.511.

The development of German economy and society: the agrarian economy of the eighteenth century and the east-west division of Germany; the impact of the French Revolution and Napoleonic Wars on the agrarian and industrial structures of Germany; economy and society during the period 1815-1848, modern industrialization after 1850, agrarian change, internal migration and the rise of the labour movement, 1873-1914; the Weimar economy and the Great Depression; Nazi policy and recovery; the war economy; and post-war developments in the East and West Germany economies.

15.673 The Chinese Economy 1700-1949

A sectoral analysis of the Chinese economy, including geography, population, agriculture, industry, trade (domestic and foreign), foreign investment, and the role of the state. Three main themes: the reasons why China did not experience an 'industrial revolution' prior to the arrival of already-industrialized nations; the net impact of imperialism on China; and the relationship between these themes and the political revolution that culminated in Liberation in 1949.

15.675 Economy of China since 1949

The evolution, structure and working of the Chinese economy since 1949. Developments in the area of economic planning, agrarian organization and in the industrial sector are considered in detail. Attention is also given to the role of ideology in Chinese economic life, and the significance of China in the world economy.

15.683 The Economic History of Russia since 1861

Prerequisite: 15.011 or 15.692.

Relative and absolute 'backwardness' in Russia in 1850s. Emancipation, agriculture and industry; the growth of social differentiation. Planning under the Tsars; Witte and his economic system. Industry in the 1890s. Capitalism, class formation and the intellectuals. The revolution of 1917. Pragmatism and ideology; the period of War Communism. The problem of capital; the New Economic Policy and the economic debates of the 1920s. Solutions; collectivization, industry and planning. Invasion, war and recovery. Imperialism and international economic policy in the post-war years. Planning and the New Economics. Convergence?

15.685 Introduction to Econometric History

Prerequisites: 15.611 or 15.711.

A survey of major topics in econometric history, including 'counterfactual' economic history, the slavery debates, technological change in Britain and America, railroads and British economic growth, development models in Japanese and Chinese history, and Australian-European models of migration. A critical examination is made of the assumptions of econometric historians. Students are introduced to elementary statistical techniques and have an opportunity to use the computer.

15.695 Quantitative Methods in Historical Analysis

The course introduces students to the statistical concepts and methods most frequently encountered in economic and social history. The aim is two-fold: (a) to illustrate the application of basic statistical techniques to historical problems, and (b) to aid critical analysis of the quantitative data encountered in history texts.

15.703 The Origins of Modern Economics

The development of classical economic thought from its scholastic origins to the writings of John Stuart Mill. Contributions to economic analysis, and policy of David Hume, Adam Smith, Quesnay, Ricardo, Malthus, Senior and Mill. Impact of classical economies on later developments in economic thinking as well as on the economic policy of some countries.

15.713 Economic Thought from Karl Marx to John Maynard Keynes

Prerequisite: 15.703 or 15.011 or 15.692.

Economic thought from Marx to Keynes. Emphasis is placed on the main personalities, the intellectual and social climate of the period, and the lasting impact of the work of Marx, Jevons, Walras, Menger, Wieser, Bohm Bawerk, Pareto, Marshall, Wicksell, Pigou and Keynes on the future development of the discipline.

15.753 Science, Society and Economic Development

The rise of modern science and its relationship to other cultural movements; the growth of applied science after 1700; science and technology in the Industrial Revolution; industrial research; analysis of models designed to link science and education with modern economic development. Students are expected to participate in detailed case studies.

Advanced Level units

In order to enrol in an Advanced Level unit, a candidate must have passed four Level I Arts units, including at least one at Credit Level or better, in addition to completing any specific prerequisite unit or units listed.

15.632 American Economic Development before the Civil War

As for 15.622, with additional work.

15.672 Economic Change in the United States since the Civil War

Prerequisite: 15.632.

As for 15.662 with additional work.

15.677 Australian Economic Development in the Nineteenth Century

Prerequisite: 15.011 or 15.711 or 15.611.

As for 15.676, with additional work.

15.679 Transformation of the Japanese Economy

Prerequisites: 15.011 or 15.692 and 15.601 or 15.711.

As for 15.678, with additional work.

15.743 The Economic History of Urbanization

Studies in the main, the growth of cities during the last two centuries in Britain, North America and Australia. Economic, social and institutional structures; networks and interrelations between urban centres; capital and labour; residential patterns and mobility; political control. Theories of metropolis with particular reference to London, Chicago and Melbourne.

15.745 Government and Economy in the Twentieth Century

The range, costs and benefits of government activities in the modern state, with special reference to the working of Federation in Australia.

Honours Level units

In order to enrol in an Honours Level unit, a candidate must have completed **1.** at least two Advanced Level units at credit level or better in economic history, and **2.** either 15.011 or 15.692.

A student who has passed 15.011 may only enrol in 15.892 with permission from the Head of the Department of Economic History.

15.704 and 15.714 Economic History IV A + IV B (Arts) (double unit)

1. Special Subject—British Economy and Society 1870-1940

Source material. The Balance of Payment Accounts. Capital Account items. Changes in the composition and direction of overseas trade. Foreign investment. Overseas development and fluctuations. Terms of trade. Migration. The Gold Standard and sources of disequilibria.

Source material. An aggregate analysis of short- and long-term economic trends. The demographic transition. Technological change. Capital accumulation and investment. Entrepreneurs. Labour force. Studies of particular industries; agriculture; coal; steel; cotton textiles and the 'new industries'. Class structure, and the standard of living question.

†2. Approaches to Economics and Social History

The perspectives, themes and tools involved in the study of modern economic and social history. Shows that the historian concentrates upon particular problems and methods of analysis which define the subject of history as a discipline in its own right. One function of the course is to provide a degree of unity to the varied knowledge gained by students in other economic history courses; another is to allow students to come to grips with important problems of a general nature.

3. Seminar in Research Methods

4. Thesis

Honours students in their final year are required to prepare a thesis of not more than 20,000 words which must be submitted before the final examinations in November. The thesis topic must be approved by the Head of the Department of Economic History before the end of the August recess in the year preceding the candidate's entry into the 7th and 8th sessions of study.

†A candidate may be allowed by the Head of the Department of Economic History to substitute an Upper or Advanced Level Unit in place of this subject.

Economics

Undergraduate Study

Level I units

15.001   Economics IA

Microeconomic analysis as related to some aspects of the Australian economy, including the concept of market demand, the theory of costs and production, supply and demand analysis, the determination of exchange rates, the effects of taxes, tariffs, subsidies and quotas, price and output determination under competitive and other market structures, an introduction to distribution theory and the application of economic analysis to contemporary problems.

15.011   Economics IB

Prerequisite: 15.001.

Macroeconomic analysis as related to some aspects of the Australian economy, including national income and product, money and banking, consumption, investment, liquidity preference, the Keynesian model of income determination and economic growth.

15.411   Quantitative Methods A

Prerequisite: HSC 2 unit Mathematics. Co-requisite: 15.001.

Matrix Algebra: Matrices in economics, operations with matrices; matrix inverse; determinants and solutions of linear equations.

Calculus: Sets; functions and relations; the concept of a limit and continuity; the derivative of a function; tangents; maxima and minima; technique of integration; area and definite integral.

Applications of the above concepts and methods in accountancy and economics is emphasized.

15.421   Quantitative Methods B

Prerequisite: 15.411. Co-requisite: 15.011.

Frequency distributions, measures of central tendency, dispersion and skewness, introduction to probability theory, the binomial distribution, the normal distribution, estimation of population parameters and confidence intervals, hypothesis tests, the t distribution.

Upper Level units

In order to enrol in an Upper Level unit, a candidate must have passed any four Level I Arts units, and completed any specific prerequisite unit or units listed.

15.062   Economics IID

Prerequisite: 15.011.

Unemployment and inflation; goals of macroeconomic policy; introduction to monetary, fiscal and incomes policies; money, credit and financial institutions; monetary policy in Australia; theory of fiscal policy; fiscal policy in Australia; and Commonwealth-State financial relations.

15.072   Economics IIE

Prerequisite: 15.011.

The application of microeconomic theory to consumption, production, market structures, welfare and international trade.

15.263   Economics IIID

Prerequisite: 15.062 or 15.012.

Economics IIID consists of any two of the following session units:

15.043   The Soviet Economy

Not offered in 1979.

How basic economic problems are solved in the contemporary Soviet economy within a socialist institutional framework. The emphasis is on analysis of the actual operation of the Soviet economy and on an assessment of the extent to which and the efficiency with which it meets its own posited goals. For comparative, illustrative and analytical purposes reference is also made to other East European socialist countries, including Yugoslavia.

15.082   Labour Economics

The theory of the labour market and applications to the Australian situation, including labour supply and demand, with emphasis on structural changes in the labour force and the effects of technology and migration; work-leisure preferences and job satisfaction; unemployment and underemployment; wage theory and practice, with reference to market forces, collective bargaining and government regulation; the Australian arbitration system, and its inter-action with other wage determinants; wage differentials.

15.092   The Political Economy of Contemporary Capitalism

The main features of modern capitalism and an appraisal of the applicability of orthodox economic theory to the explanation of these characteristics. A survey of the various critiques of modern capitalism, including institutionalist, Marxist and neo-Marxist analyses. Reference will be made to features of Australian capitalism and their origins and explanations.

15.123   Regional and Urban Economics

The theory of urban and regional economics and its policy implications. Topics: regional income and growth, location theory, urban land values and structure, urban growth, the economics of city size, urban transportation and fiscal problems.

15.163   Industrial Organization and Policy

An analysis of the structure of industry; inter-relationships between the role of the business firm and industrial structure; multi-national corporations; factors affecting size-structure and performance such as economies of scale; barriers to entry, vertical integration, diversification and mergers, patents, the development and transmission of technology; industrial policy in Australia with special reference to competition policy, foreign investment and mergers, and some specific industry policies (such as on motor vehicles, electronics, steel, petroleum).

15.203   Japanese Economic Policy

The postwar Japanese economy and economic policy, including an analysis of the postwar economy in historical perspective; Japanese long-term economic planning, and the nature of principal economic policies such as agricultural, industrial, monetary and fiscal.

15.273   Economics IIIE

Prerequisite: 15.072 plus HSC 2 unit mathematics or equivalent mathematical knowledge.

Consists of a core unit, 15.103 International Economics, and one of Public Finance, Economic Development or Japanese International Economic Relations.

15.103   International Economics

Basic theory and empirical evidence relating to international trade and investment tariffs and other impediments to trade, the balance of international payments, exchange rates and international monetary problems. Long-term and more recent developments in international trade and the effects of regional trading arrangements. Australian policies in the light of developments in the world economy.

15.053   Economic Development

The gap between the welfare of the rich and the poor nations. Earlier theories of development as a basis for an appreciation of the various economic and non-economic theories of under-development, such as social and technological dualism, balanced and unbalanced growth, structural change and development. The general principles and techniques of development planning and their application in particular countries.

15.083   Public Finance

General aspects of public sector expenditure and its financing with special reference to Australia, including the role of government in the economy; principles and types of public expenditure; tax sharing and revenue systems; economic and welfare aspects of different types of taxes and social service systems; inflation and tax indexation; loan finance and the public debt; fiscal policy, the Budget and the economy.

15.213   Japanese International Economic Relations

Japan's international trade, investment and balance of payments policies. Present and anticipated problems relating to external economic policies, including alternative strategies for international economic relations.

15.412   Quantitative Economic Techniques A

Prerequisite: 15.421 or 10.001.

The nature, purpose and construction of index numbers. Simple and multiple regression analysis with applications in economics. Breakdown of the classical assumptions and introduction to specification errors.

15.422   Quantitative Economic Techniques B

Prerequisite: 15.412.

Input-output analysis and linear programming, optimization methods, and dynamic economic models, with applications.

Applied aspects of econometric methods using cross-section and time series data. Applications are in the areas of consumption, demand, investment and production.

Introduction to simultaneous equations and simple macroeconometric models.

15.467   Measurement of Income Inequality

Prerequisite: 15.422.

Provides a systematic treatment of the conceptual framework as well as practical problems of measurement of income inequality and poverty. Emphasis on the use of Australian income data. Knowledge of mathematics and statistics beyond the second year university level is not required. Topics: well-known income distribution functions; the Lorenz curve and its properties; welfare implications of inequality measures; measurement of intensity of poverty; use of Lorenz curve analysis in problems of direct and indirect taxation and Government expenditure; international comparison of poverty and inequality.

Advanced Level units

In order to enrol in an Advanced Level unit, a candidate must have passed four Level I Arts units, including at least one at Credit Level or better, in addition to completing any specific prerequisites unit or units listed.

15.012   Economics IIA

Prerequisite: Credit in 15.011 or the consent of the Head of Department.

Microeconomic theory, including consumer theory, production theory, types of competition, market stability and international trade.

15.032   Economics IIB

Prerequisite: Credit in 15.012 or consent of the Head of Department.

General equilibrium theory and welfare economics.

15.052   Economics IIC

Prerequisite: Credit in 15.011 or consent of the Head of Department.

Extensions to the Keynesian model of income determination to include the government and overseas sectors and a more detailed examination of both demand and supply functions; money and financial institutions; an introduction to dynamic economics.

15.013   Economics IIIA

Prerequisite: Credit or better in 15.052 or consent of the Head of the Department.

Macroeconomic theory and policy, including an introduction to the theory of economic policy, the structure and dynamic characteristics of macro-models, recent developments in monetary theory and policy, theories of inflation and policy in a dynamic setting. The theory of economic growth.

15.033   Economics IIIB

Prerequisite: Credit in 15.013 and 15.032 or consent of the Head of Department.

International trade and investment, tariffs and other restrictions, the balance of payments, external balance, the international monetary system.

15.173   Research Methods and Methodology

Prerequisite: 15.013. For students planning to take Economics Honours.

The nature of scientific method, the scope of economics and its relation to other social sciences and ethics. Theory construction and validation in economics. Strengths and limitations of econometrics in the specification and validation of economic hypotheses. Computer programming for economic research. FORTRAN syntax and programming style with applications in economics. Bibliographic methods and literature overview.

Honours Level units

15.044   Economic Honours (Arts)

15.054   Economic Honours (Arts)

Prerequisites: 15.012, 15.032, 15.052, 15.013, 15.033, 15.173, all Credit.

These two units are a double unit, consisting of advanced topics in macroeconomics including monetary economics and international economics as well as advance topics in microeconomics including welfare economics and a thesis. Students enrolled in this double unit are required to attend regular seminars in Session 2 at which each student will present a seminar on the topic of his thesis.

Note: Students are expected to do a substantial amount of work on their thesis before the commencement of the academic year. They must have a topic approved by the Head of the School of Economics before the end of the August Recess in the year *preceding* their entry into Economics IV.

English

Undergraduate Study

English is not a compulsory subject within the Faculty of Arts: the courses are therefore planned for students who have both a genuine interest in the subject and some special ability in it, including an ability to write English without obvious error. The prerequisite is 2 unit or 3 unit English (grade 1, 2 or 3) in the Higher School Certificate Examination Percentile Range 31-100, or an equivalent acceptable to the University.

Students who wish to take an Honours degree in English are strongly advised to include in their program courses in a foreign language.

A major sequence in English is 50.511 English IA *or* 50.521 English IB; 50.512 English IIA; 50.513 English IIIA. Honours students, however, are required in their second and third years to follow the sequence 50.532 English IIC; 50.513 English IIIA *and* 50.523 English IIIB. Pass students may, in addition, take 50.522 English IIB; and pass students not proceeding to IIIA may take 50.522 English IIB instead of IIA.

It will be assumed that all students before beginning the course have read a standard history of English literature and are familiar with the main outlines of English history and with the terminology of traditional English grammar (as used in, for example, J. R. Bernard, *A Short Guide to Traditional Grammar,* Sydney University Press, 1975); and the right is reserved to examine on these.

Each prescribed text must be read *before* the lectures on it are given. In each part of the English I lecture courses, the texts will be taken in roughly chronological order.

Level I units

English I

Students take *either* English IA, 50.511, *or* English IB, 50.521. Both include introductory study of language. The B course is strongly recommended to students whose reading at school has been mainly confined to modern literature.

50.511   English IA   F

The course consists of
(i) an introduction to twentieth-century literature through the study of selected plays, novels and poems; 2 lectures and one tutorial a week;
(ii) language and earlier literature; 1 lecture and one optional tutorial a week.

Textbooks
(i) Twentieth-Century Literature

(a) *Drama*

Shaw. *Saint Joan.*

Synge. Plays to be selected from *Plays, Poems and Prose* (Everyman).

O'Neill. *The Emperor Jones.*

Eliot. *Murder in the Cathedral.*

Miller. *The Crucible.*

Beckett. *Endgame.*

Pinter. *Old Times.*

(All these in any unabbreviated edition, except where specified otherwise.)

(b) *The Novel*

Conrad. *Heart of Darkness.*

Joyce. *A Portrait of the Artist as a Young Man.*

Lawrence, D. H. *Women in Love.*

Faulkner. *Absalom, Absalom!*

White. *Voss.*

Bellow. *Mr Sammler's Planet.*

(Each of these in any unabbreviated edition.)

(c) *Poetry*

Yeats. *Selected Poetry*, ed. A. N. Jeffares, Macmillan.

Eliot. *Selected Poems.* Faber.

Frost. *Selected Poems.* Penguin.

Lowell. *Selected Poems.* Faber.

and an Australian poet to be selected.

(ii) Language and Earlier Literature

Fromkin, Victoria and Rodman, R. *An Introduction to Language.* Holt, Rinehart & Winston, 1978.

Chaucer. *A Chaucer Reader* ed. C. W. Dunn. Harcourt Brace.

50.521   English IB   F

The course consists of:

(i) the study of texts representing the principal kinds, and development, in English literature of (a) drama, (b) the novel, (c) poetry; 2 lectures and one tutorial a week;

(ii) language and earlier literature; 1 lecture and one optional tutorial a week.

Textbooks

(i) Literature

(a) *Drama*

— *Everyman*, ed. A. C. Cawley. Manchester U.P.

Marlowe. *Dr. Faustus.*

Shakespeare. *Macbeth.*

Massinger. *A New Way to Pay Old Debts.*

Sheridan. *The School for Scandal.*

Shaw. *Man and Superman.*

Stoppard. *Jumpers.*

Albee. *Who's Afraid of Virginia Woolf?*

(Each of these in any unabbreviated edition except as specified.)

(b) *The Novel*

Defoe. *Roxana.*

Smollett. *Humphry Clinker.*

Thackeray. *Vanity Fair.*

James. *What Maisie Knew.*

Conrad. *Nostromo.*

Faulkner. *The Sound and the Fury.*

(Each of these in any unabbreviated edition.)

(c) *Poetry*

Hayward, J. ed. *The Penguin Book of English Verse.*

(ii) Language and Earlier Literature.

Fromkin, Victoria and Rodman, R. *An Introduction to Language.* Holt, Rinehart & Winston, 1978.

Chaucer. *A Chaucer Reader* ed. C. W. Dunn. Harcourt Brace.

Upper Level units

50.512   English IIA   F L3T1

Prerequisite: 50.511 English IA or 50.521 English IB.

The course deals with nineteenth-century literature in English, together with Shakespeare's "Histories".

Background Reading

Houghton, W. E. *The Victorian Frame of Mind.* Yale.

Prose

Jane Austen, Dickens, Emily Bronte, Thoreau, Melville, George Eliot, James.

Poetry

Blake, Wordsworth, Coleridge, Byron, Keats, Whitman, Tennyson, Browning, Hopkins.

Drama

Wilde, and selected plays by the major poets.

50.522   English IIB   F L3T1

Prerequisite: 50.511 English IA or 50.521 English IB.

The course consists of:

(i) a further study of language;

(ii) a study of Middle English literature based principally on Chaucer, the miracle plays, and selected romances.

50.513   English IIIA   F L3T1

Prerequisite: 50.512 English IIA or 50.532 English IIC.

The course deals with the poetry of Milton and Dryden and eighteenth-century literature, together with Shakespeare's Tragedies.

The following authors are studied:

Milton; Dryden; Pope; Gay; Swift; Defoe, Richardson, Fielding, Smollett, Sterne, Goldsmith; Johnson and Boswell; together with selected plays by Vanbrugh, Farquhar, Goldsmith and Sheridan.

Advanced Level units

50.532   English IIC   F L5T1

Prerequisite: 50.511 English IA or 50.521 English IB, at Credit Level or better.

This course must be taken by students wishing to proceed to an Honours degree in English.

The course consists of:

(i) the work set down for 50.512 English IIA;

(ii) an introduction to Old and Middle English Language and Literature;

(iii) twentieth-century American Literature.

50.523   English IIIB   F L5

Prerequisite: 50.532 English IIC at Credit Level or better. Co-requisite: 50.513 English IIIA.

This course must be taken by students wishing to proceed to an Honours degree in English.

The course consists of:

(i) a study of Elizabethan literature, covering the following:
Lyly, Peele, Kyd, Marlowe, Greene; Shakespeare (early plays, Comedies and "Problem Plays"); the poetry of Wyatt, Sidney, Spenser, Shakespeare and Ralegh; and prose, with special reference to Gascoigne, Sidney, Lyly, Lodge, Nashe and Deloney.

(ii) Old and Middle English literature.

Honours Level units

Students take *either* 50.514 (IVA) *or* 50.524 (IVB).

50.514   English IVA   F L6

Prerequisites: Both 50.513 English IIIA and 50.523 English IIIB at Credit Level or better.

The course deals with:

(i) seventeenth-century English literature;

(ii) the materials and methods of literary scholarship.

(i) (a) *Drama*

Selected plays by Jonson, Chapman, Marston, Tourneur, Webster, Middleton, Beaumont and Fletcher; Shakespeare ("Romances" and *Henry VIII*); Massinger, Ford, Shirley; Dryden, Otway, Etherege, Wycherley, Congreve.

(b) *Poetry*

Jonson, Donne, Herbert, Vaughan, Crashaw, Traherne; Herrick and the Cavaliers; Milton; Marvell; Butler; Rochester.

(c) *Prose*

Selected prose by Bacon, Donne, Burton, Milton, Browne, Bunyan, Walton, Pepys and Evelyn; and selected works of prose-fiction.

50.524   English IVB   F L6

Prerequisites: Both 50.513 English IIIA and 50.523 English IIIB at Credit Level or better.

The course consists of:

(i) an advanced study of Old and Middle English literature;

(ii) linguistics.

Graduate Study

50.501G   Linguistic History and Theory*

For graduates who have satisfactorily completed some course-work, at the undergraduate level, in the history of English and in phonetic and grammatical theory.

Part I History

A diachronic survey of the earlier forms of the language, based largely on texts drawn from Old, Middle and Early Modern English literature: the structure of English at each successive linguistic period; major developments in lexis, phonology, accidence and syntax; changing methods of linguistic analysis.

Part II Theory

A synchronic account of contemporary English: a structural analysis of the language on various levels, from the phonetic to the semantic; and main types of linguistic theory of the last few decades (a survey of linguistic theory from Ferdinand de Saussure to the Transformationalists in America and the Firth "School" in Britain).

50.502G   Australian Literature—Nineteenth Century

A study of fiction and poetry, centred on the following authors: Tucker, Kingsley, Clarke, Boldrewood, Furphy, Lawson, Harpur, Kendall, Gordon, Paterson, Brennan, O'Dowd.

50.503G   Mediaeval English Literature

A study of Mediaeval English Literature, especially verse and prose of the fourteenth century. The course will pay attention to the development of such literary forms as the lyric, the romance and the drama, to the conventions of dream literature and to the currents of thought exemplified by the fourteenth-century mystics.

Students' reading will be so directed as to emphasize the achievements of the major writers such as Chaucer and Langland.

50.504G   Major Australian Writers of the Twentieth Century*

A detailed study of some of the most important Australian writing of the first half of the twentieth century, centred on the works of Henry Handel Richardson, Martin Boyd, Christina Stead, Patrick White, Hal Porter, Kenneth Slessor, R. D. FitzGerald, Judith Wright, Douglas Stewart, A. D. Hope and James McAuley.

50.505G   English Fiction of the Later Nineteenth and Earlier Twentieth Centuries

A study of the theory of the novel and chosen novels in the period 1875-1925.

The following novels are among those studied: Meredith, *The Egoist*; Hardy, *Far From the Madding Crowd*; James, *The Awkward Age, What Maisie Knew, The Golden Bowl*; Butler, *Erewhon, The Way of All Flesh*; Moore, *Esther Waters, The Brook Kerith, Héloïse and Abelard*; Conrad, *Nostromo, Under Western Eyes*.

*Probably not available in 1979.

50.506G English Literature of the Earlier Seventeeth Century

A study of Drama (tragedies by Jonson, Heywood, Chapman, Webster, Tourneur, Middleton, Beaumont and Fletcher, Ford); Poetry (Donne's "Divine Poems", Herbert, Vaughan, and Milton's *Paradise Regained*); and Prose (Donne [selected Sermons], Milton [selected tracts], Browne [*Religio Medici*], Bunyan [*Grace Abounding*]).

50.507G Shakespeare

A critical study of some twelve or fifteen plays, including many not often found in undergraduate pass courses (e.g. *Titus Andronicus*, early comedies, *King John, All's Well, Troilus and Cressida, Timon of Athens, Coriolanus, Cymbeline, and Henry VIII*) together with a brief survey of the state of Shakespeare scholarship today (Shakespeare's life and times; the canon; schools of criticism; and, particularly, the problems of establishing the text).

50.508G The Classical Background of English Literature*

A study of chosen classical authors in translation, including Greek and Roman drama; Greek and Roman Poetry; ancient literary criticism, and theories of rhetoric and prose style.

socio-political history of a given period. Most classes are of the seminar or tutorial type, and formal examinations are replaced wherever possible by continuous assessment. A system of electives makes it possible for students from second year onwards to choose the areas in which they wish to specialize.

The emphasis in the teaching of the language is on helping students to acquire a command of everyday modern French, and French is the language mainly used in all courses. An attempt is made to integrate the various linguistic skills of understanding, speaking, reading and writing through correlated programs involving the use of audio-visual aids, oral practice in tutorials and in the language laboratory, and later in discussion groups on issues of contemporary interest, as well as a wide variety of written exercises. Courses are also offered in stylistics and linguistics, both pure and applied.

In the sections of the syllabus devoted to literature, training is given from first year onwards in the techniques of literary analysis and criticism through the close study of individual texts. In later years, more general methodological questions are raised concerning the various ways in which literature may be approached.

Students' attention is drawn in all courses to the wealth of ideas to be found in French literature, and they are actively encouraged to express their opinions on the value of these ideas and their relevance to present-day problems. The French preoccupation with psychological analysis, moral, philosophical, sociological and political problems, the exploration of human relationships and fundamental questions related to the human condition receive special attention. At the same time, important literary works are studied in depth with a view to investigating purely aesthetic problems and the working of the creative imagination.

Note

The School offers one course designed mainly for students from other Schools: 56.162. The Level I units 56.501, 56.511 and 56.521 are also open to students from any School in the Faculty as well as from the other faculties.

French

Undergraduate Study

Subjects offered by the School are made up of studies in three areas: the French language; French literature and thought; French civilization and society.

Some study of each is included in all subjects, so as to give students a balanced picture of the French contribution, both past and present, to world culture. The three areas are correlated as closely as possible in each year through the simultaneous study of the language, literature, and intellectual and

Level I units

56.501   French IA—Introductory French   F 6Hpw

Excluded: This subject is not available for students qualified to enter 56.511 or 56.521.

Designed for students from the Faculty of Arts or other faculties who have *no* knowledge of French. The most recent audio-visual methods are used to give students a sound basis in spoken and written French. The subject also includes an introduction to contemporary French civilization, and a graded reading program which leads up to the study of one of the masterpieces of modern French literature 'L'Etranger' by Camus. All teaching is by tutorial groups.

Students who obtain a good pass in 56.501 may proceed to 56.502 (French IIA). After completion of 56.502, certain students may, with the permission of the School be admitted to French III courses (56.103, 56.104, 56.153, 56.154).

56.511 Contemporary French Language, F 5Hpw
Literature and Civilization

Prerequisite:

	HSC Exam Percentile Range Required
2 unit French or	31-100
3 unit French or	11-100
2 unit Z French	91-100

or equivalent qualifications (equivalence to be determined by the School of French on application). Students who studied French at high school level but who do not have any of the prerequisites mentioned above may be admitted into the B stream provided (1.) that they obtain permission of the School, (2.) that they pass the test mentioned hereunder.

Test: All students enrolling in 56.511 sit for an aptitude and attainment test to determine in which stream they pursue their studies in French in first year. This test takes place on 6 March 1979.

B stream: The B stream is designed for students who have not mastered the basic language skills and who need extra help. In Session 1, 5 hours out of 6 are devoted to an intensive study of French language with the help of audio-visual methods, language laboratory work and other practical work; the sixth hour is devoted to civilization studies. Literature is introduced in Session 2.

C stream: The C stream is designed for students who have acquired a sound knowledge of spoken and written French. In Session 1, 3 Hpw are devoted to an intensive study of language, 1 Hpw to an introduction to modern poetry, and 1 Hpw to the study of French cinema as an expression of modern francophone cultures. In Session 2, there are 3 Hpw of language studies and 2 Hpw of literature (contemporary theatre and prose fiction).

56.521 French Language F 3Hpw T

Prerequisite: As for 56.511.

For students from the Faculty of Arts (other than those taking 56.511) or from other faculties who wish to develop skills in spoken and written French.

Integrated tutorials and language laboratory sessions devoted to practical language work, and also, through the texts studied and subjects discussed, introduces students to aspects of contemporary French civilization.

Note: This is a terminating subject.

Upper Level units

56.502 French IIA—Intermediate F 6Hpw
French

Prerequisite: 56.501 and the satisfactory completion of vacation assignment; or, with the permission of the School, 56.511.

1. *Language.*

An intensive study of French language. (Session 1: 4 hours per week; Session 2: 3 hours per week).

2. *Literature and Thought.*

Session 1: French theatre and poetry from 1900. (2 hours per week).

Session 2: Modern French Fiction. (2 hours per week). Survey of French literature and thought from the 17th Century to the present time. (1 hour per week).

56.512 Enlightenment, Romanticism, F 5Hpw
Realism

Prerequisite: 56.511.

1. *Core Language Course:* Integrated grammatical, oral-aural and written work in contemporary French.

2. *Electives.*

Session 1. Any *three* of the following:

(1) Voltaire.

(2) Eighteenth Century narrative works: Montesquieu, Diderot.

(3) Social history of the 18th and 19th Centuries.

(4) Language elective.

Session 2. Any *three* of the following:

(1) The treatment of social issues in the 19th Century novel: Balzac and Zola.

(2) Romanticism.

(3) Rousseau.

(4) Language elective.

56.162 Recent Political and Sociological
Speculation by French Intellectuals S2 3Hpw

Prerequisite: Any four level one units and 2 unit French (grade 1, 2 or 3) at the Higher School Certificate (or equivalent qualifications).

For students proposing to major in other subjects who wish to study some important aspects of contemporary French thought. It does not form part of a major sequence in French, and cannot be taken instead of 56.512, although it may be taken in addition to it (or to other Upper Level units) provided the School gives its permission.

Lectures and discussions are in English, though the texts studied are in French. Assistance with reading the texts is provided in tutorial groups.

1. 'Idées actuelles.'

2. Literary views of feminist issues.

The course should be of particular interest to students of the Schools of Sociology, Political Science and Philosophy.

56.103 Modern France A S1 6Hpw

Prerequisite: 56.512 or 56.532; or with permission of the School 56.502 or 56.522.

1. *Core Language Course.*

(1) The comparative stylistics of English and French.

(2) French syntax.

(3) Oral practice discussion groups on issues of contemporary interest.

2. *Electives.*

Any *three* of the following:

(1) Language.

(2) Political theatre.

(3) Popular novel.

(4) Baudelaire.

(5) One of the options offered in 56.153.

56.104   Modern France B   S2 6Hpw

Prerequisite: 56.512 or 56.532; or with permission of the School 56.502 or 56.522.

1. *Core Language Course.*

(1) The comparative stylistics of English and French.

(2) French syntax.

(3) Oral practice discussion groups on issues of contemporary interest.

2. *Electives.*

Any *three* of the following:

(1) Surrealism.

(2) Literary views of feminist issues (not available for students taking 56.162).

(3) Socio-political aspects of France since 1870.

(4) One of the options offered in 56.154.

(5) Language.

56.153   Renaissance France   S1 6Hpw
**   3Hpw for students taking 56.103**

Prerequisite: 56.512 or 56.532; or with permission of the School 56.502 or 56.522.

1. *Language.*

The core language component of 56.103 (if this course is not being taken concurrently).

2. *Electives.*

Any *two* of the following:

(1) Montaigne.

(2) Marot, Ronsard.

(3) Renaissance Civilisation. Rabelais.

56.154   Classical France   S2 6Hpw
**   3 Hpw for students taking 56.104**

Prerequisite: 56.512 or 56.532; or with permission of the School 56.502 or 56.522.

1. *Language.*

The core language component of 56.104 (if this course is not being taken concurrently).

2. *Electives.*

Any *two* of the following:

(1) Tragedy: Corneille, Racine.

(2) Comedy: Corneille, Molière.

(3) Novel: Lafayette, Scarron, Cyrano de Bergerac.

Advanced Level units

56.522   French IIA (Advanced)   F 7Hpw

Prerequisite: A credit level pass or better in 56.501.

The course consists of 56.502 with an additional seminar on selected French Literary Masterpieces (1 hour per week).

56.532   Enlightenment, Romanticism,
**   Realism (Advanced)   F 6Hpw**

Prerequisite: A Credit Level Pass or better (or, at the discretion of the School, a good Pass) in 56.511.

As for 56.512 with an additional seminar on eighteenth and early nineteenth century novel (Session 1), and on Beaumarchais and Marivaux (Session 2).

56.163   Modern France A (Advanced)   S1 7½Hpw

Prerequisite: A Credit Level Pass or better (or, at the discretion of the School, a good Pass) in 56.532 or 56.522; or, in exceptional circumstances, 56.512 or 56.502 with special permission of the School.

The course consists of 56.103 with an additional seminar on the Maghrebian novel.

56.164   Modern France B (Advanced)   S2 7½Hpw

Prerequisite: 56.163.

The course consists of 56.104 with an additional seminar on Rimbaud.

56.173   Renaissance France (Advanced)   S1 7½Hpw
**   4½ Hpw for students taking 56.163**

Prerequisite: A Credit Level Pass or better (or, at the discretion of the School, a good Pass) in 56.532 or 56.522; or, in exceptional circumstances, 56.512 or 56.502 with special permission of the School.

The course consists of 56.153 with an additional seminar on linguistic theory and its relevance to an understanding of the French language.

56.174   Classical France (Advanced)   S2 7½Hpw
**   4½ Hpw for students taking 56.164**

Prerequisite: 56.173.

The course consists of 56.154, with an additional seminar on modern linguistic theory.

Honours Level unit

56.505   French Honours   F 8Hpw

Prerequisite: A Credit Level Pass or better in 56.163, 56.164, 56.173 and 56.174 if French is being taken alone at the Honours Level, or in any two of 56.163, 56.164, 56.173 and 56.174 if French is being taken at the Honours Level with another subject.

The course consists of the following seminars:

1. Advanced work in language (one session).

2. 18th Century controversies (one session).

3. The creative writings of J.-J. Rousseau (one session).

4. Critical methods (one session).

5. Ollier et Sarraute (one session).

6. Study of selected masterpieces (both sessions).

In addition, a short thesis must be submitted. The thesis is to be written in French on an approved subject.

Graduate Study

56.600 Thesis

1. 56.601 Linguistics and language teaching.
2. 56.602 Maghrebian Literature.
3. 56.603 Methodology of literary analysis.
4. 56.604 History of political ideas.
5. 56.605 History of French thought.
6. 56.606 Modern novel.

Geography

Undergraduate Study

Geography is the study of variations from place to place on the earth's surface arising from the spatial relationships of the phenomena which make up man's world. Particular emphasis in human geography is placed on the spatial organization of human activities, especially within urban systems.

Several units in Geography include laboratory and project work involving the use of quantitative techniques. Students need a battery-operated calculator — advice on appropriate machines may be obtained from the School Office.

Students achieving graded passes may elect to study Honours Geography at the end of second year with the approval of the Head of School. Attention is drawn to the detailed notes and specification of sequences below.

Notes

1. Students intending to study at Honours level in Geography are particularly directed to the prerequisite requirements for entry to Year 4. Such students should enrol in 27.813 in their Year 2, enabling them to attempt 27.880 in their Year 3 and thus qualify for entrance to Year 4. Students wishing to achieve a Pass Major sequence in Geography may enrol in 27.813 in either Year 2 or Year 3.

2. Normally an Advanced Level unit consists of the Upper Level unit of the same name with additional work.

With permission of the Head of School, it is possible to convert an Upper Level unit already completed to an Advanced Level unit by undertaking additional work.

3. Students not taking Honours but with a Graded Pass in 27.812 or 27.811 may be admitted to Advanced Level units with the approval of the Head of School.

4. The listed requirements for entry to Year 4 are the minimum required by the School. Attention is drawn to Rule 13. of the Rules Governing the Award of the Degree of Bachelor of Arts. If a student is likely to invoke this rule, it is advisable to substitute an additional Advanced Level unit for one Upper Level unit. See also Note 2. above.

Approved Sequences

Pass Major: Two Level I units *plus* at least four Upper Level units including 27.813.

Special Honours in Geography only*. Two level I units *plus* three Upper Level units including 27.813 *plus* three Advanced Level units including 27.880 *plus* two Honours Level units including 27.890.

Special Honours in Geography and another School*. Two Level I units *plus* two Upper Level units *plus* at least two Advanced Level units *plus* one Honours Level unit from Geography, to be selected from 27.893, 27.894 or 27.895, and such additional work as shall be required by the Head of the School.

Level I units

27.801   Introduction to Physical Geography S1 L2T2½
Prerequisite: None.

The mechanism of the physical environment, with particular reference to Australia and to the Sydney region. Geologic controls of landform development; fluvial, slope and coastal processes and their landforms; cyclic and equilibrium approaches to landform studies. Global energy and atmospheric circulation; weather and climate in Australia and the Sydney region. The hydrologic cycle; processes and factors of soil formation and soil profile development. The ecosystem; controls of vegetation in the Sydney region.

Laboratory classes include the study and use of topographic maps, geological maps, and air photographs; the use of climatic data and the weather map; soil description; basic cartographic methods. Two field tutorials, equivalent to 16 tutorial hours, are a compulsory part of the course. Students must provide basic drawing equipment.

27.802   Introduction to Human Geography   S2 L2T2½
Prerequisite: None.

Focus is on the relationships between man and the environment, their spatial consequences and the resulting regional structures that have emerged on the earth's surface. Basic concepts and methods for studying the spatial organization of human activities are discussed, particularly as they relate to patterns of location and distribution, to the flows, movements and linkages between places and activities, and to the processes operating that give rise to variations from place to place, particularly between urban and rural areas. Australian and South-East Asian examples are used where relevant.

Laboratory classes: Presentation and description of geographical data, analysis of spatial patterns, together with appropriate statistical exercises. A compulsory field excursion equivalent to eight tutorial hours.

*See Note 4.

Upper Level units

27.811   Physical Geography   S2 L2T2½
Prerequisite: 27.801.

Emphasising inter-dependence of climate, hydrology, land-forms, soils and vegetation in major zones. Classification of climates and world climatic patterns. Soil zonality and world soil patterns. World vegetation types and distribution, and their controls. Studies of selected zones with particular reference to the Australasian region.

Laboratory classes: climatic analysis and mapping, and analysis of natural landscapes, including airphoto interpretation, together with appropriate statistical exercises.

27.812   Human Geography   S1 L2T2½
Prerequisite: 27.802.

Emphasis is on the urbanization process in underdeveloped and industrialized societies. Theories, concepts and principles relating to the location, size and spacing of settlements, the economic and social structure of urban areas, and city-region relationships. Geographical perspectives on contemporary urban problems: particularly those associated with the concentration of people and activities between regions and within cities. Spatial variations in housing, employment and service provision are emphasized.

Laboratory classes: Case studies, methods of analysis and practical applications in the local region. A compulsory field excursion equivalent to 16 tutorial hours.

27.813   Geographic Methods   F L1T2
Prerequisites: 27.801 and 27.802*.

Statistical procedures and field methods used in both human and physical geography. Includes: measures of dispersion; measures of spatial distribution; time series; probability distributions; samples and estimates; hypothesis testing; association; correlation and regression; tests for distribution in space; data collection and analysis; field observations.

27.824   Spatial Population Analysis§   S2 L2T2
Prerequisite: 27.812.

Population growth and structure in an urban and regional context. The components and processes of population change: Fertility, mortality and migration set within the framework of demographic transition theory. Theories of migration and mobility and of optimal populations. Demographic and social indicators for urban and regional analysis and their implications for disparities in living conditions, residential differentiation and regional growth. The adjustment of immigrant and migrant populations to the urban environment.

27.825   Urban Activity Systems§   S1 L2T2
Prerequisite: 27.812.

Interaction in time and space within cities and between regions. Relationships between transportation, mobility and the environment structure of groups and individuals. Problems of accessibility to a wide range of activities, including services and employment. Patterns of flow, transaction and linkage between economic activities. Topics include: the journey-to-work, shopping and travel behaviour, contact networks, and the optimal location of facilities.

27.826   Urban and Regional Development§   S1 L2T2
Prerequisite: 27.812.

Processes of change in the distribution of settlement and economic activity at the regional and metropolitan scales, with special attention to urban and regional development in Australia. Topics include: regional balance and polarization, industrial concentration and linkages; dispersal and relocation of manufacturing and services; growth centres and regional multipliers; changes in the inner city and the urban fringe. Problems of resource allocation and equity, and regional policies and strategies for urban and regional development. Approaches to urban and regional analysis and definition of regional indicators.

27.827   Environment and Behaviour§   S2 L2T2
Prerequisite: 27.812.

The recent developments in behavioural geography, particularly those relating to spatial perception. Topics include: the development of human landscapes, learning and diffusion processes, the perception, evaluation and response to environmental hazards and variations in environmental quality, mental maps, the nature of externalities, conflict, and decisionmaking in the context of equity and spatial justice. Concepts, principles and methods are stressed and examples are drawn from rural and urban settings.

27.860   Landform Studies   S2 L2T2½
Prerequisite: 27.811.

The study of landforms, with particular reference to Australian examples. Geomorphic regions. Planation surfaces and processes and associated weathering features. The evolutionary and dynamic approaches to landforms, with particular reference to fluvial landforms. Coastal processes and forms. Desert landforms. Landforms as evidence of climatic change.

27.862   Australian Environment   S2 L2T2½
             and Natural Resources
Prerequisites: 27.811 or 27.812.

Continental and regional patterns of land, water and energy resources in Australia and its territorial waters, and natural factors affecting their development, including climate, soils and terrain; problems of limited surface and underground water resources and of conflicting demands, exemplified through particular basin studies; comparable reviews of energy, minerals and forest resources; human resources and development.

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*In special cases, the Head of School may give permission for 27.801 to be taken as a co-requisite for this course.
§Subject to availability of staff.

27.863   Ecosystems and Man   L2T2½

Prerequisites: 27.811 or 27.812.

The structure and functioning of ecosystems; man's inter-action with ecosystems; Australian case studies of ecosystem management, including pastoral, cropping, forestry, coastal and urban ecosystems.

Advanced Level units*

27.880   Advanced Geographic Methods

Prerequisites: Graded Passes in 27.813, and in 27.811 or 27.812.

Additional quantitative research techniques normally taken by intending Honours students in their third year. Research organization; computing including Fortran; collection and organization of data; statistical description; hypothesis testing and sampling; simple and multiple association analysis; non-parametric methods.

**27.834   Spatial Population Analysis   S2 L3T3
(Advanced)§**

Prerequisites: Graded passes in 27.812 and 27.813.

Additional and more advanced work relating to the content of 27.824.

27.835   Urban Activity Systems (Advanced)§   S1 L3T3

Prerequisites: Graded passes in 27.812 and 27.813.

Additional and more advanced work relating to the content of 27.825.

**27.836   Urban and Regional   S1 L3T3
Development (Advanced)§**

Prerequisites: Graded passes in 27.812 and 27.813.

Additional and more advanced work relating to the content of 27.826.

**27.837   Environment and   S2 L3T3
Behaviour (Advanced)§**

Prerequisites: Graded passes in 27.812 and 27.813.

Additional and more advanced work relating to the content of 27.827.

27.870   Landform Studies (Advanced)   S2 L3T3

Prerequisite: Graded pass in 27.811.

As for 27.860 Landform Studies, with additional and more advanced work, including selected studies of geomorphic processes and of man's influence on those processes.

**27.872   Australian Environment and   S2 L3T3
Natural Resources (Advanced)**

Prerequisites: Graded passes in 27.811 or 27.812.

As for 27.862 Natural Resources, with additional and more advanced work.

**27.873   Ecosystems   S1 L3T3
and Man (Advanced)**

Prerequisites: Graded passes in 27.811 or 27.812.

As for 27.863 Ecosystems and Man, with additional and more advanced work.

Honours Level units

27.890   Thesis and Associated Seminars   F T3

Prerequisites: Graded passes in 3 Advanced Level units in Geography. Co-requisite: 27.893 or 27.894 or 27.895.

Honours students in their final year are required to prepare a thesis of not more than 20,000 words and to attend a series of seminars on their thesis and supporting topics. The thesis topic must be approved by the Head of the School during the second half of the year *preceding* entry into the final year, while the thesis must be submitted before the examina-tion period in November of the final year. It is expected that research work for the thesis is undertaken during the summer vacation preceding the final year.

27.893   Honours Physical Geography   S1 L4T4

Prerequisites: Graded passes in 3 Advanced Level units in Geography. Co-requisite: 27.890.

Advanced studies in a branch of physical geography appro-priate to the area of research chosen for the thesis.

27.894   Honours Urban Geography§   S1 L2T4

Prerequisites: Graded passes in 3 Advanced Level subjects in Geography. Co-requisite: 27.890.

Approaches to the study of the urban environment and the changing nature of urban geography. The impact of quanti-fication and problems of theory building are stressed. Concern is with the individual in increasingly complex urban and regional environments. Problems and issues discussed are viewed from a policy perspective.

27.895   Honours Social Geography§   S1 L2T4

Prerequisites: Graded passes in 3 Advanced Level subjects in Geography. Co-requisite: 27.890.

Changing views of social geography in the twentieth century. The decline and resurrection of humanistic perspectives in geography. The impact of quantification and problems of theory building are stressed. The above themes are developed through consideration of such substantive areas as popula-tion-resource relationships; urbanism; social problems and social change; urban and rural relationships.

*See Notes 1, 2, 3, 4.

§Subject to availability of staff.

Applied Geology

Undergraduate Study

25.011   Geology I

Prerequisite: HSC Exam
                                Percentile Range Required

2 unit Science (any strand) or   31-100

4 unit Science (multistrand)   31-100

Physical Geology

The origins, structure and main surface features of the earth; geological cycle—processes of erosion, transportation, sedimentation and lithification. Surface and sub-surface water. Weathering, lakes, rivers, glacial phenomena. Vulcanism, earthquakes, orogenesis and epeirogenesis, integrated theory of plate tectonics and continental drift.

Crystallography and Mineralogy

Introduction to crystal symmetry, systems, forms, habit, twinning. Occurrence, form and physical properties of minerals. Mineral classification. Descriptive mineralogy. Principal rock forming minerals. Basic structures of silicate minerals.

Petrology

Field occurrence, lithological characteristics and structural relationships of igneous, sedimentary and metamorphic rocks. Introduction to coal, oil and ore deposits.

Stratigraphy and Palaeontology

Basic principles of stratigraphy; introductory palaeontology. The geological time scale. The geological history of the Australian continent and more specifically that of New South Wales in introductory outline.

Practical Work

Preparation and interpretation of geological maps and sections. Map reading and use of simple geological instruments. Study of simple crystal forms and symmetry. Applied stereoscopic projection. Identification and description of common minerals and rocks in hand specimen. Recognition and description of examples of important fossil groups. Supplemented by three field tutorials, attendance at which is compulsory.

25.151   Geoscience IA

Prerequisite: HSC Exam
                                Percentile Range Required

2 unit Science (any strand) or   31-100

4 unit Science (multistrand)   31-100

For students who do not intend studying geology beyond first year. The first part, during Session 1, is identical to the first part of 25.011 Geology I, but during Session 2 certain additional topics are presented, while others are treated in less depth than in 25.011 Geology I. No further units in Geoscience are available after this course.

Physical Geology

The origins, structure and main surface features of the earth. Geological cycle—processes of erosion, transportation, sedimentation and lithification. Surface and sub-surface water. Weathering, lakes, rivers, glacial phenomena, geomorphology

under different climatic regimes. Vulcanism, earthquakes, orogenesis and epeirogenesis. Outlines of plate tectonic theory, in relation to continental drift and oceanography.

Crystallography and Mineralogy

Crystal symmetry, systems, forms, habit, twinning. Occurrence, form and physical properties of minerals. Basic structures of silicate minerals. Mineral classification. Descriptive mineralogy. Principal rock forming minerals.

Petrology

Field occurrence, lithological characteristics and structural relationships of igneous, sedimentary and metamorphic rocks. Coal, oil and ore deposits.

Stratigraphy and Palaeontology

Basic principles of stratigraphy; introductory palaeontology. The geological time scale. The geological history of the Australian continent and more specifically that of New South Wales in introductory outline.

Practical Work

Preparation and interpretation of geological maps and sections. Map reading and use of simple geological instruments. Study of simple crystal forms and symmetry. Identification and description of common minerals and rocks in hand specimen. Recognition and description of examples of important fossil groups. Supplemented by two half day and two full day field tutorials, attendance at all of which is compulsory.

25.161   Geoscience IB

For students who do not intend studying geology beyond first year, and who do not possess the prerequisites for Geoscience 1A.

Physical Geology.

The origins, structure and main surface features of the earth. Processes of erosion, transportation, sedimentation and lithification. Surface and subsurface water. Weathering, glacial phenomena, geomorphology under different climatic regimes. Vulcanism, earthquakes, mountain building. Outlines of plate tectonic theory.

Crystallography and Mineralogy

Crystal symmetry, systems, forms, habit, twinning. Occurrence, form and physical properties of minerals. Mineral classification. Descriptive mineralogy.

Petrology

Field occurrence, lithological characteristics and structural relationships of igneous, sedimentary and metamorphic rocks. Introduction to economic mineral deposits.

Stratigraphy and Palaeontology

Basic principles of stratigraphy and palaeontology. The geological time scale. The geological history of the Australian continent and of New South Wales in introductory outline.

Practical Work

Interpretation of geological maps and sections. Map reading and use of simple geological instruments. Study of simple crystal forms. Identification and description of common minerals and rocks. Recognition and description of examples of important fossil groups. Supplemented by two half day and two full day field tutorials, attendance at all of which is compulsory.

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25.012 Geology IIA

Structural Geology

Origin, classification and description of structures in sedimentary, igneous, and metamorphic rocks. Stereographic projection of structural elements, and analysis of simple fracture and fold systems. Tectonics.

Mineralogy, Igneous and Metamorphic Petrology

Principles of optical crystallography and the use of the polarizing microscope. Chemical and physical properties of the main groups of minerals. Occurrence, genesis and classification of igneous rocks. Magmatic crystallization and differentation. Simple binary and ternary systems. Origin and classification of metamorphic rocks. ACF and AKF diagrams and metamorphic facies.

Practical Work

Mesoscopic and microscopic examination of rock forming and ore minerals, igneous and metamorphic rocks.

Photogeology

The use of air photos for geological mapping and geomorphic evaluation of land. Techniques and principles of photo interpretation, multiband photography; landform genesis and photo interpretation of folds, faults, joints, bedding, limestone, intrusive igneous rocks, volcanics, alluvial fans and terraces, slopes, landslides, coastal arid and tropical landforms; relations between geology, drainage, soil and vegetation; orebody expression, gossans, colouration halos.

25.022 Geology IIB

Stratigraphy and Palaeontology

Stratigraphy

Flow regime and bedding forms including flume experiments, sedimentary structures. Modern and ancient environments of deposition: fluvial, deltaic coastal, shelf, slope and deep sea environments. The facies concept. Stratigraphic principles. Fold Belts, geosynclines and their interpretation by plate tectonics models. Stratigraphic and structural development of a fold belt (Lachlan Fold Belt) and an intracratonic basin (Sydney Basin).

Palaeontology

Morphology and stratigraphic distribution of the Protozoa, Porifera, Coelenterata, Bryozoa, Brachiopoda and Mollusca. Practical examination of representative fossils from each phyla.

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German

Undergraduate Study

Students intending to major in German are strongly advised to choose at least some of their supporting units for the degree from the Western European Studies program set out earlier in this handbook.

All units offered by the School of German (with the exception of 64.501 German IA, 64.504 German Honours, 64.630 Germany since 1945, and 64.640 The Persecution and Destruction of German Jewry 1933-1945, which are double units) are twenty-eight week units.

Possible sequences in the School of German (M = major sequence).

Level I	Upper Level	
German IA	German IIA/B	German IIIA
		German IIIA/B (M)
		German IIIA/B/C (M)
		German IIIA/B/C/D (M)
German IB/C	German IIC	German IIIA
	German IIC/D	German IIIA
		German IIIA/B (M)
		German IIIA/B/C (M)
		German IIIA/B/C/D (M)
	German IIC/D/E	German IIIA (M)
		German IIIA/B (M)
		German IIIA/B/C (M)

The following special sequences are available only to native German speakers:

German IB/C	German IID	German IIIB
	German IID/E	German IIIB
		German IIIB/C (M)
		German IIIB/C/D (M)

Additional sequence available to students from other Faculties:

German IA	German IIA

Level I units

64.501   German IA—Introductory German

This subject of 6 hours per week is intended to provide students who have no previous knowledge of the language with a sound basis of spoken and written German and to introduce them to German literature and culture. Students wishing to proceed to German IIA must successfully complete a study program during the long vacation prior to enrolment.

64.511   German IB

Prerequisite:	HSC Exam Percentile Range Required
2 unit A German or	71-100
2 unit German or	31-100
3 unit German	11-100

Co-requisite: 64.521.

Three hours per week practical language work.

64.521   German IC

Prerequisite: as for 64.511. Co-requisite: 64.511.

Three hours per week: a survey of German literature and history of the period 1770 to 1830, and a detailed study of selected literary texts.

Upper Level units

64.502   German IIA

Prerequisite: 64.501. Co-requisite: (for Arts students only) 64.522.

Three hours per week practical language work. Students wishing to proceed to 64.503 German IIIA must successfully complete a study program during the long vacation prior to enrolment.

64.512   German IIA (Advanced)

As for 64.502 German IIA, but with an additional hour per week advanced language work.

64.522   German IIB

Prerequisite: 64.501. Co-requisite: 64.502.

Three hours per week: a survey of German literature and history of the period 1770 to 1830, and a detailed study of selected literary texts.

64.532   German IIC

Prerequisite: 64.511.

Two hours per week practical language work plus one hour per week to be chosen from the list of options in language, literature and history offered by the School each year.

Note: Native German speakers who have passed 64.511 German IB and 64.521 German IC may not enrol in 64.532 German IIC or 64.503 German IIIA.

64.542   German IID

Prerequisite: 64.511 and 64.521. Co-requisite: (except for native German speakers) 64.532.

Three hours per week selected from the list of options in language, literature and history offered each year by the School.

64.552   German IID (Advanced)

As for 64.542 German IID, but with an additional hour per week selected from the list of options.

64.562   German IIE

Prerequisite: 64.511 and 64.521. Co-requisite: 64.542.

Two additional hours per week selected from the list of options.

64.572   German IIE (Advanced)

As for 64.562, but with an additional hour per week selected from the list of options.

64.503   German IIIA

Prerequisite: 64.502 or 64.532.

Two hours per week practical language work plus one hour per week to be chosen from the list of options in language, literature and history offered by the School.

64.513   German IIIB

Prerequisite: 64.522 or 64.542. Co-requisite: (except for native German speakers) 64.503.

Three hours per week selected from the list of options.

64.523   German IIIB (Advanced)

As for 64.513 German IIIB, but with an additional hour per week selected from the list of options.

64.533   German IIIC

Prerequisite: 64.522 or 64.542. Co-requisite: 64.513.

Two additional hours per week selected from the list of options.

64.543   German IIIC (Advanced)

As for 64.533 German IIIC, but with an additional hour per week selected from the list of options.

64.553   German IIID

Prerequisite: 64.522 or 64.542. Co-requisite: 64.533.

Two additional hours per week selected from the list of options.

64.563   German IIID (Advanced)

As for 64.553 German IIID, but with an additional hour per week selected from the list of options.

Honours Level units

64.504   German (Honours)

Prerequisite: Six Upper Level units in German, including a Pass at Credit Level or better in 64.503 German IIIA (except in the case of native German speakers), 64.523 German IIIB (Advanced Level), 64.543 German IIIC (Advanced Level) and 64.563 German IIID (Advanced Level) or 64.572 German IIE (Advanced Level).

Students proceeding from 64.511 German IB and 64.521 German IC who have passed 64.552 German IID (Advanced Level) at Credit Level or better may, with the approval of the Head of School, substitute Advanced Level units in other subjects for 64.563 German IIID (Advanced Level) and/or 64.543 German IIIC (Advanced Level).

Note: Only five Upper Level units are available to native German speakers. To qualify for admission to Honours Level, they must, in addition to the prerequisites above, have passed an Advanced Level unit in another School at Credit Level or better.

Three 7-week literature seminars, a weekly staff-student seminar and two hours per week practical language work. In addition, a short thesis must be submitted.

Additional Upper Level units

64.600   German Literature and Society in the Twentieth Century

Prerequisite: Approval to enrol in this unit should be obtained from the School of German.

Upper Level unit. One two-hour seminar-discussion weekly. For students with no knowledge of German who wish to study some of the most significant works of German literature. The texts to be studied have been chosen with a view to their social and political relevance, and this aspect is stressed in seminar discussions.

64.610   German Literature and Society

Prerequisite: Approval to enrol in this unit should be obtained from the School of German.

Not offered in 1979.

Upper Level unit. One two-hour seminar-discussion weekly. For students with no knowledge of German who wish to study some of the most significant works of German literature. The texts to be studied have been chosen with a view to their social and political relevance, and this aspect will be stressed in seminar discussions.

64.620   German Reading Course

Prerequisite: Approval to enrol in this unit should be obtained from the School of German.

Upper Level unit. Two hours per week for students in the humanities, presuming no previous knowledge of German. The basic aim of the course is to enable potential honours and research students in the humanities to read and translate source material in their field of specialization. To this end an intensive exposition of the linguistic structures of German is given, plus practical training in translation into English from a range of relevant publications.

64.630   Germany since 1945

Approval to enrol in this subject should be obtained from the School of German.

Upper Level double unit. Two lectures per week and one tutorial. The subject is taught in English and requires no knowledge of German. It may, with the approval of the School of History, be counted towards a major sequence in History. The main topics: the war aims of the Allies and the breakdown of German Fascism (1941-45); the period of occupation, the Cold War, the Berlin crisis, and the division of Germany (1945-49); the founding and development of the Federal Republic of Germany and the German Democratic Republic (1949-1976)—a comparative analysis of their political, socio-cultural and economic systems.

64.640   The Persecution and Destruction of European Jewry 1933-1945

Approval to enrol in this subject should be obtained from the School of German.

Not offered in 1979.

Upper Level double unit. Two lectures per week and one tutorial. The subject is taught in English and requires no knowledge of German. It may, with the approval of the School of History, be counted towards a major sequence in History.

A description and analysis of the fate of European Jewry under Fascist rule. The history of Antisemitism, the individual phases and aims of the persecution of the Jews under the Nazis in Germany and in German occupied countries. An analysis of the causes, development, function and consequences of the policy of genocide. A consideration of the reactions of the Jewish minority and the attitude of society in general.

64.650   An Introduction to the Historical Study of the Germanic Languages

Prerequisite: Two units of English or a foreign language.

Approval to enrol in this unit should be obtained from the School of German.

Upper Level unit. One two-hour tutorial per week. The subject is taught in English and requires no previous knowledge of German.

Aims to give an introduction to the philology of the Germanic languages, based on: **1.** the history of the subject in the 19th Century (Bopp, Rask, Grimm, Verner, etc); **2.** the methods employed in comparative and historical linguistics; **3.** a detailed study of texts in relevant languages.

64.660   The Paris Commune of 1871

Prerequisite: 56.511 or 51.511 or 51.593 or 54.901 or 53.104.

Not offered in 1979.

Upper Level unit. One two-hour seminar per week.

Consists of two parts:

1. Historical analysis of the Paris Revolution of March-May 1871; emphasis on communal constitution and its governmental and administrative functioning as an example of a revolutionary democracy (council system).

2. Discussion of various socio-political interpretations and explanatory models; emphasis on the theory of the state and the transitional stage of post-revolutionary society; special consideration is given to 'Marxist' interpretations (Marx/Engels, Bakunin, Lenin, Kautsky).

Graduate Study*

64.500G
64.501G
64.502G
Master of Arts (Pass)

The two units, 64.501G and 64.502G, may be taken either concurrently (in one year) or consecutively (in two successive years). In each unit candidates are required to attend two 21-hour seminar courses on literature or linguistics and a staff-student seminar on critical method, and to undertake such practical language work as the School considers necessary. In addition, a short thesis 64.500G of approximately 20,000 words on a literary or linguistic topic must be submitted.

History

Undergraduate Study

The School of History offers a variety of Level I, Upper Level and Advanced Level units, giving students a wide choice of options at all levels. All subjects are concerned with aspects of modern history, and are, in the main, related to periods and themes in Asian, Australian, British, European and American History. Attention is paid to general theories and problems of historical explanation as well as to the techniques of writing history, and to the variety of approaches to specific historical problems relevant to the particular courses.

Pass students in each of the three undergraduate years are required to attend two lectures and one tutorial each week, while intending Honours students attend additional seminars in their second and third years and devote a fourth, additional year to special honours work, which includes the writing of a thesis. Most of the students' working time, however, will be spent in the University library, reading the books prescribed for the course, preparing papers to be read at tutorials and seminars, and writing the required essays.

The basic division within the units offered by the School of History is between those offered at Level I, and those available at Upper Level. The prerequisite for admission to an Upper Level unit is a Pass in a Level I double unit in the School of History, or its equivalent. At Level I, certain basic skills are taught in relation to the writing and referencing of papers and essays, which are then taken for granted in Upper Level courses. At the same time, in Level I units students are introduced to approaches, techniques and requirements and are expected to build on these foundations a more mature and refined handling of their subject, and to develop their own techniques for coping with the widening variety and increasing volume of source materials to which they will be introduced; they are also encouraged to extend their own initiatives in relation to the historical enquiries in which they are engaged. A much greater proficiency in all these respects is required of intending honours students, and

especially of those who wish to further their studies by becoming graduate students working towards the MA or PhD degree.

The minimum number of units for a major in the School of History is six. Pass students in the School of History may take no more than one Level I double unit, no more than four double units altogether, and no more than two Upper Level units in the School of History simultaneously.

51.510 History IA—Tradition and Transformation in Asia

The structure and values of three pre-modern Asian societies (the Middle East, India and Vietnam) and their modern revolutionary or non-revolutionary transformations, together with certain historiographical theories concerning the nature of traditional societies and change. Topics include: tribal and peasant societies; classical philosophies; popular religion; social organization (especially the family and the position of women); cultural encounter; the impact of the west.

51.511 History IB—The Emergence of Modern Europe, 1500—c. 1850

Some of the main formative influences in European history from the 16th to the mid-19th century. Three themes:

1. Dynasticism and Absolutism, 1500-1800. **2.** Ideas in History: the Reformation of the 16th century, the Scientific Revolution of the 17th century, and the 18th century Enlightenment. **3.** The impact of the French Revolution on European thought, politics and society in the first half of the 19th century.

51.521 History IC—Australia in the Nineteenth Century

The colonial period of Australian history from the arrival of the first fleet to the federation of the six colonies. Social, cultural and political developments. Major historiographical themes and problems.

Topics include: pre-European civilization; the Macquarie era; the pastoral expansion; life in the cities/country; discovering the environment; recreating old environments; urbanization; immigration; responsible government; the development of ideas; political institutions; colonial liberalism; racism; the federal movement; Australian culture.

Upper Level units

Upper Level units
51.533 History IIA—Modern South Asia

Prerequisites: 51.510 or 51.511 or 51.521 or equivalent qualifications as determined by the School of History.

The social and political developments that have occurred in the Indian sub-continent since its initial encounter with the Modern West in the mid-18th Century.

Session 1: (a) The organization of traditional Indian society in the 18th century; the breakdown of that society under the impact of the West in the form of the European trading companies and its subsequent conquest by the British. (b) The

*See Graduate Study earlier in this Handbook.

social and political innovations of the British Raj and the response thereto of the different elements in Indian society—in terms of both socio-economic and ideological adaption. (c) The beginnings of a new nationalist basis for the political integration of the region over the period 1885-1917.

Session 2: (a) The independence struggle against the Raj; decolonization and partition of the subcontinent into two nation-states India and Pakistan and the social developments influencing and accompanying these events [1918-1948]. (b) Independent South Asia in the contemporary world: Congress India—its political system and the stresses imposed thereupon by socio-economic developments since 1949, its foreign relations; Pakistan as an Islamic state: its unstable political system, oscillating between democracy and authoritanism; its failure to contain Bengali separatism, its foreign relations. (c) The subcontinent: Perspectives, 1979: The problems facing the incumbent regimes in India, Bangladesh and Pakistan; alternative political forces in the region.

51.542   History IIB—Australia in the Twentieth Century

Prerequisites: 51.510 or 51.511 or 51.521 or equivalent qualifications as determined by the School of History.

Major themes in Australian social, political, and cultural history since 1900.

Session 1: The years 1900-1939.

Session 2: The period from 1939 to the present.

51.562   History IID—Southeast Asian History

Prerequisites: 51.510 or 51.511 or 51.521 or equivalent qualifications as determined by the School of History.

The major countries covered are Indonesia, Malaysia, Thailand and the Philippines. **1.** Assesses the historical development, religions and political and economic structures of traditional Southeast Asian societies. **2.** Major emphasis on social and economic changes and political developments in the 19th and 20th centuries.

51.572   History IIE—A History of the United States

Prerequisites: 51.510 or 51.511 or 51.521 or equivalent qualifications as determined by the School of History.

The modern historical development of the United States. Although some consideration will be given to the history of the country during the colonial period, the main emphasis of the course is upon political, social and economic developments since 1776; how, why, when and with what results thirteen English Colonies were consolidated into the single, powerful, industrial nation of today. Part 1: 1760-1877; Part 2: 1877-1977.

51.582   History IIF—East Asian History

Prerequisites: 51.510 or 51.511 or 51.521 or equivalent qualifications as determined by the School of History.

An introduction to the political developments of Modern China. A brief analysis of the social and political background of traditional China. The Chinese response to the Western impact from mid-19th century to mid-20th century. The rise of Chinese communism. Session 2 includes a comparative study of the political developments in Modern Japan.

51.592   History IIG—Britain since 1760

Prerequisites: 51.510 or 51.511 or 51.521 or equivalent qualifications as determined by the School of History.

Certain major themes in the political, social, and economic history of Britain since 1760. Includes industrial and demographic revolutions, the growth of democracy and the evolution of the Westminster system of Government, the emergence and development of class consciousness and political radicalism, the growth of institutions of social control, social welfare and local government, changes in patterns of religion, morality, recreation, and family life, Anglo-Irish relations, and changes since the mid-eighteenth century in the role and significance of Britain in international affairs.

51.593   History IIH—Modern Europe

Prerequisites: 51.510 or 51.511 or 51.521 or equivalent qualifications as determined by the School.

Society, Politics and Ideology in 20th Century.

Four main sections: **1.** The European states at the turn of the century: The challenge to the established order. **2.** The breakdown of the International and domestic order, World War I and its aftermath. **3.** The Totalitarian challenge in the 1930's and World War II. **4.** Europe after World War II: West vs East?

Advanced Level units

Students should note that Upper Level units listed are incorporated within Advanced Level units and separate enrolment is not required.

51.602   Muslim India (Advanced)*

Prerequisites: 51.510(Cr) or 51.511(Cr) or 51.521(Cr).

51.533, plus

A series of seminars on the political, social and economic history of the Muslims of South Asia, with special reference to the nineteenth and twentieth centuries. Investigates the pre-colonial structure of the Muslim community, and its responses to colonialism and modernization during British rule and later.

51.603   Indian History (Advanced)

Prerequisites: 51.510(Cr) or 51.511(Cr) or 51.521(Cr).

51.533, plus

South Asia: Crises & Coups 1971-1979

The collapse of the post-independence equilibrium in the subcontinent during the decade of the seventies. **1.** Congruent with Session 1, treats the break-up of Jinnah's Pakistan, the problems of nation-building in Bangladesh and of establishing a new national identity in the rump Pakistan, plus the two crises of Sri Lankan democracy—the Guevarist insurrection and the growth of the Bandaransike dictatorship. **2.** Focusses on India since the 1969 Congress split. Most seminars are concerned with the 1975-1977 emergency and its aftermath, but there are two introductory ones dealing with the 1969 split

*May not be available in 1979. Please check with the School.

and the 'Green Revolution', the two developments that set the scene for the politics of the late seventies. The general purpose of the course is to probe the development prospects for the region in the last two decades of the century.

51.620　Change and Continuity in France 1789-1871

Prerequisites: 51.510(Cr) or 51.111(Cr) or 51.521(Cr).
51.593, plus

A series of seminars which deal with the revolutionary tradition in France between 1789 and the Paris Commune. Besides examining the history of French revolutions themselves, it analyses the social and political changes they brought about, and the elements of continuity in French social and political life which survived them.

51.630　The Australian People in Three Wars (Advanced)

Prerequisites: 51.510(Cr) or 51.511(Cr) or 51.521(Cr).
51.542, plus

The varying responses of the Australian people to the challenge of war. The changing nature of Australian society. Responses at home to the First and Second World Wars and to the Vietnam war; the story of the troops in the field is touched on only incidentally, as it affects the situation in Australia. Themes include conscription, women at war, the role of the press and the treatment of dissidents.

51.662　Reform and the Social Order in America, 1800-1860 (Advanced)

Prerequisites: 51.510(Cr), 51.511(Cr) or 51.521(Cr).
51.572, plus

The major reform movements of the pre-Civil War decades; abolitionism, anti-slavery, temperance, prohibition, utopias, communes, religious revivalism, nativism, asylums and the women's movement. The relationship between these movements and social change. Reform is treated both as a response to the social disorder of Jacksonian America, and as a source of social conflict and change in society; motives of reformers, their social goals and purposes, the strategies and tactics they pursued, and the impact of reform movements on the political system as exemplified in the origins of the Civil War.

51.634　Immigration and Ethnicity in United States History 1880-1930 (Advanced)

Prerequisites: 51.510(Cr) or 51.511(Cr) or 51.521(Cr).
51.572, plus

The nature of immigration to the United States and its impact upon American society during the period 1880-1930. An analysis of ethnicity and its implications in United States history.

51.640　Literature and Society in Twentieth Century Australia (Advanced)

Prerequisites: 51.510(Cr) or 51.511(Cr) or 51.521(Cr).
51.542, plus

Theories of cultural growth in Australia and arguments about the role of literature in a new society. The nature and recep-tion of popular culture in Australia. Prior grounding in Australian literature or literary criticism is not required.

51.642　Nationalism and Revolution in Indonesia (Advanced)

Prerequisites: 51.510(Cr) or 51.511(Cr) or 51.521(Cr).
51.562, plus

A study of the forces for and against the political, social and economic transformation of Indonesian society in the 20th century.

51.672　Intellectual Trends and the Rise of Communism in China (Advanced)

Prerequisites: 51.510(Cr), 51.511(Cr) or 51.521(Cr).
51.582, plus

Analyses on the political ideas of prominent Chinese intellectual and political leaders between late 19th century and mid-20th century, with special emphasis on Mao Tse-tung's ideology and its interaction with other communist leaders.

51.682　Social History and the British Industrial Revolution (Advanced)

Prerequisites: 51.510(Cr) or 51.511(Cr) or 51.521(Cr).
51.592, plus

A series of seminars introducing students to the discipline of social history through the study of a cluster of problems related to the origins and character of industrialization in Britain. Historiographically, the course explores the ways in which social history, as a sub-discipline, has made a specific contribution to the study of the Industrial Revolution. An integrated program of topics seeking to relate change and continuity in various aspects of British society—demographic, political, religious, recreational etc—to patterns of economic growth and development in the period c 1760-1840.

51.594　Socialism in Western Europe: from Marx to Eurocommunism

Prerequisites: 51.501(Cr) or 51.511(Cr) or 51.521(Cr).
51.593, plus

A series of seminars dealing with socialism and society over the last century, with special reference to France and Germany.

Honours Level units

51.703　History Honours

Prerequisites: three Advanced Level units (Cr).

A Honours students in their final year are required to prepare a thesis between 12/15,000 words, which must be submitted before the Final Examinations in November.

B Students are required to take two such optional courses as notified by the School of History, in December 1978.

History and Philosophy of Science

Undergraduate Study

Subjects offered in the School have two broad aims. The first is to acquaint students with the relationship between science and general cultural and intellectual development. The second is to place science and technology in their social context. History and philosophy of science, as it is traditionally conceived, has generally been concerned with the first of these aims. In recent years, however, there has been a subtle redefinition of the boundaries of the discipline, brought about by the demand for knowledge of the social dimensions of science and technology. The resources that have been allocated by society to scientific and technological activities have now grown to enormous proportions. Recognizing the fact that science and technology, as agents of social change, are not always beneficial, there is a need to ensure that these resources are effectively and efficiently utilized. The challenge to democratic control posed by the rise of scientific elites, whose power derives from their specialized knowledge, highlights the importance of the social dimensions of science to an understanding of the role of science and technology in modern society.

The contemporary preoccupation with the social implications of science should not obscure the fact, however, that throughout history the natural sciences have been an integral component of general intellectual and cultural development and it is no accident that science has flourished in times and places of dynamic cultural life.

Two pairs of wide-ranging units are offered in first year, one concerned with the history of cosmology and the other with the seventeenth-century scientific and intellectual revolutions. Both pairs serve, in a different way, as a general introduction to HPS. While it is anticipated that as a rule both units of one or other pair will be taken, students may, if they wish, combine one unit of one pair with one unit of the other pair, or simply include a single unit in their program. Students taking both units of a pair may, with special permission of the Head of School, have the Session 1 unit assessed with the Session 2 unit at the end of the academic year.

A variety of Upper Level units is offered. Some are of general interest and serve to complement courses offered by other Schools, such as Philosophy, Sociology and History. Others are designed for students interested primarily in the history and social relations of the sciences and the principles of the philosophy and methodology of science. The only prerequisite for the more general units is the completion of four approved units. Other units have additional prerequisites as specified.

Besides the pass courses the School offers sequences leading to the Special Honours degree in the subject and participates in the provision of courses leading to Combined Honours degrees. Because of its many-sided character, HPS can be combined with most subjects in the Faculty of Arts in programs for the Combined Honours degree.

Employment opportunities for graduates in HPS are to be found in teaching, science reporting, curatorial work in museums, and in positions in industry and the public service concerned with science policy and the administration of science and technology.

Level I units

62.201   The Modern History of Western Cosmology

The evolution of ideas about the structure and history of the universe at large, from the seventeenth century to the present. The genesis of contemporary theories of an expanding universe, a steady state universe and alternative scenarios of the past and future of the universe; paradoxes associated with models of an infinite universe and black-hole states of matter; the speculations of investigators such as Wright, Kant and Herschel on the origin and structure of the Milky Way 'island universe'; Newton's system of the world; the mysterious planetary cosmos of Kepler; Galileo's crusade for the Copernican world system; the confrontation between theology and cosmology, faith and reason, man and the physical world.

62.202   The History of Ancient and Renaissance Cosmology

The development of man's knowledge and understanding of the cosmos from the Babylonian genesis to the Copernican revolution. The emergence of ideas on earth- and sun-centred systems of the world from speculations in mythology, astrology and astronomy about the motions of the planets; comparative studies of the progress of early Chinese, Indian, Judaic and Greek cosmology; Presocratic and Pythagorean concepts; Plato and the 'problem of the planets'; the metaphysics and cosmology of Aristotle; Ptolemaic astronomy; Oriental and Arabian cosmology and the synthesis of Aristotelian cosmology and Christian doctrine; the Copernican revolution and its influence on the development of Western thought and the image of man.

62.211   The Seventeenth-Century Intellectual Revolution

The intellectual revolution, centred upon science of the seventeenth and early eighteenth centuries which led on to the Enlightenment. The Medieval and Renaissance background. Bacon and Baconianism; empiricism; experimentation and the virtuosi; the idea of progress. The mechanization of the world picture: Descartes and Cartesianism; rationalism; the revival of atomism; materialism. The Copernican Revolution. Locke. Hobbes.

62.212   The Cultural Impact of the Seventeenth-Century Scientific Revolution

Newton and Newtonianism: the 'New Philosophy'; the implications of the new dynamics and astronomy; the mathematization of science. Science and religion: the decline of superstition and the growth of scepticism; the physico-theologists; deism and the argument from design. General topics: philosophy and methodology of science; the problem of certainty; literature, language and science; the battle of the ancients and moderns; the advent of the Age of Reason.

Upper Level units

62.203   The Freudian Revolution

Prerequisite: 62.243 or 62.273 or 62.283 or 62.503 or 62.513 or by permission of Head of School.

After a brief survey of nineteenth-century conceptions of psychology and psychiatry, the subject traces the founding and development of psychoanalysis by Sigmund Freud and his associates. The reception of psychoanalytic theory is considered, with particular attention to: the status of psychoanalysis as a science and its relation to other sciences; the development of alternative depth psychologies; and the application of psychoanalytic concepts in fields such as anthropology, history, literary criticism, and social and political theory.

62.213   Marxism and Science*

Prerequisite: 62.253 or 62.503 or 62.513 or one Upper Level HPS unit together with one of the following: 52.193 or 52.373 or 52.383 or 54.302; or by permission of Head of School.

Weekly seminars and directed readings on Marxism and science. Topics: Marxist interpretations of scientific knowledge and its development, the claims of Marxism to be a science, the critique of non-Marxist philosophies of science and the nature and function of ideology in relation to scientific knowledge.

62.223   The Discovery of Time

Prerequisite: Completion of four Arts or other units approved by the School of History and Philosophy of Science.

The evolution of ideas concerning the age and history of the earth, devoting particular attention to the period from the seventeenth century to the present. Consideration is given to such questions as changing attitudes towards the authority of the scriptures, social theories, the concept of Nature, the rise of the Romantic Movement and the important growth of historical consciousness that occurred during the eighteenth and nineteenth centuries, the intention being to provide an understanding of the intellectual setting within which geological theories and ideas about time developed.

62.242   Introduction to the History of Ideas

Prerequisite: Any four Level I Arts units.

The discipline of the history of ideas. The relation of the History of Ideas to other disciplines such as History, Philosophy, History and Philosophy of Science, and Literature. An examination of the various kinds and roles of ideas in history. Ideas as characterizing periods and movements. Ideas as general metaphors and conceptual models. A detailed study of some examples selected from: Deism, Materialism, Nature, Platonism, Progress, Romanticism, Reason, Utilitarianism, Social Darwinism.

62.243   The Darwinian Revolution

Prerequisite: Completion of four Arts or other approved units.

A study of the scientific, philosophical and social antecedents and consequences of Darwin's theory of evolution. The prevailing ideas in biology before Darwin are studied in the context of the general climate of ideas to show why the revolution that the theory effected in biology resulted in changes in such diverse fields of thought as religion, literature, political theory, ethics, and the social and behavioural sciences.

62.252   Scientific Knowledge and Political Power

Prerequisite: Any 4 Arts or other approved units including 2 units of HPS.

An introduction to the political dimensions of twentieth century science. The following areas are covered: growth of expenditure on science in the twentieth century; attempts to define the social function of science in the inter-war years; the radical scientists' movement of the 1930s — the freedom *versus* planning debate; science and politics in the Second World War; government patronage and political expectations in the post-war period; science and economic growth; the science-technology relationship; the rejection of *laissez faire* in the 1960s; approaches to science policy; critiques of the role of science in contemporary society; scientists as experts; the question of social responsibility in science.

62.253   The Social History of Science from the French Revolution to the Second World War

Prerequisite: Completion of four Arts or other approved units.

The development of the scientific movement, in its social and cultural context, from the French Revolution to the 1930s. The course includes consideration of the different national contexts of the scientific movement; its relations with the State, with the universities and other teaching institutions, and with the professions of medicine and engineering; the communications system in science and the nature and functions of scientific societies; the effects of science on technology and of technology on science; the institutionalization and professionalization of science.

62.262   The Social System of Science

Prerequisite: Any 4 Arts or other approved units including 2 units of HPS.

An introduction to the social dimension of the practice of science. The production and application of scientific knowledge is examined as an activity in constant interaction with its socio-economic, political and cultural environments. The aim of the course is to highlight the principal features of this interaction in relation to each of the following aspects of scientific activity: the processes of research and discovery; the dissemination of research findings and their acceptance or rejection; the development or abandonment of accepted theories; and the technological applications of scientific knowledge.

62.263   The Development of Theories of Matter

Prerequisite: Completion of four Arts or other approved units, including two units of HPS or two units of an approved science.

The development of man's ideas about the nature of matter: 'the oldest conceptual tool in the Western speculative tradition'. A broad coverage of this many-sided topic is offered, from antiquity to the mid-twentieth century, though the emphasis is placed largely on ideas in the nineteenth and twentieth centuries. The main areas of study are: Greek matter theory; the 'organic' theories of the Renaissance; the 'mechanical philosophy'; Newton, Leibniz and Boscovich; eighteenth-century chemistry; Dalton's atomic theory and the 'atomic debates'; the establishment of the atomic weight scale; nineteenth-century theories of bonding and structure;

*Not offered in 1979.

Faraday, Maxwell, Hertz, and the origins of field theory; radioactivity; Thomson and Rutherford; the Bohr theory of the atom, the wave/particle model, the uncertainty principle and associated controversies; anti-matter; electronic theories of valency.

A set of notes are distributed each week and the subject is conducted entirely by seminars.

62.273　The Historical Foundations of Experimental Biology

Prerequisite: Completion of four Arts or other approved units, including two units of HPS or two units of an approved science.

The development of experimental biology from the revival of anatomical investigation by Vesalius in the mid-sixteenth century to the physiological researches of Henderson and Cannon in the mid-twentieth century.

Topics: the Vesalian tradition; the work of Harvey on the circulation of the blood and the functioning of the heart; Descartes and the mechanization of biology; early microscopy and plant physiology; theories of animal heat and respiration; the contributions of Haller, Bichat, and Magendie to the modern experimental method in physiology; German materialistic biology in the mid-nineteenth century; the work of Bernard, Henderson, and Cannon on organic homeostasis; relations between theories of biological equilibrium and social stability in the twentieth-century.

62.283　Theories of Generation and Heredity

Prerequisite: Completion of four Arts or other approved units, including two units of HPS or two units of an approved science.

The history of theories relating to generation and heredity, especially during the period from 1830 to the present, with special reference to the interplay of scientific, social, and ideological factors. Topics: the development of cell theory; nineteenth-century embryology; the theory of spontaneous generation and its overthrow; Mendel and his predecessors, the rise of classical genetics and the background to the Synthetic Theory of evolution; the origins of molecular biology, the phage group and the 'central dogma' of DNA; the question of heredity in relation to IQ and to sex roles; the controversy over genetic manipulation and its wider implications.

62.293　Science and the Strategy of War and Peace

Prerequisite: Completion of four Arts or other approved units.

Aims to give historical perspective to the impact of science and technology on the art of war from Leonardo da Vinci to contemporary problems of nuclear disarmament and the arms race. The main emphasis is upon the intellectual challenges, social consequences and moral dilemmas posed by twentieth century developments in propaganda, the mechanisation of warfare, communications, surveillance and physical, chemical, nuclear and biological weaponry; the early history of the atomic scientists and the nuclear age; Einstein and Russell and the anti-war movements, the role of the military industrial complex; the dynamics of the arms race and its limitation; the technological elaboration of armaments in the 1960's; the opportunity cost of military expenditure and limits to growth.

62.503　The Philosophy of Science

Prerequisite: Completion of four Arts or other approved units, including two units of HPS or two units of Philosophy, or one unit of HPS plus one unit of Philosophy, or two units of an approved science.

A general introduction to some of the more fundamental problems of the philosophy of science, emphasising the nature, composition, and structure of scientific theories, and of the relations between theoretical statements and observational data.

The logic of theory construction; the logical structure of theories; the status of scientific laws; the roles of regulative principles, correspondence rules, and methodological directives; the function of models and analogies; the nature of scientific explanation; the status of theoretical entities; the principles of theory establishment and rejection; the axiology and apologetics of science; the dynamics of scientific change, including the structure of scientific revolutions.

Examples selected from the history of the sciences illustrating the philosophical issues examined. Elementary mathematical logic.

62.510　Research Methods in History and Philosophy of Science

Co-requisite: 62.523—Advanced HPS A.

A weekly seminar designed to prepare students to carry out honours level research in HPS. The historiography of science, and its relations to philosophical and social studies of science, are analyzed through discussion of texts representing predominant approaches to HPS during the last 30-40 years. In addition, bibliographical, editorial, and other research exercises are carried out.

62.513　History of the Philosophy and Methodology of Science

Prerequisites: Completion of four Arts or other approved units, including two units of HPS or two units of Philosophy, or one unit of HPS plus one unit of Philosophy.

The development of ideas concerning the nature and methods of the sciences from antiquity to the present day: Platonism and Aristotelianism; Descartes, Leibniz and Continental rationalism; Bacon, Locke, Berkeley, Hume and British empiricism; Kant and Kantians; Herschel, Whewell, Mill and the revival of inductivism; Comte, Mach and nineteenth-century positivism; Peirce, James and pragmatism; Poincaré and conventionalism; Duhem and instrumentalism; Meyerson and realism; Einstein and the relativists; Eddington's selective subjectivism; Bridgman and operationalism; the Vienna Circle and logical positivism; Carnap and positivist reductionism; Popper and falsificationism; Hesse and modelism; Feyerabend and methodological anarchism.

A set of notes is distributed each week and the subject is conducted entirely by seminars.

Advanced Level units

62.523 Advanced HPS A

Prerequisite: Completion of twelve Arts or other approved units, including at least two HPS units at Credit Level or better, unless otherwise determined by the Head of School.

Two approved Upper Level units together with additional work in the philosophy and/or methodology of science as determined by the Head of School.

62.533 Advanced HPS B

Prerequisite: Completion of at least two Level I units in mathematics or an approved science. Co-requisite: Advanced HPS A.

Two approved Upper Level units together with additional work in history and philosophy of science as determined by the Head of School.

Honours Level units

62.604 HPS (Honours)

In addition to general Faculty requirements, the prerequisite for admission as a candidate for Combined Special Honours is the completion of 62.523 Advanced HPS A at Credit Level or better, and for Special Honours completion of 62.523 Advanced HPS A and 62.533 Advanced HPS B at Credit Level or better.

The Honours course comprises a number of two-hour seminars of one session duration, arranged into two groups as follows:

1. *General Subject*
Honours Philosophy of Science.

2. *Special Subjects*
To be determined.

Special Honours candidates take the general subject, together with *either* three of the special subjects *or* (with the approval of the Head of the School) one special subject plus an Upper Level unit not previously completed, and, in addition, present a thesis. Combined Special Honours candidates take two subjects, including the general subject, as determined by the Head of School, and, in addition, present a thesis.

The program of students taking 62.604 as the whole or part of an MA Qualifying Course is determined by the Head of School. In all cases the program, in addition to other components, includes at least two fourth year subjects and *either* a thesis *or* a substantial research paper or papers.

Industrial Relations

Undergraduate Study

15.511 Industrial Relations IA
Level I units.

A multi-disciplinary introduction to a range of important concepts and issues in industrial relations. The political, social, economic, legal, historical and psychological aspects of the evolution and operation of modern employer/employee relations. Material is drawn from both Australian and overseas experience. Topics covered include the nature and implications of: strikes, lockouts and other forms of industrial conflict and alienation; the structure and policies of State and Federal trade unions, the State labor councils and such peak organizations as the Australian Council of Trade Unions and the Australian Council of Salaried Professional Associations; the employer industrial relations function and the structure and policies of employer associations; processes of work rule determination, such as collective bargaining, mediation, conciliation and compulsory arbitration; labour movements; and the role of the various arbitration tribunals and government instrumentalities with respect to industrial relations.

Upper Level units

15.525 Industrial Relations IIA
The development and operation of industrial relations systems overseas, with special attention to their relevance and applicability to the Australian context. Topics covered include: the role of trade unions, employer bodies and government labour policies; the nature of industrial conflict and procedures utilised for its resolution; and evaluation of alternative systems of labour-management relations at the plant, industry and national level.

Specific countries studied include the United States, England, France, Germany, India, Singapore and Japan.

15.528 Industrial Relations IIA (Honours)
For students in the Industrial Relations Honours program; includes the content of 15.525, with an additional two hour seminar each week providing a more advanced treatment of industrial relations issues in particular countries.

15.526 Industrial Relations IIB
The structure, policies and operation of institutions important to the Australian industrial relations systems. Topics: the origins and operation of the Australian Conciliation and Arbitration Commission and other industrial relations tribunals operating at the national level; the origins and operation of the State industrial tribunals, including the New South Wales Industrial Commission, and the Victorian and Tasmanian wages boards; the origins, evolution and structure of Australian trade unionism; trade union non-industrial activities (green bans, economic enterprises, etc.); amalgamation and other forms of institutional rationalization; union and management industrial relations training/education; the employer

industrial relations and personnel function, and the origin and operation of employer associations; the industrial relations role of non-industrial bodies; the functions of government instrumentalities and the impact of government policies; the role of governments as employers and public sector unionism; and the role in Australia of international bodies such as the International Labor Office, the Organization for Economic Cooperation and Development, and the International Confederation of Free Trade Unions.

15.529   Industrial Relations IIB (Honours)

For students in the Industrial Relations Honours program. Includes the content of 15.526, with an additional two hour seminar each week providing a more advanced treatment of the structure and policies of institutions important to the Australian industrial relations system.

15.534   Industrial Relations IIIA

Methods and procedures in industrial relations conflict resolution. A number of techniques are examined from Australian and overseas experience, including collective bargaining, productivity bargaining, conciliation, mediation, and compulsory, voluntary and final offer arbitration. Each of these procedures is examined with respect to their: form and character; acceptability to employers, unions, government policy and public interest; effectiveness in conflict resolution and attitude change; legal, cultural, economic, social and political implications; and relevance to grievance issues in contrast to the determination of work rules in an award/agreement context.

This subject aims to draw on a range of simulation exercise material, case studies from Australia and overseas, and films of conflict resolution procedures in operation.

15.538   Industrial Relations IIIA (Honours)

For students in the Industrial Relations Honours program. Includes the content of 15.534, with an additional two hour seminar each week providing a more advanced treatment of theory and procedures in arbitration, bargaining, conciliation and mediation.

15.535   Industrial Relations IIIB

Contemporary issues in Industrial Relations. Aims to integrate material covered in earlier courses with contemporary developments in Australian industrial relations. Draws on material generated from recent industrial relations research to examine a limited number of topics in depth. Small seminar groups are constituted; each with a set list of topics to be treated. These could cover such areas as: union amalgamation; incomes policy; manpower policy; productivity bargaining; worker participation; flexi-time and the shorter hours movement; developments in industrial relations legislation; multinationals and industrial relations; penal sanctions; labour market discrimination; or trade union training and education.

15.539   Industrial Relations IIIB (Honours)

For students in the Industrial Relations Honours program. Principles, procedures, techniques and data sources used for research in the field of industrial relations.

15.580   Industrial Relations IV (Honours)

For students in the Industrial Relations Honours program. A thesis and six segments: 1. Comparative Industrial Relations Developed Countries; 2. Industrial Relations Case Studies A and 3. Industrial Relations Project Seminar A, offered in first session, and in second session 4. Comparative Industrial Relations—Less Developed Countries, 5. Industrial Relations Case Studies B and 6. Industrial Relations Project Seminar B.

1. Comparative Industrial Relations: Developed Countries

A comparative analysis of industrial relations issues in a number of overseas countries in advanced stages of industrialization. The origins, evolution, structure, operation, problems and philosophy of industrial relations in the United Kingdom, the Soviet Union, and countries in North America and Western Europe.

2. Industrial Relations Case Studies A

A series of case studies to highlight a range of industrial relations issues at the plant or local level. Students also prepare their own case study for seminar presentation.

3. Industrial Relations Project Seminar A

An individual program of study for an in-depth examination of an established body of industrial relations literature. Subject to the availability of appropriate supervision, topics can be drawn from the mainstream of industrial relations literature or from the component disciplines including labour economics, industrial psychology, industrial law, industrial sociology and labour history.

4. Comparative Industrial Relations: Less Developed Countries

A comparative analysis of industrial relations issues in a number of countries at early and intermediate stages of economic development: the development of industrial labour forces; the evolution and functioning of institutions important to industrial relations; the role of government in labour markets; and the emergence of alternate patterns of labour-management relations.

5. Industrial Relations Case Studies B

A series of case studies to highlight a range of industrial relations issues at the industry and national level. Students also prepare their own case study for seminar presentation.

6. Industrial Relations Project Seminar B

An individual program of study for an in-depth examination of an established body of industrial relations literature. Subject to the availability of appropriate supervision, topics can be drawn from the mainstream of industrial relations literature or from the component disciplines including labour economics, industrial psychology, industrial law, industrial sociology and labour history.

7. Thesis

15.555   Labour Market Economics

The economics of the labour market. The theory of labour market operations and evaluates this in the light of a range of research evidence from Australia and overseas. Topics: the supply of labour, including work-leisure trade offs, hours of work, occupational choice and participation rates; demand for labour by the firm and industry with evaluation of the mar-

ginal productivity doctrine; unemployment, including the identification problem. Phillips Curve and manpower policy issues; underemployment in developed and less developed countries; labour mobility and migration; theory and structure of wages including the economic philosophy, history, and machinery of Australian wage determination, wage differentials, minimum wages and earnings drift; wages and incomes policies; and the economic theory and impact of trade unions including influence on GNP shares, relative wages, hours of work, employment and resource allocation.

15.556   Manpower Policy

May be offered in alternate years.

The origins, evolution and operation of Australian manpower policy, compared and contrasted with policies overseas. A range of issues in the development and deployment of human resources, including: human capital theory and its application; training, retraining and work assistance schemes; mobility programs, covering industrial, geographical and vocational labour mobility; occupational choice theory and practice; the nature and manpower implications of various forms of unemployment, including structural, frictional, seasonal and disguised or hidden unemployment; manpower projections and manpower planning, at the enterprise and national level; and labour market discrimination.

15.557   Wages and Incomes Policy

May be offered in alternate years.

The relationships between movements in wage and salary incomes to desired economic objectives. The formulation and administration of wages and incomes policies, and the role of trade unions, employers and government institutions. Overseas experience is examined to derive implications for Australian practices, institutions and policies. Topics: the evolution of wage concepts and standards; wage structure, relativities and differentials; trade union pushfulness and product pricing decisions; earnings drift; and principles and criteria for wage fixation, including capacity to pay, 'needs' elements, productivity gearing, minimum and social wage levels and manpower issues.

15.565   Industrial Relations Sociology

The sociological aspects of employer-employee relations and industrial work. This subject draws on major sociological views and theories to examine a range of industrial relations issues, including: job satisfaction, dissatisfaction and worker alienation; the role of money as a motivator in the job context; the nature and impact of bureaucracies in industrial relations; social aspects of occupation and retirement; work group identification and affiliation; social aspects of labour market operation, wages and unemployment; and attitudes to work.

15.566   Industrial Conflict

May be offered in alternate years.

The nature and significance of conflict in industrial relations situations. The theories of Marx, Dunlop, Parsons, Darendorf and others and assesses their applicability to a range of industrial relations issues, including: the dimensions of conflict; the functional and dysfunctional nature of industrial conflict; the debate between the 'order' and 'conflict' views of society; the relationship between conflict and the formation of 'classes' in society; the relationship between industrial

and political conflict; the regulation of conflict and its institutionalization; and the role of the State in conflict resolution and regulation.

15.567   Social Aspects of Work and Unionism

May be offered in alternate years.

The application of sociological principles to the study of trade unions and to the examination of the changing nature of work in industrial society. Topics covered include: authority structures in work situations; job redesign and enrichment; occupational structures; bureaucracy and democracy in trade unions; professionalism and the growth of white collar unionism; the social role of trade unions; worker and management attitudes to industrial relations issues; and discrimination and prejudice in the work context.

15.571   Industrial Relations Theory

May be offered in alternate years.

Theoretical treatment of the origins, evolution and operation of industrial relations systems. A range of explanations for labour movements, covering: the origin and development of trade unions; the goals and ideologies of labour institutions; the reasons for union participation; and the social and economic impact of trade unions.

Theories studied include: Bakunin's 'scientific' anarchism; Brentano's theory of Guilds and Unions; the ideas of Marx, Engels and Lenin; the Webb's concepts of Industrial Democracy; Tannenbaum's philosophy of labour; Commons' 'extension of the market'; Perlman and scarcity consciousness; Polyanyi's 'double movement'; and Kerr, Dunlop, Harbison and Myers, and the convergence theory.

This course further examines the Dunlop system's approach to industrial relations theory, and the contributions of Walker and others. It also treats the government 'interventionist' model, covering the ties between labour organizations and pro-labour political parties in less developed countries.

15.572   Industrial Democracy

Different forms of worker involvement in management decision-making in Australia, Western Europe, Yugoslavia and North America. Topics include: concepts of industrial democracy, such as joint consultation; worker participation in management; industrial co-determination and worker self-management; contemporary theories of industrial democracy; West Germany's co-determination system; Sweden's model of 'disciplined' democracy in industry; joint consultation in British industry; worker self-management in industrial enterprises in Yugoslavia; and Scanlon Plans and other forms of Union-management cooperation in the United States and Canada; and collective bargaining as an exercise in industrial democracy in the United Kingdom and the United States.

15.576   Labour History

May be offered in alternate years.

The origins and evolution in Australia to 1940 of labour movements, trade unions, employer bodies, conciliation and arbitration tribunals and other institutions important to the industrial relations system. Comparative attention is given to appropriate movements overseas.

15.574   Industrial Relations Methods

Designed to enable evaluation and acquisition of methods and skills utilized in industrial relations practice. Topics: the content and character of industrial awards and agreements; the preparation of logs of claim; industrial advocacy; tactics and techniques of negotiating and bargaining; data sources for wage, employment, productivity and other material important in industrial relations practice; and conciliation and arbitration procedures.

15.575   Industrial Relations Research Methodology

Principles, procedures, techniques and data sources used for research in the field of industrial relations.

Mathematics

While Mathematics as a major study is usually taken in the Science and Mathematics Course, it may also be taken in the Faculty of Arts.

Undergraduate Study†

First Year Mathematics

Level I units

10.001   Mathematics I

Prerequisite:	HSC Exam Percentile Range Required
2 unit Mathematics or	71-100
3 unit Mathematics or	11-100★★
4 unit Mathematics or 10.021B	1-100★

Excluded: 10.011, 10.021A, 10.021B, 10.021C.

Calculus, analysis, analytic geometry, linear algebra, an introduction to abstract algebra, elementary computing.

Note

This is the standard subject and is generally selected by students who intend to pursue further studies in mathematics.

10.011   Higher Mathematics I (Day course only)

Prerequisite:	HSC Exam Percentile Range Required
3 unit Mathematics or	71-100
4 unit Mathematics	1-100★

Excluded: 10.001, 10.021A, 10.021A, 10.021B, 10.021C.

Calculus, analysis, analytic geometry, linear algebra, an introduction to abstract algebra, elementary computing.

The same purpose as 10.001, but is aimed at the more mathematically able students, including those who may wish to take an honours degree in mathematics. Covers all the material in 10.001, plus other topics, at greater depth and sophistication.

While it is expected that students aiming at the Honours Level in mathematics will take this subject, it is equally valuable for any mathematically able student whose course requires a considerable amount of mathematics.

10.021A   General Mathematics IA*

Number systems (including absolute value, inequalities, surds, etc); co-ordinate geometry; polynomials, quadratics; concept of the function; trigonometric functions, logarithmic and indicial functions and their laws of operation; introduction to differentiation and integration with simple applications.

10.021B   General Mathematics IB

Prerequisite:	HSC Exam Percentile Range Required
2 unit Mathematics or	31-100★★★
3 unit Mathematics or	11-100★
4 unit Mathematics or 10.021A	1-100★

Excluded: 10.011, 10.001.

Functions (and their inverses), limits, asymptotes, continuity; differentiation and applications; integration, the definite integral and applications; inverse trigonometric functions; the logarithmic and exponential functions and applications; sequences and series; mathematical induction; the Binomial Theorem and applications; introduction to probability theory; introduction to 3-dimensional geometry; introduction to linear algebra.

10.021C   General Mathematics IC

Prerequisite: 10.021B. Excluded: 10.001, 10.011, 10.021A.

Techniques for integration, improper integrals; Taylors's Theorem; first order differential equations and applications; introduction to multivariable calculus; conics; finite sets; probability; vectors, matrices and linear equations.

†When a unit is listed as a prerequisite or co-requisite, the appropriate higher unit may be substituted.

*Entry to General Mathematics IA is allowed only with the permission of the Head of the School of Mathematics, and that permission will be given only to students who do not qualify to enter General Mathematics IB.

★Results in the percentile range 1-10 at a standard acceptable to the Professorial Board.

★★Results in the percentile range 11-30 at a standard acceptable to the Professorial Board.

★★★Results in the percentile range 31-70 at a standard acceptable to the Professorial Board.

10.021B and 10.021C is the usual course for students who do not intend studying mathematics beyond first year but whose studies require some knowledge of basic mathematical ideas and techniques.

Students who select 10.021B and 10.021C units should weigh seriously the implications of their choice because *no further mathematical units are normally available*. Students with meritorious performance in 10.021C may be permitted to proceed to a certain limited number of second-year mathematics subjects intended for biologists and chemical engineers.

Higher Level Mathematics

Many subjects in the School are offered at two levels. The Higher Level caters for students with superior mathematical ability. Where both levels are offered, the highest grade awarded in the Ordinary Level is Credit, except in exceptional cases.

Honours Courses in Mathematics

There are four separate fourth year honours courses: 10.123 Pure Mathematics IV, 10.223 Applied Mathematics IV, 10.323 Theory of Statistics IV and 10.423 Theoretical Mechanics IV.

The four-year course for an honours degree is intended primarily for professional pure mathematicians, statisticians or applied mathematicians, but is of interest also to intending specialists in mathematical areas of social sciences, physical sciences, and engineering. The minimum requirements for each honours course are given below but students seeking an honours degree in mathematics are advised to choose units or courses in mathematics according to their individual interests in consultation with senior members of staff of the School.

1. Honours Course in Pure Mathematics

In second year the student should attempt 10.121A, 10.1213, 10.1214, 10.121C Higher Pure Mathematics II, and 10.2211, 10.2212 Higher Applied Mathematics II. In third year the student should attempt 10.122A, 10.122B, 10.122C and 10.122E Higher Pure Mathematics III.

In all cases complementary units or subjects must be chosen in accordance with Faculty rules.

Since entry to Fourth Year is only with approval of the Head of School, students should discuss their third year programs with a Professor of the Department of Pure Mathematics. In special circumstances additional prerequisites may be required, or some of those listed may be waived.

2. Honours Course in Applied Mathematics

Students entering second year should attempt units 10.2211, 10.2212, 10.2213 and 10.2214 Higher Applied Mathematics II, 10.121A and 10.1213, 10.1214 Higher Pure Mathematics II, and at least two other higher level mathematics units.

In third year students should attempt 10.222A, 10.222L and 10.222M Higher Applied Mathematics III and at least two other level III mathematics units at least one of which must not be Pure Mathematics. The unit 10.122B Higher Pure Mathematics III is to be recommended.

Since entry to Fourth Year is only with approval of the Head of School, students should discuss their third year programs with a Professor of the Department of Applied Mathematics. In special circumstances additional prerequisites may be required, or some of those listed may be waived.

3. Honours Course in Statistics

In second year the student should take 10.321A and 10.321B Higher Theory of Statistics II, 10.111A and 10.1113, 10.1114 Pure Mathematics II, or 10.121A and 10.1213, 10.1214 Higher Pure Mathematics II, and 10.2111, 10.2112 Applied Mathematics II or 10.2211, 10.2212 Higher Applied Mathematics II, the student is strongly recommended to take also 6.600 Introduction to Computers, or 6.620 Introduction to Computer Science (for students planning to take Level III Computer Science units).

In third year a student should take four of the five units 10.322A, B, C, D, E, together with three other Mathematics or Computer Science units (eg from 10.222L/10.212L, 10.1122/10.122A, 10.122B/10.1128, 10.1129, 10.122E/10.1125, 10.1126, 6.602C).

In all cases complementary units or subjects must be chosen in accordance with Faculty rules.

Since entry to Fourth Year is only with approval of the Head of School, students should discuss their third year programs with a Professor of the Department of Statistics. In special circumstances additional prerequisites may be required, or some of those listed may be waived.

4. Honours Course in Theoretical Mechanics

In second year the student should attempt 10.2211, 10.2212, 10.421B, 10.421A, 10.121A (or 10.111A) and 10.1213, 10.1214.

In third year the student should attempt 10.442D, 10.442B, 10.422A and 10.222C plus at least two units chosen from 10.412A, 10.222A or 10.212A, 10.2213 and 10.2214 or 10.2113 and 10.2114 (could be taken in 2nd year), 10.122B, 10.122E or (10.1125 and 10.1126).

In the fourth year students take advanced lectures on mechanics and its applications together with lectures on mathematical techniques. Subjects from other Departments or Schools are also usually prescribed.

Since entry to Fourth Year is only with approval of the Head of School, students should discuss their third year programs with a Professor of the Department of Theoretical Mechanics. In special circumstances additional prerequisites may be required, or some of those listed may be waived.

Students with Low Mathematical Qualifications

The School of Mathematics arranges a Bridging Course in Mathematics for those students intending to enrol in Mathematics I and who have inadequate mathematical background. The Bridging Course covers the gap between 2 unit and 3 unit Mathematics and is a very useful refresher course generally. The course will be held at the University during the period January to February 1979.

Attention is also directed to the Calculus Bridging Course given over the University of N.S.W. Radio Station VL2UV. The radio course explains the ideas of Calculus and assumes no previous knowledge of the subject.

Conversion Course in Mathematics

A Conversion Course in Mathematics is to take place in January/February, 1979. The conversion course is designed to assist new students who have not satisfied the prerequisites for enrolment in First Year Mathematics when it is a compulsory subject of their prospective degree course. Students who successfully undertake the conversion course will be considered to have satisfied these prerequisites.

The course is an intensive one beginning just after the notification of the HSC results and runs for about 5½ weeks, ie almost to the first year enrolment period. Examinations are held during the conversion course to assess the improved levels of attainment in Mathematics.

Mathematics Prizes

There are prizes available for certain courses in the School of Mathematics. They are open to all Kensington students proceeding to an undergraduate degree or diploma but will not be awarded if there is no candidate of sufficient merit. An award of $25 and a suitably inscribed certificate are available in the following subjects: Mathematics I, Higher Mathematics I, Higher Pure Mathematics II, Higher Applied Mathematics II, Higher Pure Mathematics III, Higher Applied Mathematics III.

Similarly, there are prizes of up to $50 available in Theory of Statistics subjects.

Upper Level units

10.041* Introduction to Applied Mathematics

Co-requisite: 10.001.

Combinatorial mathematics, finite differences, games and networks, hydrostatics, mathematical models.

Level II units

10.111A Pure Mathematics II—Linear Algebra

Prerequisite: 10.001.

Vector spaces, linear transformations and matrices, change of basis. Eigenvalues and eigenvectors, generalized eigenvectors. Functions of matrices. Linear systems of differential equations including the use of Laplace transform. Inner products, orthogonalization, projections. Unitary and self-adjoint transformations. Quadratic and Hermitian forms.

10.1111 Pure Mathematics II—Group Theory

Prerequisite: 10.001. Co-requisites: 10.111A, 10.1113, 10.1114, 10.2111, 10.2112.

Mathematical systems, groups, determination of small groups, homomorphisms and normal subgroups.

10.1112 Pure Mathematics II—Geometry

Prerequisite: 10.001. Co-requisite: 10.1111.

Elementary concepts of Euclidean, affine and projective geometries.

10.1113 Pure Mathematics II—Multivariable Calculus

Prerequisite: 10.001.

Multiple integrals, partial differentiation. Analysis of real valued functions of one and several variables.

10.1114 Pure Mathematics II—Complex Analysis

Prerequisite: 10.001.

Analytic functions, Taylor and Laurent series, integrals. Cauchy's Theorem, residues, evaluation of certain real integrals.

10.121A Higher Pure Mathematics II—Algebra

Prerequisite: 10.011.

Linear Algebra: vector spaces, commutative rings, polynomials, modules, linear transformations, eigenvectors, invariant subspaces, canonical forms, linear functions, bilinear and multi-linear algebra. Group Theory: sub-groups, quotient groups, isomorphisms, Lagrange's theorem, Sylow's theorem.

10.121C Higher Pure Mathematics II—Number Theory and Geometry

Prerequisite: 10.011. Co-requisites: 10.121A, 10.1213, 10.1214, 10.2211 or 10.2111 and 10.2212 or 10.2112.

Galois fields, quadratic reciprocity, quadratic forms, continued fractions, number theoretic functions, axioms for a geometry, affine geometry, Desargues' theorem, projective geometry.

10.1213 Higher Pure Mathematics II—Multivariable Calculus

Prerequisite: 10.011.

As for 10.1113 but in greater depth.

10.1214 Higher Pure Mathematics II— Complex Analysis

Prerequisite: 10.1213.

As for 10.1114 but in greater depth.

10.2111 Applied Mathematics II—Vector Calculus

Prerequisite: 10.001.

Vector fields; divergence, gradient, curl of a vector; line, surface, and volume integrals. Gauss' and Stokes' theorems. Curvilinear coordinates.

10.2112 Applied Mathematics II—Mathematical Methods for Differential Equations

Prerequisite: 10.001.

Series solution of ordinary differential equations; numerical methods. Partial differential equations: separation of variables. Fourier series, Bessel functions.

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*Not offered 1979.

Note: 10.1113 (10.1213) and 10.1114 (10.1214) together replace 10.111B (10.121B), 10.2111 (10.2211) and 10.2112 (10.2212) together replace 10.211A (10.221A).

10.2113 Applied Mathematics II—Introduction to Linear Programming

Prerequisite: 10.001.

Mathematical expression of practical optimization problems. Calculus methods for simple problems. Feasible regions and graphical methods. Linear programming: the standard problem, basic solutions, fundamental theorem, simplex tableau, initial solution, unbounded and multiple solutions, degeneracy, duality. (Time permitting: the dual simplex method, post optimal analysis.)

10.2114 Applied Mathematics II—Linear and Non-Linear Optimization Techniques

Prerequisite: 10.2113.

Linear programming: the dual simplex method, post optimal analysis, interger linear programming. Applications of linear programming including diet, allocation and transport problems.

Brief introduction to non-linear programming. Simple numerical methods.

10.2211 Higher Applied Mathematics II—Vector Analysis

Prerequisite: 10.011 or 10.001 Dist.

As for 10.2111 but in greater depth.

10.2212 Higher Applied Mathematics II—Mathematical Methods for Differential Equations

Prerequisite: 10:2211.

As for 10.2112 but in greater depth.

10.2213 Higher Applied Mathematics II—Introduction to Linear Programming

Prerequisite: 10.011 or 10.001 (Dist.).

Mathematical expression of practical optimization problems. Calculus methods for simple problems. Feasible regions.

Linear programming: the standard problem, basic solutions, fundamental theorem; simplex tableau, initial solution, unbounded and multiple solutions, degeneracy, revised simplex method, duality, dual simplex method, post optimal analysis.

10.2214 Higher Mathematics II—Linear and Non-Linear Optimization Techniques

Prerequisite: 10.2213.

Linear programming: reduction of linear inequalities, interger linear programming. Applications of linear programming including diet, allocation and transport problems. Linear programming in economic analysis, including the theory of the firm and general equilibrium theory. Brief introduction to non-linear programming. Simple numerical methods.

10.411A Theoretical Mechanics II—Hydrodynamics

Prerequisite: 10.001. Co-requisites: 10.411B or 1.012, 10.1114.

Conservation laws and Bernoulli's equation for one-dimensional flow. Equations of continuity and Euler's equation. Kelvin's theorem. Incompressible, irrotational flow in two and three dimensions, including applications of complex variables, method of images, harmonic functions, and axially symmetric flow. Introduction to compressible and viscous fluids.

10.411B Theoretical Mechanics II—Principles of Theoretical Mechanics

Prerequisites: 10.001, 1.001 or 10.041 or 5.010. Co-requisites: 10.2111, 10.2112, 10.1113.

Revision of vectors, kinematics of particles and rigid bodies. Dynamics of particles including simple harmonic and projectile motion. Systems of particles: conservation principles, collisions, rocket motion, the catenary. Work and energy. Rotating frames; moments of inertia.

Elementary problems derived from continuum mechanics including conservation laws, one-dimensional fluid flow, extension and bending of beams.

10.421A Higher Theoretical Mechanics II—Hydrodynamics

Prerequisite: 10.011 or 10.001 Dist. Co-requisites: 10.421B, 10.1114.

As for 10.411A but in greater depth.

10.421B Higher Theoretical Mechanics II—Principles of Theoretical Mechanics

Prerequisites: 10.011 or 10.001 Dist., 1.001 or 10.041 or 5.010. Co-requisites: 10.2211, 10.2212, 10.1113.

As for 0.411B but in greater depth.

Level III units

10.112C Pure Mathematics III—Differential Geometry

*Prerequisites: 10.111A, 10.1113. Co-requisites: ***.*

Curves and surfaces in space. Differential forms. Frame fields. Gaussian curvature, Gauss-Bonnet theorem.

10.1121 Pure Mathematics III—Number Theory

*Prerequisites: ***.*

Euclidean algorithm, congruences, sums of squares, diophantine equations.

Note: 10.1113 (10.1213) and 10.1114 (10.1214) together replace 10.111B (10.121B). 10.2111 (10.2211) and 10.2112 (10.2212) together replace 10.211A (10.221A).

***Students are not normally permitted to attempt a Level III Pure Mathematics unit unless they have completed at least two Level II units from 10.111A, 10.1113, 10.1114, 10.2111 and 10.2112 and are concurrently attempting the remaining unit.

10.1122 Pure Mathematics III—Algebra

Prerequisite: 10.111A. Co-requisite: 10.1111.

Rings, polynomials, fields.

10.1123 Pure Mathematics III—Set Theory

*Prerequisites: ***.*

Intuitive and axiomatic Set Theory. Cardinal and ordinal numbers. The axiom of choice.

10.1124 Pure Mathematics III—Combinatorial Topology

*Prerequisites: ***.*

Elementary combinatorial topology of surfaces.

10.1125 Pure Mathematics III—Ordinary Differential Equations

*Prerequisites: ***.*

Systems of ordinary differential equations; variations of constants formula; stability; Poincaré space; Lyapunov's direct method.

10.1126 Pure Mathematics III—Partial Differential Equations

Prerequisites: 10.1113, 10.1114. Co-requisite: 10.1125.

Systems of partial differential equations; characteristic surfaces; classifications; Cauchy problem; Dirichlet and Neumann problems; the maximum principle; Poisson's formula; conformal mapping.

10.1127 Pure Mathematics III—History of Mathematics

Prerequisites: 10.111A, 10.1113, 10.1114, 10.2111, 10.2112.

Topics from the History of Mathematics, with emphasis on the development of those ideas and techniques used in undergraduate courses. Students are expected to read widely and to present written material based on their readings.

10.1128 Pure Mathematics III—Foundations of Calculus

*Prerequisites: ***.*

Properties of the real numbers. Convergence of sequences and series. Properties of continuous and differentiable functions of a real variable.

10.1129 Pure Mathematics III—Real Analysis

Prerequisites: 10.2112, 10.1128.

Taylor's Theorem. Sequences and series of functions and applications. Metric spaces and the contraction mapping principle. Fourier Series.

10.122A Higher Pure Mathematics III—Algebra

Prerequisite: 10.121A.

Field theory and theory of rings and modules.

10.122B Higher Pure Mathematics III—Integration and Functional Analysis

Prerequisite: 10.1213.

Lebesgue Integration; Fourier series; normed vector spaces; Hilbert spaces; measure theory.

10.122C Higher Pure Mathematics III—Topology and Differential Geometry

Prerequisites: 10.121A, 10.1213.

The axiom of choice, metric and topological spaces, compactness. Compact surfaces, triangulations, geodesics, Gauss-Bonet theorem.

10.122E Higher Pure Mathematics III—Complex Analysis and Differential Equations

Prerequisites: 10.1213, 10.1214.

Analytic continuation; entire and meromorphic functions; elliptic functions; normal families and further advanced topics in complex analysis. Existence and uniqueness theorems for ordinary differential equations; linear systems; qualitative theory of autonomous systems; equations on manifolds.

10.212A Applied Mathematics III—Numerical Analysis

Prerequisites: 10.111A, 10.2111, 10.2112.

Polynomial approximation, interpolation and extrapolation, numerical quadrature, solution of ordinary differential equations, sets of linear equations, matrix eigenvalues and eigenvectors, boundary value problems, partial differential equations. Practical work using a computer.

10.212L Applied Mathematics III—Optimization Methods

Prerequisite: 10.1113†.

Unconstrained multivariables search procedures; including steepest descent, D-F-P method, Hooke and Jeeves method. Constrained optimization; including convexity, Lagrange multipliers, Kuhn-Tucker conditions, duality, simple constrained search methods, penalty functions. Special methods; including geometric programming, separable programming, branch and bound. Applications of these methods to resource allocation, production problems, capital investment and economic models.

***Students are not normally permitted to attempt a Level III Pure Mathematics unit unless they have completed at least two Level II units from 10.111A, 10.1113, 10.1114, 10.2111 and 10.2112, and are concurrently attempting the remaining unit.

†At least one further unit chosen from the following:
10.111A, 10.1114, 10.2111, 10.2112, 10.2113.

Note: 10.1113 (10.1213) and 10.1114 (10.1214) together replace 10.111B (10.121B). 10.2111 (10.2211) and 10.2112 (10.2212) together replace 10.211A (10.221A).

10.212M Applied Mathematics III—Optimal Control Theory

Prerequisites: 10.1113 and 10.1114, 10.111A or 10.2113.

Optimal control of systems described by difference equations, continuous-time dynamic programming, calculus of variations, Pontryagin maximum principle, stochastic decision processes. Applications of control theory to resource allocation, control of production, investment, inventory, and advertising, and to models of the economy.

10.222A Higher Applied Mathematics III—Numerical Analysis

Prerequisites: 10.2211 or 10.2111 Dist., 10.2212 or 10.2112 Dist., 10.121A or 10.111A Dist.

As for 10.212A but in greater depth.

10.222C Higher Applied Mathematics III—Maxwell's Equations and Special Relativity

Prerequisites: 10.2211 or 10.2111 Dist., 10.2212 or 10.2112 Dist., 10.1213 or 10.1113 Dist., 10.1214 or 10.1114 Dist., 1.001.

Electrostatic and quasi-static magnetic fields: mathematical formulation of basic laws, field equations; methods of solution, general theorems, polarization, energy and mechanical forces. Electromagnetic fields: Maxwell's equations, Poynting theorem, Maxwell stress tensor, electromagnetic momentum and radiation pressure, electromagnetic potentials, radiation, vector wave equation, solutions, cavity resonators, waveguides.

Relativity: relativistic kinematics, dynamics and electrodynamics, radiation from moving charges, radiation damping.

10.222F Higher Applied Mathematics III—Quantum Mechanics

Prerequisites: 10.2211 or 10.2111 Dist., 10.2212 or 10.2112 Dist., 10.121A or 10.111A Dist., 10.1213 or 10.1113 Dist., 10.1214 or 10.1114 Dist.

Review of physical basis for quantum mechanics, simple harmonic oscillator, hydrogen atom. General formalism, angular momentum, perturbation theory and other approximation methods. Scattering problems.

10.222L Higher Applied Mathematics III—Optimization Methods

Prerequisite: 10.1213 or 10.1113 (Dist.)*.

As for 10.212L but in greater depth.

10.222M Higher Applied Mathematics III—Optimal Control Theory

Prerequisites: 10.1213 or 10.1113 (Dist.), 10.1214 or 10.1114 (Dist.), 10.121A or 10.111A (Dist.) or 10.2213 or 10.2113 (Dist.).

As for 10.212M but in greater depth.

10.412A Theoretical Mechanics III—Dynamical and Physical Oceanography

Prerequisites: 10.2111, 10.2112, 1.001. It is recommended that one of the following be taken concurrently: 10.411A or 1.012 or 1.913.

A The physical properties of the oceans and their measurement, including: salinity, temperature, density, dynamic heights. Currents, waves and tides.
B Theoretical models of current and waves.
Up to seven days field/laboratory work per year.

10.412B Theoretical Mechanics III—Continuum Mechanics

Prerequisites: 10.2111, 10.2112, 10.111A, 10.1113, 10.1114. Co-requisite: 10.411A or 1.012 or 1.913.

Cartesian tensors, stress and strain in continuous media. Equations of equilibrium and motion. Equations of elasticity. Bending and torsion of beams. Plane elasticity (if time available). Viscous flow of liquids (if time available).

10.412D Theoretical Mechanics III—Mathematical Methods

Prerequisites: 10.2112, 10.111A, 10.1113, 10.1114.

Sturm-Liouville equation, eigenvalues, expansion in orthonormal functions. Fourier, Fourier-Bessel and Legendre series as special cases. Fourier and Laplace transforms, with application to ordinary and partial differential equations. Diffusion equation and transmission-line equation. Wave equation.

10.422A Higher Theoretical Mechanics III—Fluid Dynamics

Prerequisites: 10.421A or 10.411A Dist. Co-requisite: 10.422B.

Compressible flow, viscous flow, boundary layers, hydrodynamic stability, simple wave motions in fluids.

10.422B Higher Theoretical Mechanics III— Mechanics of Solids

Prerequisites: 10.111A, 10.1113, 10.1114, 10.2111, 10.2112, 10.421B or 10.411B Dist., or 1.012.

As for 10.412B but in greater depth.

10.422D Higher Theoretical Mechanics III— Mathematical Methods

Prerequisites: 10.2211 or 10.2111 Dist., 10.2212 or 10.2112 Dist., 10.1213 or 10.1113 Dist., 10.1214 or 10.1114 Dist.

Revision of functions of a complex variable, contour integration. Asymptotic expansions with applications to special functions. Methods of steepest descent and stationary phase.

*At least 1½ further units chosen from the following: 10.121A or 10.111A (Dist.), 10.1214 or 10.1114 (Dist.), 10.2211 or 10.2111 (Dist.), 10.2212 or 10.2112 (Dist.), 10.2213 or 10.2113 (Dist.), 10.2214 or 10.2114 (Dist.).

Note: 10.1113 (10.1213) and 10.1114 (10.1214) together replace 10.111B (10.121B). 10.2111 (10.2211) and 10.2112 (10.2212) together replace 10.211A (10.221A).

Fourier transform and Laplace transform, with applications to differential and integral equations. Generalized functions and asymptotic estimation of Fourier integrals. Applications to solutions and partial differential equations of the first and second order.

10.123   Pure Mathematics IV (Honours)

An honours program consisting of the preparation of an undergraduate thesis together with advanced lecture courses on topics chosen from fields of current interest in Pure Mathematics. With the permission of the Head of Department, the subject may also include advanced lecture courses given by other Departments or Schools.

10.223   Applied Mathematics IV

An honours program consisting of the preparation of an undergraduate thesis together with advanced lecture courses. Lecture topics include selections from: advanced optimization and control theory; functional analysis and applications; numerical analysis; mathematics of economic models and of economic prediction; stability theory of differential and differential-difference equations; stochastic processes; statistical mechanics; quantum physics; astro-physics. With permission of the Head of Department, the subject may also include advanced lecture courses given by other Departments or Schools.

10.423   Theoretical Mechanics IV

An honours program consisting of the preparation of an undergraduate thesis together with advanced lecture courses on topics chosen from fluid mechanics, solid mechanics, planetary science and special mathematical and numerical techniques applied to partial differential equations. With the permission of the Head of Department, the subject may also include advanced lecture courses given by other Departments or Schools on topics such as optimal control theory, optimization theory, thermodynamics, numerical analysis or statistics.

Statistics

10.311A§ Theory of Statistics II—Probability and Random Variables

Prerequisites: 10.001 or 10.021C(Cr).

An introduction to an axiomatic treatment of probability. Variates (univariates, multivariates, expectations, moment generating and characteristic functions). Standard distributions. Sampling distributions.

10.311B   Theory of Statistics II—Basic Inference

Prerequisite: 10.311A.

Point estimation (moments, maximum likelihood, minimum x^2, etc.). Confidence interval estimation, exact and approximate. Elementary Neyman-Pearson theory of tests of significance, standard significance tests. Regression (including curvilinear) on a single fixed variable.

10.321A   Higher Theory of Statistics II—Probability and Random Variables

Prerequisite: 10.001.

10.311A at greater depth and covering a slightly wider field.

10.321B   Higher Theory of Statistics II—Basic Inference

Prerequisite: 10.321A.

As for 10.311B at greater depth, and covering a slightly wider field.

10.331   Statistics SS

Prerequisite: 10.001 or 10.021C(Cr).

The theory of probability, with finite, discrete and continuous sample spaces. The standard elementary univariate distributions: binomial, Poisson and normal; an introducton to multivariate distributions. Standard sampling distributions, including those of x^2, t and F. Estimation by moments and maximum likelihood (including sampling variance formulae, and regression); confidence interval estimation. The standard tests of significance based on the above distributions, with a discussion of power where appropriate. Experimental design; fixed, random and mixed models, involving multiple comparisons and estimation of variance components.

10.312A   Theory of Statistics III—Probability and Stochastic Processes

Prerequisites: 10.311A, 10.111A, 10.1113, 10.2112.

Elementary treatment of probability and moment generating functions and characteristic functions. Convergence in distribution. Central Limit Theorem. Convergence in probability. Weak law of large numbers. Poisson processes. Elementary treatment of Markov chains. Birth-and-death processes. Queueing theory.

10.312B   Theory of Statistics III—Experimental Design (Applications) and Sampling

Prerequisite: 10.311B or 10.331 (normally (Cr)).

Principles of good experimental design. Completely randomized experiment, randomized block experiment in detail. Latin squares. Contrasts. Analysis of factorial experiments. Multiple comparison methods. Random models. Split plot design. Sampling theory.

10.312C   Theory of Statistics III—Experimental Design (Theory)

Prerequisites: 10.311B, 10.111A, 10.1113, 10.2112. Co-requisites: 10.312B, plus any two Level III Pure Mathematics or Applied Mathematics or Theoretical Mechanics units.

Matrix theory. Cochran-James theorem. Multivariate normal. Quadratic forms. Independence. The General Linear Hypothesis. Gauss-Markov theorem. Hypothesis testing. Analysis of variance.

§Subject to a sufficient enrolment, the evening course for 10.311A is run at 3½ hours per week throughout the year.

10.312D Theory of Statistics III—Probability Theory

Prerequisites: 10.311A, 10.111A, 10.1113, 10.2112.

Rigorous treatment of probability and moment generating functions and characteristic functions. Convergence in probability. Weak law of large numbers. Almost sure convergence. Strong law of large numbers. Compound distributions. Branching processes. Advanced treatment of Markov chains. Markov chains with continuous parameter.

10.312E Theory of Statistics III—Statistical Inference

Prerequisites: 10.311B, 10.111A, 10.1113, 10.2112. Co-requisites: Any two Level III Pure Mathematics or Applied Mathematics or Theoretical Mechanics units.

Bayesian inference and decision theory. Classical inference. Contingency tables (large sample and exact tests). Order Statistics. Non-parametric methods.

10.322A Higher Theory of Statistics III—Probability and Stochastic Processes

Prerequisites: 10.321A, 10.111A, 10.1113, 10.1114, 10.2112.

As for 10.312A, but in greater depth.

10.322B Higher Theory of Statistics III—Experimental Design (Applications) and Sampling

Prerequisites: 10.321B, 10.111A, 10.1113, 10.1114, 10.2112.

As for 10.312B, but in greater depth.

10.322C Higher Theory of Statistics III—Experimental Design (Theory)

Prerequisites: 10.321B, 10.111A, 10.1113, 10.1114, 10.2112. Co-requisites: 10.322B plus any two Level III Pure Mathematics or Applied Mathematics or Theoretical Mechanics units.

As for 10.312C, but in greater depth.

10.322D Higher Theory of Statistics III—Probability Theory

Prerequisites: 10.321A, 10.111A, 10.1113, 10.1114, 10.2112.

As for 10.312D, but in greater depth.

10.322E Higher Theory of Statistics III—Statistical Inference

Prerequisites: 10.321A, 10.111A, 10.1113, 10.1114, 10.2112. Co-requisites: Any two Level III Pure Mathematics or Applied Mathematics or Theoretical Mechanics units.

As for 10.312E but in greater depth.

10.323 Theory of Statistics IV (Honours)

Specialized study, from the topics set out, for students attempting honours in the Science and Mathematics or Arts courses with a major in Statistics. Mathematical basis. Experimental design; response surfaces. Stochastic processes. Theories of inference. Sequential analysis. Non-parametric methods. Multi-variate analysis. Mathematical programming. Information theory. Discrete distributions. Project.

Graduate Study

10.062G Advanced Mathematics General

For research workers throughout the University requiring employment of advanced mathematics. Topics vary from year to year according to demand and interest.

10.073G Advanced Mathematical Analysis of Data

Develops aspects of transform, representation and distribution theory and applies them to the processing and evaluation of discrete sample values of one and two-dimensional functions. **1.** Pulse and ramp functions (sinc, Gaussian, diffraction, error, sine integral, etc). **2.** Schwartz distributions (Heaviside, delta, sign, etc; Fourier test function; Gibbs' phenomenon; generalised limits). **3.** Spectral and other properties of functions and distributions (time and band limited functions). **4.** General nature of transforms (substitution, orthogonal, Fourier, Hilbert, and singular kernels). **5.** Sampling of functions (sampling interval, truncation effects, cotabular functions, fold frequency, aliasing.) **6.** Filters and windows; noisy data; implications of smoothing; measure of roughness. **7.** Representation of functions (Fourier, Chebychev, Lagrange, etc. Sampling Theorem and the alias.) **8.** Interpolation in one and two dimensions (truncation errors, plotting or profiles and contours).

10.181G Advanced Analysis

Functions and relations. Continuous functions on compact intervals; least upper bound and greatest lower bound, review of derivatives; the Riemann integral; sets of measure zero and the Cantor set; characterization of integrable functions, the Fundamental Theorem of Calculus; sequences of reals—lim sup, lim inf, Cauchy sequences; Bolzano-Weiestrass and the Cauchy Principle of Convergence; sequences of functions; pointwise convergence, need for uniform convergence; Cauchy sequences of functions; interchange of various limit operations; pointwise uniform and mean convergence of Fourier series; Cauchy sequences in the mean; need for Lebesgue integral; construction of the reals via Cauchy sequences; completions in general.

10.182G Characters and Crystals

Aims to show that the concepts of group, field and vector space are central to algebra and have application in other branches of mathematics and elsewhere. Topics covered to be selected from: Elementary concepts, subgroups, cosets, Lagrange's theorem, conjugacy, normality, factor groups and Sylow's theorem illustrated by examples from both finite and infinite group theory.

Field extensions as vector spaces. Relationship between field extensions and classical constructibility problems (eg trisection of angles). The Galois group of a normal extension of the rationals. Soluble groups and relationship to solubility of equations.

Group representations and characters. Properties of the character table of a finite group. Reflection of properties of the group in the character table. Applications to group theory, in physics and to the theory of crystals.

Note: 10.1113 (10.1213) and 10.1114 (10.1214) together replace 10.111B (10.121B). 10.2111 (10.2211) and 10.2112 (10.2212) together replace 10.211A (10.221A).

10.183G Geometry

Axiomatic treatment of projective planes up to Desargue's theorem. Pappus theorem and co-ordinatizability; Projective space of three dimensions, including deduction of Desargue's theorem from the incidence axioms. Quadric surfaces. Cubic surfaces. The 27 lines and their symmetry groups. Hyperbolic geometry (eg upper half plane) and elliptic geometry will be given as examples. Affine geometry. The projective and affine groups. The Euclidean regular solids and their symmetry groups. Symmetries of 'wall paper' designs.

10.184G Number Theory

Prime numbers, facts and conjectures, the Riemann zeta function, multiplicative functions and their generating functions.

Quadratic number fields, the unique factorization property, Pell's equation, the law of quadratic reciprocity, sums of squares, Fermat's last theorem.

Irrational and transcendental numbers, rational approximations, continued fractions.

10.185G Distributions

Physics, the δ-function and its derivatives; Fourier transform of 1; the classical operational calculus; principal values of divergent integrals; test functions; Schwartz distributions; convergence of distributions; differentiation of distributions; convergence of Fourier series; distributions solution of differential equations; convolutions; fundamental solutions of the classical partial differential equations; elliptic partial differential equations; Fourier transforms; general solutions of partial differential equations.

10.186G Hilbert Space

Vector spaces of functions; inner product spaces; completeness; Hilbert spaces; isomorphisms of Hilbert space; orthonormal systems and bases; weak convergence; bounded linear functionals and operators; spectrum; compact operators; integral equations; Fredholm alternative; Hermitian, normal and unitary operators; spectral theory of Hermitian operators; unbounded operators; eigenfunction expansions; applications to partial differential equations.

10.187G History of Mathematics

Major advances in mathematics since the Renaissance, with an emphasis on the period from 1815 to 1939. The evolution of mathematical concepts in various cultures.

10.188G Topology

Classification of compact surfaces; Winding numbers; Brouwer Fixed Point Theorem; Ham Sandwich Theorem; vector fields on surfaces; critical points on surface; network topology; boundaries and coboundaries.

10.189G Seminar

Each student submits a paper for discussion, usually on the teaching of a certain topic.

10.190G Graph Theory and Combinatories

Topics are chosen from: Graph theory. Basic concepts: isomorphism, adjacency matrix, connectedness, trees, digraphs, Euler and Hamiltonian circuits. Circuits, cutsets, spanning trees, incidence matrices, vector spaces associated with a group. Applications to electrical network analysis. Flows in networks, max-flow min-cut theorem. Planarity, duality, chromatic graphs and matching theory.

Combinatorial mathematics. Basic tools: permutations, combinations, generating functions, partitions, recurrence relations, difference equations, inclusion-exclusion. Block designs, Hadamard Matrices and finite geometries. Applications including the the dimer problem, the Ising model, telephone switching networks and algebraic coding theory. Polya counting theory with applications to enumerating isomers, trees, random walks on lattices, etc. Efficient algorithms to be compared with enumerative search methods.

10.191G Mathematics Education A

A seminar course centred around the questions Why? and What? as related to curriculum development and teaching of Mathematics.

10.192G Mathematics Education B

A seminar course centred around the question How? as related to curriculum development and teaching of Mathematics.

10.281G Mathematical Methods

Orthogonal systems of functions; completeness; (Legendre, Bessel, Hermite, Tchebycheff functions); integral equations (Hilbert-Schmidt theory); calculus of variations: Euler's necessary conditions; Dirichlet's problem; differential operators; Green's functions; eigenfunction expansions; Sturm-Liouville theory; vibrating rods, plates and membranes; continuous spectra: Schrödinger equations.

10.282G Mathematics of Optimization

Linear programming; elements of game theory; nonlinear programming; multistage decision problems and dynamic programming; introduction to optimal control; applications.

10.283G Quantum Mechanics

Development of Schrödinger equation; interpretation of wave functions, solutions of bound state problems using methods of partial differential equations for simple potentials: square well, harmonic oscillator, hydrogen atom; transformation theory; Schrödinger equation in momentum space; commutation relations; harmonic oscillator via creation and destruction operators; quantum theory of angular momentum; spin; addition of angular momenta; simple problems of energy levels and transitions treated by perturbation theory and group theory.

Note: 10.1113 (10.1213) and 10.1114 (10.1214) together replace 10.111B (10.121B). 10.2111 (10.2211) and 10.2112 (10.2212) together replace 10.211A (10.221A).

10.284G Relativity and Cosmology

Cartesian tensors, general tensors, covariant derivatives; Riemann-Christoffel curvature tensor; Christoffel symbols; geodesics; motivation for special relativity; Lorentz transformation; mass, momentum and energy; energy-momentum tensor; principle of equivalence; Einstein's law of gravitation; spherically symmetric metrics; Schwarzschild's solution; cosmological principle; static universes; evolutionary universes; steady state universe; observational cosmology.

10.372G Statistics and Experimental Design

The concepts of random variables, means, variances, the common tests and confidence intervals based on the normal distribution, some simple analyses of variance.

Comparative Experiments: Requirements of a good experiment, assumptions underlying the conventional models of standard designs and their analysis, purpose of randomization; how the physical circumstances of an experiment are related to its formal model on which its analysis is based; the internal estimate of error obtained from the variation left after accounting for all sources of systematic variation, these points illustrated by considering in some detail the fully randomized design, the randomized block design, the 2^2 factorial fully randomized design, and the fully randomized design with one concomitant variable.

Survey Sampling: the distinction between a survey sample and an experiment planned to compare a set of treatments, and how it affects the inferences that may be made; simple random sampling, stratified random sampling.

10.381G Experimental Design I

Modified designs for fixed effects models. Incomplete and balanced incomplete block designs. Confounding and fractional replication. Randomization theory. Multiple comparisons.

10.382G Experimental Design II

Extensive treatment of random and mixed models. Combinatorial structure of designs, cross-over and lattice designs, response surfaces.

10.383G Stochastic Processes

Discrete parameter, continuous time Markov processes. Brief survey of birth-and-death, immigration, epidemic and predator-prey processes. Introduction to dam and storage problems. Queueing processes. Diffusion approximations.

10.384G Time Series

Spectral estimates, discrete and continuous spectra. Periodogram analysis. Probability theory, special processes. Ergodicity, harmonic analysis and linear filters. Estimation and hypothesis testing.

10.385G Multivariate Analysis I

Likelihood ratio tests for means, variances and structure. Discriminant, principal component, canonical and factor analysis.

10.386G Multivariate Analysis II

The general linear hypothesis and analysis of dispersion. Tests based on roots, distribution theory.

10.387G Non-Experimental Statistics

Simple, stratified and systematic random sampling. Estimation of proportions, ratios, and sample sizes. Multi-stage sampling.

10.388G Sequential Analysis

The sequential probability ratio test—OC and ASN functions. General theory of sequential tests. Sequential estimation.

10.389G Non-Parametric Methods

Sign test, run tests, goodness-of-fit tests. Order statistics and range. Rank-order statistics. Wilcox and signed-rank tests, one- and two-way rank analyses of variance. Rank correlation. Randomization theory and permutation tests. Paired comparisons. Censoring and truncation.

10.390G Statistical Inference

Decision theory. General theory of estimation and hypothesis testing.

10.391G Special Topic A

To be arranged, eg biological statistics, further work on order statistics, population statistics, non-linear programming, discrete distribution theory.

10.392G Project

10.393G Special Topic B

To be arranged, eg biological statistics, advanced order statistics, population statistics, non-linear programming, discrete distribution theory and other topics.

10.401G Seiches and Tides

The equations of motion of a shallow liquid. Shallow water waves, oscillations of rectangular and circular lakes. The tides, their observation and measurement. Newton's equilibrium theory. Harmonic analysis and prediction. Local tides. Oscillations and resonance of harbours and bays.

10.481G Essay

Arts

+

Philosophy

Undergraduate Study

The study of philosophy is partly the study of perennial problems of common interest to everyone; for example, the foundations of morality, the grounds of religious belief, the source and reliability of knowledge, and the relation between body and mind. Philosophy also leans out to and illuminates other fields of study. Consequently units in philosophy are designed to make it possible for students to pursue a philosophical interest related to their other interests.

First Enrolment in Philosophy

New students will normally enrol in

52.103 Introductory Philosophy A (Session 1).
52.104 Introductory Philosophy B (Session 2).

Each of these has 1-unit value.

Students who do not take Philosophy in Session 1 may, however, still qualify for admission to Upper Level work by passing 52.104 Introductory Philosophy B in Session 2.

Students in their second or later year of study may proceed immediately to Upper Level work after passing 52.103 Introductory Philosophy A alone.

Upper and Advanced Level

Students may not proceed to Upper Level work in Philosophy in their first year of study in the Faculty. Students in later years may proceed to Upper Level work atfer passing one Level 1 unit in either session.

At Upper Level, Philosophy is presented in session-length 'half-units', some dealing with particular philosophical topics and others capable of being taken in sequences to give more sustained treatments of larger areas. This arrangement makes it possible to offer a wide range of half-units from which students may select freely, subject only to certain stipulations regarding prerequisites.

In certain circumstances the prerequisites specified for units or half-units within this list may be waived; for example, in the case of students who have already studied similar material in other Schools, or who wish to take isolated units or half-units relevant to another discipline without counting them as part of a Philosophy sequence. Students who feel they have a case for a concession of this kind should consult the School.

A major sequence in Philosophy is a sequence containing at least eight half-units (four units) at Upper Level. It is anticipated that Pass students taking a Philosophy major will normally enrol in two half-units in each session after completing relevant Level I studies. Besides the half-units offered by the School of Philosophy, the units
62.203 The Freudian Revolution;
62.503 Philosophy of Science

taught by the School of History and Philosophy of Science, may be counted towards a Philosophy major sequence as Upper Level units (each equivalent to two Philosophy half-units).

Selection of Units

Although students at Upper Level have a wide choice of units, they are recommended to plan a sequence of mutually relevant ones, taking into account the prerequisites of those they may wish to take later. Tabulated information and School recommendations are available at the School, and students needing assistance should consult the School personally.

Honours

The Honours double unit in Philosophy is designed for those who intend to devote themselves wholly to the subject. Students who wish to enrol in it are required to have completed Upper Level or Advanced Level units or half-units from among those that may be counted towards a major sequence in Philosophy, to a total of 6 units, with a good overall credit record and indications of ability at Distinction level or better; and at least 4 further units at Upper or Advanced Level.

It is intended that the student's degree of specialization shall increase throughout his/her course: in his/her fifth and sixth sessions the intending Honours student should expect to devote the greater part of his/her program to philosophy, to a maximum of 2½ units in each session.

Level I units

52.103   Introductory Philosophy A
Prerequisite: None.

An introductory course in philosophy.

Topics include: some arguments concerning the immortality of the soul; the problem of personal identity; the nature of Freud's theory of dream interpretation; whether scientific or non-scientific; objectivity, subjectivity and ideology.

52.104   Introductory Philosophy B
Prerequisite: None.

A further introductory course in philosophy.

Topics include: the logician's approach to language, reasoning and belief, the rise of modern scepticism and problems about the source of our knowledge; the nature of moral problems; deduction in modern formal logic and related problems of the ambiguity of natural languages.

Upper Level units

52.1531   Predicate Logic A
Prerequisite: Any Level 1 unit. Not available to students who have already taken 52.153 or 52.162.

A system of natural deduction is presented for the first order predicate calculus, including identity and definite descriptions. Emphasis is upon construction of formal derivations, methods of showing the invalidity of formal arguments, and the evaluation of informal arguments by symbolization.

52.1532 Predicate Logic B

Prerequisite: 52.1531*. Not available to students who have already taken 52.153.

A continuation of Predicate Logic A, including the theories of identity and of definite descriptions.

52.163 Descartes

Prerequisite: Upper Level status in Philosophy**.

The main issues raised in the philosophy of Descartes and their importance for the development of modern philosophy. Emphasis is on the *cogito ergo sum* argument, the Cartesian method and the search for rational certainty, his theory of ideas, the body-mind problem, and his account of freedom.

52.173 British Empiricism

Prerequisite: Upper Level status in Philosophy**.

A survey of the empiricist tradition with special concentration on Locke and Berkeley.

52.183 Greek Philosophy: Thales to Plato

Prerequisite: Upper Level status in Philosophy**.

The leading ideas of the Greek philosophers from Thales to Plato, with special reference to the Pre-Socratics.

52.193 Scientific Method

Prerequisite: Upper Level status in Philosophy**.

The nature of empirical knowledge as exemplified in the physical and social sciences and in history, with emphasis on the concept of explanation, the nature of induction and scientific laws, counterfactual statements, and the paradoxes of confirmation.

52.203 Classical Political Philosophy

Prerequisite: Upper Level status in Philosophy**. Not available to students who have already taken 52.182.

The basis of political society, its various functions and its relation to the individuals in it, investigated through the works of a number of historically central philosophers. Topics include the theory of a social contract, the establishment of political rights and obligations, and the relation of moral and political concerns within a political society.

52.213 Sartre

Prerequisite: 52.163.

An examination of Sartre's account of freedom, relations between persons and his social theory.

52.233 Argument.

Prerequisite: Upper Level status in Philosophy**.

A theoretical study of practical argumentation in the courtroom, politics and everyday life as compared with argument in logic, mathematics and theoretical science. Confirmation and probability, authority, testimony, precedent; rules of debate; criteria of validity; problem of mechanization of practical arguments; logical rationalism and scepticism.

52.263 Philosophy of Psychology

Prerequisite: 52.193.

A critical examination of some aspects of fundamental theory of psychology, with special emphasis on classical and contemporary behaviourism and behaviourist orientated psychology, and on the general conceptions of 'behaviour' and 'purpose'.

While Psychology I is not a prerequisite for this course, a preparatory survey of the introductory chapters of J. O. Whittaker's *Psychology* is of value to students.

52.273 Aesthetics

Prerequisite: Upper Level status in Philosophy**.

An examination of the central concepts, types of judgment and theories occurring in the fields of aesthetics, art criticism and literary criticism.

52.283 Philosophical Study of Woman

Prerequisite: Upper Level status in Philosophy **.

A discussion of crucial structures involved in women's situation.

52.293 Plato's Later Dialogues

Prerequisite: 52.483 Plato's Theory of Forms (or, by permission, a course covering similar material.)

A course centered round some of Plato's later dialogues, the *Theaetetus* and *Sophist* in particular.

52.303 Spinoza and Leibniz

Prerequisite: 52.163.

The main issues raised in the philosophy of the two great seventeenth century rationalists, with emphasis upon the development of their metaphysical systems in response to unresolved problems in the philosophy of Descartes and to contemporary scientific thinking. Their ethical views.

52.323 Set Theory

Prerequisite: 52.153 or 52.1532 or 26.812 or 10.001 or 10.011 or 10.021.

An axiomatic development of Zermelo-Fraenkel set theory, including a construction of the natural numbers, equinumerosity, ordinal and cardinal numbers, the axiom of choice and some of its consequences.

52.333 Philosophy of Perception

Prerequisite: 52.163 or 51.173.

What it is that we are directly aware of when we perceive something. Emphasis on twentieth-century sense-data theories and their critics.

**Upper Level status in Philosophy consists in 1. being in second or later year of university study, and 2. having taken and passed at least one Level I Philosophy unit. If the unit is composed of two half-units, these must have been passed in the same session. The prerequisite may be waived in certain cases by the School.

52.343   Privacy and Other Minds

Prerequisite: 52.163 and either 52.173 or 52.243.

An introduction to the questions of (a) whether there is anything that a person can know which it is logically impossible for anybody else to know, (b) whether it is logically possible that anybody should speak a language that cannot be understood by anybody else, and (c) how we come to understand another person's mind.

52.353   History of Modern Logic

Prerequisite: 52.153 or 52.1532.

A historical treatment of selected topics in logic since Boole, with particular reference to Frege, Russell and Wittgenstein.

52.373   Philosophical Foundations of Marx's Thought

Prerequisite: Upper Level status in Philosophy**.

A discussion of the basics of Marx's historical materialism and dialectical materialism.

52.393   History of Traditional Logic

Prerequisite: 52.153 or 52.1532.

A historical treatment of selected topics in logic before 1850, including: the traditional theory of deduction; the rhetorical tradition; topics and fallacies; the medieval theory of terms; traditional treatments of modality; logic in India and China.

52.403   Model Theory

Prerequisite: 52.323 or 10.1123.

The metamathematics of the predicate calculus from the point of view of model theory. Topics include the deduction theorem, consistency, completeness, theories with equality, prenex normal forms, categoricity and second order theories.

52.413   Reading Option A

Admission by permission, to suitable students with good passes in at least two half-units at Upper Level. A course of individually supervised reading and assignments on an approved topic not otherwise offered.

52.423   Seminar A

Admission by permission, based on a student's performance in Upper Level units. Topics vary and are influenced by student requests. Possible topics include: Contemporary Ethics; Logical Atomism; Wittgenstein; Theories of the Emotions.

52.433   Seminar B

As for 52.433 Seminar A.

52.443   Seminar C

As for 52.433 Seminar A.

52.453   Reading Option B

As for 52.413 Reading Option A.

52.463   Introduction to Transformational Grammar

Prerequisite: Any Level I unit.

Transformational grammar from the beginning: its history, goals, theory and practice. The emphasis is on understanding and constructing arguments for one transformational system over another.

52.473   Meaning and Truth

Prerequisite: 52.1531 or 52.463 or 52.153.

An introductory survey of issues in philosophical and linguistic semantics: truth, meaning and presupposition in natural language; meaning as conventional; meaning and intention; compositional semantics and Tarski's definition of truth.

52.483   Plato's Theory of Forms

Prerequisite: Upper Level status in Philosophy**.

(Not available to students who have taken a similar course at first level.)

A study of some dialogues of Plato, with special attention to Socratic definition and Plato's Theory of Forms.

52.513   Social and Political Philosophy

Prerequisite: Upper Level Status in Philosophy** and 52.182 or 52.203.

Largely through contemporary writings, including a number of journal articles, the course examines such notions as justice, liability, responsibility, coercion, rights and punishment and the issues surrounding these notions.

52.5231   Classical Greek Ethics   S1

Not available to students who have taken 52.523.

A systematic investigation of the moral theories of Plato and Aristotle. Beginning with the immoral and subsequent amoral position of Thrasymachus and his question in Book 1 of *The Republic*, 'Why should I be just?', the subject investigates the ways in which Plato and Aristotle each set out the problems of the nature of morality and why a person should be moral, their approaches to the solutions of these problems, and their positive moral theories.

Upper Level status in Philosophy consists in **1. being in second or later year of university study, and **2.** having taken and passed at least one Level I Philosophy unit. If the unit is composed of two half-units, these must have been passed in the same session. The prerequisite may be waived in certain cases by the School.

52.5232   Theories in Moral Philosophy   S2

Not available to students who have taken 52.523.

An examination of three moral theories central in the history and development of moral philosophy. Hume, Kant, and Mill offer differing kinds of moral theories, differing approaches to arriving at a moral theory, and specific theories which are markedly different from each other. Examines each moral theory in itself and in comparison with the other two theories.

May not be available in 1979. Students should consult the School.

52.533   Contemporary Ethics

Prerequisite: 52.523*.

Not offered in 1979.

A survey of some central themes in contemporary ethical theory (beginning with G. E. Moore), focusing primarily on questions concerning the use, meanings, and logic of moral terms and concepts.

52.543   The Philosophy of Love

Prerequisite: Upper Level status in Philosophy**.

Four main topics:

1. The distinction between *eros* and *agape*. This, together with the cognate distinctions between desire and love and between lust and love, is considered with an emphasis on Plato, St. Paul, St. Augustine, St. Thomas Aquinas, and Luther. Ovid, Lucretius and Freud are given secondary consideration in this section (Freud on genital and narcissistic love).

2. The relation between love and reason. This, together with the relation between love and will, is studied mainly in Plato, St. Augustine and St. Thomas. Freud is given secondary consideration.

3. Union and separation. This is studied mainly in Plato, St. Augustine, Plotinus. Secondary consideration will be given to St. Teresa, Hegel and McTaggart and Freud.

4. Courtly and romantic love. The attachment to the unattainable which is treated in various texts from the troubadours to the modern novel and film.

52.553   Contemporary Moral Issues

Prerequisite: Upper Level status in Philosophy**.

Investigation and discussion of a number of contemporary moral issues such as abortion, prejudice and discrimination, privacy, war and civil disobedience, punishment, and sexual morality.

52.563   Hume

Prerequisite: Upper Level status in Philosophy**. Not available to students who have already taken 52.152.

A study of Hume's epistemology, his discussion of arguments for the existence of God, free will and the basis of morals.

52.573   Psychoanalysis—Freud and Lacan

Prerequisite: Upper Level status in Philosophy**.

A discussion of psychoanalytic theory, particularly for what it shows about the relation between the individual and the social.

52.583   Theories, Values and Education

Prerequisite: Upper Level status in Philosophy**.

The nature of theories of education, and the contributions to them of philosophy, psychology and sociology; values in education and the social sciences; the justification of an ordering of educational goals.

Honours Level unit

52.504   Philosophy Honours

Admission is subject to completion of Upper Level or Advanced Level units or half-units, from among those that may be counted towards a major sequence in Philosophy, to a total of 6 units, with a good overall credit record and indications of ability at Distinction level or better; and at least 4 further units at Upper or Advanced level.

The course consists of the writing of a research thesis under supervision and two seminars.

In 1979 the following seminars are offered: **1.** Philosophy of Language, in the works of Russell, Strawson, Austin, Quine, Chomsky and others. **2.** Kant: a study in particular of his metaphysics and epistemology. *(Prerequisites: 52.173, 52.303.)* **3.** Topics in Logic: *(Prerequisite: 52.403.)* **4.** Contemporary Ethics. *(Prerequisite: 52.513 or 52.533 or 52.553.).*

Graduate Study

52.501G   Set Theory

An advanced treatment of Zermelo-Fraenkel set theory.

52.502G   Formal Linguistics

The theory of formal grammars, and their application to natural and artificial languages; finite-state grammars, stochastic models and the theory of information; context-freedom and context-dependence; meaning, generators and acceptors; formal dialogue.

52.503G   Model Theory

The metamathematics of the predicate calculus from the point of view of model theory: a more advanced treatment of the topics covered in the undergraduate course in model theory.

Upper Level status in Philosophy consists in **1. being in second or later year of university study, and **2.** having taken and passed at least one Level I Philosophy unit. If the unit is composed of two half-units, these must have been passed in the same session. The prerequisite may be waived in certain cases by the School.

*May be waived with the consent of the lecturer.

52.504G Automata and Computation

The theory of automata; Turing's theorem and its extensions; machine languages and programming languages; mechanical decision and semi-decision.

52.505G Metamathematics

Formal number theory, recursive functions, Gödel's theorem, decidability.

52.506G Modal Logic

An introduction to the logic of necessity and possibility.

52.507G Non-Standard Logics

A treatment of certain formalizations of the logic of time, tense and entailment.

52.508G Topics in Logic

Designed to familiarize students with the main trends in contemporary logic. A selection of topics from the current literature, including the logic of questions and imperatives.

Physics

Undergraduate Study

Level I units

1.001   Physics I

Prerequisite:	HSC Exam Percentile Range Required
2 unit Mathematics or	71-100
3 unit Mathematics or	31-100
4 unit Mathematics and	1-100★
2 unit Science (Physics or Chem)	31-100
or	
4 unit Science (multistrand)	31-100

Aims and nature of physics and the study of motion of particles under the influence of mechanical, electrical, magnetic and gravitational forces. Concepts of force, inertial mass, energy, momentum, charge, potential, fields. Application of the conservation principles to solution of problems involving charge, energy and momentum. Electrical circuit theory, application of Kirchoff's Laws to AC and DC circuits. Uniform circular motion, Kepler's Laws and Rotational mechanics.

A molecular approach to energy transfer, kinetic theory, gas laws and calorimetry. The wave theories of physics, transfer of energy by waves, properties of waves. Application of wave theories to optical and acoustical phenomena such as interference, diffraction and polarization. Interaction of radiation with matter, photoelectric effect, Compton effect, spectroscopy. Resolution of the wave—particle paradox by means of wave mechanics and the uncertainty principle.

1.011   Higher Physics I

Prerequisite:	HSC Exam Percentile Range Required
2 unit Mathematics or	71-100
3 unit Mathematics or	31-100
4 unit Mathematics and	1-100★
2 unit Science (Physics or Chem)	31-100
or	
4 unit Science (multistrand)	31-100

plus permission of the Head of School of Physics.

For students of all Faculties except Medicine and Architecture who have a good secondary school record and who wish to do a more challenging course.

As for 1.001 with additional topics: space physics, mechanical properties of real materials, rotational dynamics, physics of biological systems, AC and charged particle dynamics, physics of energy resources and conversion.

Level II units

1.012   Mechanics and Thermal Physics   S1 L3T2

Prerequisites: 1.001, 10.001. Co-requisite: 10.2111.

Properties of solids and liquids, elasticity, hydrostatics, hydrodynamics, damped and forced vibrations, resonance, coupled systems, normal modes, Fourier analysis, waves, group velocity, reflection and transmission at a boundary.

Kinetic theory, Maxwell velocity distribution, transport coefficients, first and second laws of thermodynamics, thermodynamic functions, simple applications, microscopic approach to thermodynamics, Boltzmann probability.

Additional material is studied for the award of Distinction/High Distinction.

1.022   Electromagnetism and Modern   S2 L3T2
Physics

Prerequisites: 1.001, 10.001. Co-requisite: 10.2111.

Electrostatics in vacuum and in dielectrics, Gauss' law, current density, magnetostatics in vacuum and in magnetic materials, electromagnetic induction, displacement current, Maxwell's equations, simple solutions, applications.

Special theory of relativity, Lorentz transformation, simultaneity relativistic mass, momentum and energy, formalism of wave mechanics, Schrodinger's equation, simple solutions, hydrogen atom, spectra, electron spin, selection rules, exclusion principle, Zeeman effect, molecules.

Additional material is studied for the award of Distinction/High Distinction.

★Results in the percentile range 1-10 at a standard acceptable to the Professorial Board.

1.032   Laboratory   FT3

Prerequisites: 1.001, 10.001.

Alternating current circuits, complex impedance, resonance, mutual inductance, introductory electronics, diode characteristics and circuits, power supplies, transistor characteristics, single stage and coupled amplifiers, experiments using AC circuits. Experimental investigations in a choice of areas including radioactivity, spectroscopy, properties of materials, Hall effect, nuclear magnetic resonance, photography, vacuum systems.

1.901   Astronomy   S1 L2T2

Involves an overview of Astronomy, from the Solar System to the galaxies. Includes an exploration of the Solar System, to indicate the advances that have been made, particularly and most recently with space probes, in our understanding of planetary systems. The characteristics of stars discussed along with their use in establishing an understanding of stellar evolution. The treatment of galaxies includes consideration of the nature of our galaxy and its relation to other external systems, concluding with a brief discussion of aspects of observational cosmology. Discussion of such recent topics as black holes, pulsars, quasars.

1.911   Energy   S2 L2T2

Energy requirements, why we need energy, energy in Australia vs. the world. How energy is defined, forms of energy, energy measurements, energy conversion and storage, energy conservation. The flow of energy, energy resources renewable/non-renewable sources — organic, fissile, gravitational, solar, nuclear, etc. Australian resources. The physics of nuclear energy and solar energy. Comparison of energy alternatives.

Political Science

Undergraduate Study

Teaching in the School of Political Science is concerned with the study of political ideas, institutions and activity in such a way as to encourage a critical understanding of the problems and processes of government and politics in different societies and at different times, and of some of the main theories that have been developed to account for, and sometimes advocate, these governmental forms and actions.

Level I units

54.904   Political Science I   F L3T1

Australian politics: parties, parliaments, constitutions, public policy, political culture. Political thinkers such as Machiavelli, Burke, Mill and Marx.

Upper Level units

Students who completed a single Political Science Level I unit in 1977 or earlier, and who wish to proceed to upper level units, should contact the School of Political Science.

54.202   Selected Political Theorists   F L1T½

Prerequisite: 54.904.*

Lectures/tutorials on a miscellany of past and present political theorists. The course content varies from year to year but ranges widely from the 14th to the 20th century: eg the course has included Marsilius of Padua, Sir Thomas More, Vico, Saint-Simon, Tocqueville, Proudhon, Jefferson, Sorel, J. S. Mill. Reading lists are given by lecturers prior to their own lectures on specific thinkers.

54.212   Politics of the U.S.S.R.   S1 L2T1

Prerequisite: 54.904.*

The three main periods into which Soviet political history is conventionally divided: the pre-Stalinist period from the revolution to the late 1920s, from the late 1920s to Stalin's death in 1953, and the post-Stalinist period to the present.

54.222   Politics of the U.S.   S1 L2T1

Prerequisite: 54.904.*

A general view of US politics with particular emphasis on major institutions and long-term issues.

54.232   Politics of China§§   S2 L2T1

Prerequisite: 54.904.*

An introductory study of Chinese Politics with special attention to political issues, values, and the conflicts of interests in policy making. Includes the development and nature of communism in China, economics and development strategy, education and culture, defence and foreign policy.

54.242   British Government   F L1T½

Prerequisite: 54.904.*

The structure of politics and decision-making in Britain.

*Or pre-1978 Political Science Level I equivalent.
§§Offered subject to availability of staff in 1979.

54.252   International Relations§§   F L1T½

Prerequisite: 54.904.*

The nature of the international political system, the problem of conflict and war between nations, and the more important ways in which this conflict has been, and may be, contained.

54.272   Comparative Foreign Policy§§   F L1T½

Prerequisite: 54.904.*

Foreign policy, the components in the making of foreign policy, and some of the basic strategies available in foreign policy. The foreign policies of a number of particular countries.

54.292   Politics and the Media   S2 L3T1

Prerequisite: 54.904, or Sociology 53.001.*

Relations between the media and the political system, with special reference to: media cultural forms; media organizational patterns, theories of media influence; media content analysis. The context is largely Australian.

54.213   Public Policy Making   S2 L2T1

Prerequisite: 54.904.*

The problems of administering government and the problems of decision making. Models of decision making are discussed, for example legal-rational, incremental, 'muddling through', and the systems models as well as some theoretical material on bureaucracy (Weber, Blau, Simon, March).

Areas of public policy in Australia are looked into and problems peculiar to Australia, arising for example from our federal structure and the nature of local government and comparisons made with similar areas in the United States and the United Kingdom and in some instances France and Scandinavia (eg education, urban policy, health and welfare, statutory corporations, bureaucratic responsiveness and open government).

Similarities between public bureaucracy and decision making and private bureaucracy and decision making, multinational corporations and the extent of governmental involvement and support for the private sector.

54.203   African Politics   S1 L3T1

Prerequisite: 54.904(Cr).*

A survey of the general political (and related) characteristics of the continent. Includes the following topics: kinship, race, class, state-formation, early states, colonialism, independence movements, party systems, military government and modernization.

54.223   Analytical Political Theory†

Prerequisite: 54.904(Cr).*

A survey of the basic ideas implicated in political thought and action. The emphasis is not upon history, but upon logic. The concepts discussed include order, sovereignty, federalism, liberty, authority, justice, equality, fraternity, law, toleration, rights, ideology and related notions.

54.302   Marxism   S1 L/T2

Prerequisite: 54.904(Cr).*

Topics: the Hegelian and 'Young Hegelian' background, the dialectic, the materialist conception of history, the theory of social class and of class conflict, the theory of the state and of the dictatorship of the proletariat.

54.322   British Government: B   F L/T1

Prerequisite: 54.904(Cr).*

The nature and character of the British Labour Party.

**54.332   Federalism: An Australian   S2 L/T2
Perspective**

Prerequisite: 54.904(Cr).*

The nature and character of Australian federalism.

54.342   International Security§§   F L/T1

Prerequisite: 54.904(Cr). Co-requisite: 54.252.*

The nature and meaning of 'security' in the international context. The more important avenues or areas of endeavour currently being canvassed to strengthen international security.

54.352   Plato and Machiavelli   S1 L/T2

Prerequisite: 54.904(Cr).*

Plato's *Republic* and *The Prince* and *Discourses* of Machiavelli, and other works by these authors. At the end of the seminars some time is spent on points of comparison and contrast.

54.372   Australian Foreign Policy§§   F L/T1

Prerequisite: 54.904(Cr). Co-requisites: 54.272 or 54.252.*

An examination of the foreign policy making and implementing processes in Australia; traditions, assumptions and perceptions; actors and audiences; interests and issues; incentives and constraints.

54.382   Political Theory   F L/T1

Prerequisite: 54.904(Cr).*

The methodology of political theory analysis and the historiography of political thought: tradition and political ideas, originality and influence, intention, relevance, political theory and the history of political ideas, literary style and political imperative.

**54.392   Aspects of Australian Political   S2 L/T2
Culture**

Prerequisite: 54.904(Cr) or History 51.521(Cr).*

An examination in an Australian context of theories of political culture, political socialization, cultural and political change,

*Or pre-1978 Political Science Level I equivalent.
§§Offered subject to availability of staff in 1979.
†Not offered in 1979.

political symbolism, political legitimacy, derivativeness in political institutions, national identity, social types, administrative styles.

54.601   Politics of the USSR: B   S2 L/T2

Prerequisite: 54.904(Cr). Co-requisite: 54.212.*

Major issues in the interpretation of Soviet politics, such as interest group theory, post-Stalin mechanisms of social control, the totalitarian model and its critics, hypotheses about the future of the Soviet political system.

54.602   Politics of the US: B   S2 L/T2

Prerequisite: 54.904(Cr). Co-requisite: 54.222.*

This unit builds on the pass level unit, applying it to current issues and problems. Case studies are examined.

54.607   Chinese Political Thought§§   F L/T1

Prerequisite: 54.904(Cr).*

Examines the Confucianist and Anti-Confucianist ideas in pre-China (221 B.C.) and these ideas since the 1898 reform, concentrating on the nature of their disputes.

54.609   Theories of Revolution   F L/T1

Prerequisite: 54.904(Cr).*

Concerned with **1.** an analysis of the concept 'revolution' as distinguished from such related phenomena as revolt, rebellion, coup d'etat; **2.** a review of some major classical and modern theories of revolution.

54.611   Late Mediaeval and Early   S2 L/T2
Renaissance Political Theories:
Italy and England

Prerequisite: 54.904(Cr).*

Two or three thinkers from each country are treated and points of contrast and comparison made among them. The thinkers studied may include John of Salisbury, Marsilius of Padua, Sir John Fortescue, Dante, Salutati, John Ponet, Thomas Starkey, Guicciardini.

Advanced Level units

Available for students intending to take a special Honours degree in Political Science (and others who have satisfied the prerequisites).

Students intending to proceed to the award of an Honours degree in Political Science would normally enrol in the following units:

Year 1: 54.904*.

Year 2: 54.401 and 54.402 plus any Upper Level one unit.

Year 3: 54.403 and 54.404 plus any Upper Level one unit.

Year 4: 54.801 (double unit).

The prerequisite for entry to 4th Year Honours is a pass at Credit Level or better in all the Political Science units taken in the preceding three years, subject in special cases to the discretion of the Head of School.

Intending Honours students should plan their programs in consultation with the Head of School or the Course Advisor.

Each Advanced Level unit consists of work in a 1-unit Upper Level course, plus such additional work as is prescribed by the Head of School (normally consisting of advanced seminar work on a topic related to the subject of the Upper Level course).

54.401   Political Science Advanced: A

Prerequisite: Credit or better in all preceding Political Science units including 54.904.*

Consists of work in any Upper Level 1 unit and such additional seminar work as is prescribed by the Head of School.

54:402   Political Science Advanced: B

Prerequisite: Credit or better in all preceding Political Science units including 54.904.*

Consists of work in any Upper Level 1 unit and such additional seminar work as is prescribed by the Head of School.

54.403   Political Science Advanced: C

Prerequisite: Credit or better in all preceding Political Science units including 54.904.*

Consists of work in any Upper Level 1 unit and such additional seminar work as is prescribed by the Head of School.

54.404   Political Science Advanced: D

Prerequisite: Credit or better in all preceding Political Science units including 54.904.*

Consists of work in any Upper Level 1 unit and such additional seminar work as is prescribed by the Head of School.

Honours Level units

54.801   Political Science (Honours)

Prerequisites: The minimum program of study in the School of Political Science for a student intending to take a Special Honours degree is the four Advanced Level units in Political Science plus two of the Upper Level 1-unit courses.

Students are required: **1.** To undertake an original piece of work extending throughout the year and to submit a thesis based upon it. **2.** To complete the course on Theory and Method and two options during the year.

*Or pre-1978 Political Science Level I equivalent.

§§Subject given subject to availability of staff in 1979.

Psychology

The study of psychology as a formal discipline in undergraduate courses is traditional in Australian Universities. Psychology as a subject is concerned with the systematic study of human behaviour and associated mental processes. The School of Psychology offers psychology as a major subject in the full-time Arts Course, in the three and four year programs of the Science and Mathematics Course, and also offers a full-time undergraduate professional degree course in psychology in the Faculty of Biological Sciences.

In the Arts Course, Psychology may be studied as a major sequence in accordance with Schedule B. Students who wish to proceed to Honours in Psychology should refer to the requirements set out in Schedule A.

Prizes in Psychology

The *Australian Psychological Society* Prize in Psychology is awarded annually to a fourth-year student. The Society also awards annually two-years Student Subscriberships to the *Australian Journal of Psychology* to two outstanding second-year students.

The Staff Prize in Psychology is awarded annually to the best second-year student.

Undergraduate Study

Level I unit

12.001   Psychology I   F L3T2

An introduction to the content and methods of psychology as a behavioural science, with emphasis on the biological and social bases of behaviour, relationships to the environment, and individual differences.

Includes training in methods of psychological enquiry, and the use of elementary statistical procedures.

Upper Level II units

12.072   Human Relations II   S1 L2T2

Prerequisite: 12.001.

The personality development of the individual from birth through to death, focussing on the influences on such development from family of origin, school, peer group, work, marriage and other social groups. The theoretical contributions to an understanding of development from Freud, Piaget and Erikson.

12.082   Individual Differences II   S2 L2T2

Prerequisite: 12.001. Excluded: 12.152.

Measurement and significance of individual differences in intellectual, motivational and personality functioning. Statistics cover the fundamentals of hypothesis testing.

Advanced Level II units

12.052   Basic Psychological Processes II   S1 L2T2

Prerequisite: 12.001.

The basic phenomena of behaviour and experience in a biological context.

12.062   Complex Psychological Processes II   S2 L2T2

Prerequisite: 12.001.

Information processing and cognitive functioning, and social bases of behaviour and personality.

12.152   Research Methods II   F L2T1

Prerequisite: 12.001. Excluded: 12.082.

General introduction to the design and analysis of experiments; hypothesis testing, estimation, power analysis; general treatment of simple univariate procedures; correlation and regression.

Advanced Level III units: Group A

12.153   Research Methods IIIA   S1 L2T2
Prerequisite: 12.152.

Analysis of variance for single factor and multifactor designs. Fixed, random, and mixed models. Test procedures for planned and post-hoc contrasts defined on parameters of fixed and mixed models. General principles of experimental design.

12.163   Research Methods IIIB   S2 L2T2

Prerequisites: 12.152 and 12.153.

For students who intend to undertake a research thesis in Psychology IV, and is concerned with data analysis using the SPSS and PSY systems of computer programs and with the statistical bases of these programs.

Advanced Level III units: Group B

12.253   Learning IIIA   S1 L2T2
Prerequisites: 12.052, 12.152.

The establishment and elimination of extended sequences of behaviour in complex environments. Some attention is given to implications of the theories and research for applied work.

12.373   Psychological Assessment   S1 L2T2
         (Testing) IIIA
Prerequisites: 12.122(Cr) or 12.152 and 1 other Psychology Level II Course.

Principles and techniques of psychological assessment. Types of tests and their application in selection and allocation procedures.

12.413   Physiological Psychology IIIA   S1 L2T2
Prerequisites: 12.122(Cr) or 12.052, 12.152.

Elementary neuropharmacology, and neuroanatomy. Brain control of eating, drinking, aggression, copulation, pain perception, memory, language and functional disorders.

12.453   Human Information Processing IIIA   S2 L2T2
Prerequisites: 12.062, 12.152.

The stages involved in the reception of stimulus information from the environment, its analysis, storage, and translation into responses. Particular emphasis is given to the processes which have the effect of reducing the amount of information to be subsequently stored or further processed. Special attention is also given to the comprehension, storage and utilization of semantic information.

12.473   Perception IIIA   S1 L2T2
Prerequisite: 12.152.

The characteristics and processes of visual perception. Topics include the basic requirement for visual perception and the relative contributions of the observer and the stimulus in a range of visual situations.

12.503   Social Psychology IIIA   S1 L2T2
Prerequisites: 12.122(Cr) or 12.062, 12.152.

Interpersonal perception, verbal and non-verbal communication and human social interaction processes.

12.553   Developmental Psychology IIIA   S1 L2T2
Prerequisites: 12.122(Cr) or 12.062, 12.152.

An introduction to the study of cognitive development set loosely within the framework of Piagetian theory. Topics include: the development of perception with special reference to the nativism/empiricism issue; the development of operational thought with emphasis on its origins in sensori-motor intelligence; the development of language and its relationship to the development of thought; and the development of reading.

12.603   Abnormal Psychology IIIA   S1 or S2 L2T2
Prerequisites: 12.052, 12.152.

Conflict, anxiety and avoidance behaviour. Anti-social behaviour, psychosomatic disorders, brain pathology, mental deficiency, schizophrenia, depression, sexual anomalies, methods of diagnosis and treatment.

Advanced Level III units: Group C

12.173   Psychological Issues III   S1 L2T2
Prerequisites: 12.122(Cr) or 12.052, 12.062.

The historical and philosophical background to contemporary research problems in psychology.

12.263   Learning IIIB   S2 L2T2
Prerequisites: 12.052, 12.152 and 12.253.

Enduring issues in conditioning and learning set in their contemporary and historical contexts. Issues include: conditions of reinforcement, anticipatory responding, distribution of practice, and 'attentional-perceptual' phenomena.

12.303   Personality IIIA   S1 L2T2
Prerequisites: 12.122(Cr) or 2 Psychology Level II Courses.

Personality dynamics and structure. The practical work involves an exploration of student-chosen topics within designated areas of personality.

12.313   Personality IIIB   S2 L2T2
Prerequisites: 2 Psychology Level II Courses and 12.303.

A restricted unit for potential Psychology IV students approved by the Head of School.

The psychology of interpersonal relationships and transactions, and the development of personality with special reference to experimental and social determinants. The practical work requires students to participate in groups.

12.323   Motivation IIIA   S1 L2T2
Prerequisites: 12.052, 12.152.

The ethology, psychology and neurophysiology of motivational states and processes, including aggression, thirst, hunger, attachment, and addictions.

12.383   Psychological Assessment (Psychometric
         Theory) IIIB
Prerequisites: 12.152 and 1 other Psychology Level II Course, 12.373.

Not offered in 1979.

12.423   Physiological Psychology IIIB   S2 L2T2

Prerequisites: 12.052, 12.152 and 12.413.

Physiological bases of human performance. Hormones and behaviour. Psychophysiology of selected psychological states such as stress, sleep and relaxation. Psychosomatics. Psychopharmacology.

12.463   Human Information Processing IIIB

Prerequisites: 12.062, 12.152 and 12.453.

Not offered in 1979.

12.483   Perception IIIB   S2 L2T2

Prerequisites: 12.152 and 12.473.

Man in a spatial environment. A study of the organization and stability of the visual world with particular reference to object movement, eye movement and locomotion.

12.493   Psychophysics III   S2 L2T2

Prerequisite: 12.153.

A review of classical and contemporary psychophysical theories, namely theories which attempt to explain the relationship between physical and judged values of stimuli; an introduction to the methodology of psychophysical measurement; an examination of the relevance of psychophysical theories and methods to areas outside of sensory psychology where they have been traditionally developed.

12.513   Social Psychology IIIB   S2 L2T2

Prerequisites: 12.062, 12.152. Excluded: 12.523.

Research and theory in three fields of applied social psychology: organizational psychology; the social psychology of cultures in contact, including majority group — minority group relations and conflict resolution; and, the social psychology of living in cities.

12.523   Environmental Psychology III   S2 L2T2

Prerequisites: 12.122(Cr) or 2 Psychology Level II Courses. Excluded: 12.513.

The effects of population, technology and urbanization on social change are studied with special reference to individual functioning and the quality of life. The measurement of social change is treated in practical exercises.

12.563   Developmental Psychology IIIB

Prerequisites: 12.062, 12.152 and 12.553.

Not offered in 1979.

12.613   Abnormal Psychology IIIB   S2 L2T2

Prerequisites: 12.052, 12.152 and 12.603.
May be a co-requisite.

Techniques and findings of experimental psychopathology. Measurement and assessment problems relating to description and prediction in the field of abnormal behaviour. Evaluation of treatment and intervention programs.

12.623   Guidance and Counselling III   S2 L2T2

Prerequisites: 12.122(Cr) or 2 Psychology Level II Courses.

A review of significant therapeutic approaches from Freud to the present day, and their implied views of man. The sources of the theories of, for example, Freud, Miller and Dollard, Ellis, Rogers, Perls, and Janov. The concluding section of the course is concerned with problems in evaluating the effects of psychotherapy.

12.653   Industrial Psychology III   S2 L2T2

Prerequisites: 2 Psychology Level II Courses.

The role of the psychologist in industry. Problems of power, authority and control. Theories of human nature and motivation, and their use by industrial psychologists.

12.663   Ergonomics III   S1 L2T2

Prerequisite: 12.152.

Aspects of human performance relevant to work design. The principles involved in designing the environment in general, and work in particular, to suit man's capabilities.

12.703   Psychological Techniques III

Prerequisites: 2 Psychology Level II Courses.

An introduction to interviewing and group work. Training in the principles of interviewing and in the analysis of interview data. The group work training is experiential and is directed towards an understanding of group processes and group structure rather than individual dynamics.

12.713   Behaviour Control and   S2 L2T2
Modification III

Prerequisite: 12.052.

Definitions of problem behaviour. Use of the methods of behavioural change in individual, group and institutional settings. Non-psychological methods of behavioural influence. A comparison of attitude and behaviour change. Ethical issues.

Honours Level IV units

12.025   Psychology IV (Honours Course Work)   F

Prerequisites: 12.001, 12.052, 12.062, 12.152 and 8 Psychology Level III half-units, including 12.153 from Group A and at least 3 half-units from Group B, at an average level of Credit or better.

Course work, practicum, project and readings to be determined in consultation with the Head of School.

12.035   Psychology IV (Honours)   F

Prerequisites: 12.001, 12.052, 12.062, 12.152 and 8 Psychology Level III half-units, including 12.153 and 12.163 from Group A and at least 3 half-units from Group B, at an average level of Credit or better.

Research and thesis, course work and readings to be determined in consultation with the Head of School.

Russian*

Undergraduate Study

Subjects offered by the School cover the language, literature and culture of the Russian people from the eleventh century to the present day.

This year five Pass subjects are offered: Russian IA, Russian IB, Russian IIA, Russian IIB and Russian IIIA.

Level I units

59. 501   Russian IA (Double unit)

Unless the Head of School rules otherwise in special cases, a subject available only to students who have not qualified to enter Russian IB.

The subject provides students with a sound elementary knowledge of spoken and written Russian as a basis for further intensive language study in Russian IIA. Students who pass at the annual examination and wish to continue their study of the language are required to complete a program of written exercises and prescribed reading during the long vacation. Admission to Russian IIA is dependent on the satisfactory completion of this program.

Russian IA is a semi-intensive subject, with a total of seven hours of instruction per week, consisting of two lectures, four tutorials and one session in the language laboratory. An equal amount of time should be devoted to preparation and private study if the subject is to be pursued successfully.

59. 511   Russian IB

Prerequisites:	HSC Exam Percentile Range Required
2 unit Russian or	31-100
3 unit Russian	31-100

or in the opinion of the Head of School, equivalent knowledge of the language.

1. Language

Three hours of instruction per week, devoted to prose translation into and from Russian, study of Russian grammar, free composition and practice in spoken Russian.

2. Literature

Two lectures per week.

(1) Introduction to Nineteenth Century literature.

(2) Introduction to Twentieth Century writers.

Upper Level units

59.502   Russian IIA

For students who have passed 59.501 Russian IA and who have completed the prescribed vacation reading and exercises. In addition to further intensive language work, there is a study of literary texts.

1. Language

Five hours of instruction per week: translation into Russian; three tutorials and one session in the language laboratory are devoted to intensive drills in spoken and written Russian.

2. Literature

Two lectures per week. The texts studied are:

(1) two plays by A. P. Chekhov,

(2) short stories by A. S. Pushkin, L. N. Tolstoi, L. N. Andreev,

(3) short stories by Soviet writers.

59.512   Russian IIB

For students who have passed 59.511 Russian IB.

1. Language

Three hours of instruction per week, devoted to prose translation into and from Russian, study of Russian grammar, free composition and practice in spoken Russian.

2. Literature

Two lectures per week. The texts to be studied are:

(1) short stories by A. P. Chekhov, N. V. Gogol', A. S. Pushkin, M. E. Saltykov-Shchedrin

(2) four contemporary stories

(3) selection from the following poets: A. Akhmatova, A. Blok, M. Lermontov, N. Nekrasov, A. Pushkin and F. Tyutchev

59.513   Russian IIIA

For students who have passed either 59.502 Russian IIA or 59.512 Russian IIB and who have completed the prescribed vacation reading and exercises.

1. Language

One lecture and two tutorials per week. The lecture deals with prose translation into Russian; the tutorials are devoted to a study of advanced Russian grammar, syntax and free composition and to practice in spoken Russian (reading, dictation and conversation).

2. Literature

Four lectures per week. Areas of study:

(1) A. S. Pushkin,

(2) F. M. Dostoevskii,

(3) L. N. Tolstoi and

(4) a selection of Soviet films.

*Changes to the program may be introduced in 1979 and students should check with the School before the beginning of Session 1.

Sociology

Undergraduate Study

The major aim of sociology, as taught by the School, is to impart a critical understanding of society. In particular, this involves three teaching objectives:

1. Developing a critical sense towards social reality and human behaviour. **2.** Developing skills for the collection and interpretation of social data. **3.** Developing a 'sociological imagination', ie sensitivity to the relations between social phenomena and human action.

Level I units

53.001   Introduction to Sociology (Double unit)

An introduction to major issues in Sociology. There are two main themes: culture, society and institutions; and social inequality. Topics include: social control, power, racism, sexism, work and leisure, class distinctions. These are treated both factually and theoretically and are considered as they relate to the situation in Australia and in the developing countries.

Upper Level units

Two of the following must be taken together:

53.201   Methods of Social Investigation A (½ unit)

Excluded: 53.501.

One two-hour seminar per week.

Introduces students to the commonly used techniques of data collection and analysis. Students are expected to achieve a reasonable level of competence in the manipulation of data. Assessment depends on the completion of written tutorial exercises and of a research project. In the first session, emphasis is on a historical review of empirical sociology, theory formulation and verification, and techniques for collecting, recording, and organizing information.

53.202   Comparative Industrial Societies A (½ unit)

Excluded: 53.501.

One two-hour seminar per week.

A comparative study of the major structures and processes of advanced industrial societies (Britain, USA, Western Europe, Australia, the State socialist countries, USSR, and the Comecon countries). Emphasis on theories and research studies of the relationship between industrial economy, the organization of work, class structure, the nature of the state, the growth of cities, the growth of bureaucracy, and utopian responses to industrial societies.

Topics:

1. The state and society in an industrial economy. **2.** Urbanization. **3.** The growth of bureaucracy.

53.207   Social Anthropology A (½ unit)

Excluded: 53.501 and 53.502.

One two-hour seminar per week.

Anthropological perspectives on people and society, and an examination of the dynamics of universally relevant institutions. The material presented combines theoretical discussion and empirical data from small-scale societies.

Two of the following must be taken together.

53.208   Methods of Social Investigation B (½ unit)

Excluded: 53.502.

Prerequisite: 53.201.

The use of qualitative and quantitative data. Problems of reliability and validity. Alternatives to empiricism. Students are required to complete a research project (commenced in first session) and to submit a report for assessment.

53.209   Comparative Industrial Societies B (½ unit)

Excluded: 53.502 and 53.210.

Prerequisite: 53.202.

A continuation and extension of the major themes, theories and studies introduced in Session 1.

Topics:

1. Work. **2.** Inequalities. **3.** Futures and Utopias.

53.210   Social Anthropology B—Anthropological perspectives on modernization (½ unit)

Excluded: 53.502 and 53.209.

Prerequisite: 53.207.

A major objective is to analyse the contribution and limitations of the anthropological approach to modernization. Stress is placed on the development of a humanistic approach to theoretical issues in modernization, and on the analysis of social processes from the perspective of non-western geographic-cultural units (eg Australian Aborigines, peoples of Latin America, and Pacific).

Advanced Level units

53.501   Sociology IIA (Advanced) (1 unit)

Excluded: 53.201, 53.202, 53.207.

Prerequisite: 53.103 and 53.104. (At a level determined by the School.)

Two compulsory sections:

1. 53.201 *or* 53.202 *or* 53.207.

and

2. (1) Marxism and social theory, *or*

(2) Theories of social inequality.

(1) *Marxism and social theory:* A weekly seminar, dealing with a detailed study of Marx's own works, contemporary developments and extensions of the Marxist tradition, and the relation of Marxism to the general body of sociological theory.

(2) *Theories of social inequality:* A weekly seminar, dealing with a detailed study of the major approaches to social inequality. The seminar focuses on pre-industrial, as well as industrial societies, and considers such topics as race, caste, slavery, sex, class.

53.502 Sociology IIB (Advanced) (1 unit)

Excluded: 53.208, 53.209, 53.210.

Prerequisite: 53.501.

Two compulsory sections:

1. 53.208 *or* 53.209 *or* 53.210.

and

2. An advanced treatment of either *Marxism and Social Theory* or *Theories of Social Inequality* (being a continuation of the topic studied in 53.501).

Upper Level units

53.305 Sociology IIIA (1 unit)

Excluded: 53.507, 53.508.

Prerequisites: two of 53.201 plus 53.208, 53.202 plus 53.209, 53.207 plus 53.210.

1. Social Inquiry A.

2. An option chosen from a list of substantive areas of sociological interest.

Each part of the course involves a two-hour weekly seminar, with written work and oral presentations throughout the year.

1. *Social Inquiry A* consists of one two hour seminar per week. The objective of the course is to introduce students to current sociological, philosophical and political debates about the procedures, standards and status of social enquiry.

2. *Options* available in 1979 are expected to include:

Sociology of Deviance; Social Attitudes; Women and Society; Medicine and Society; Urban Sociology A; Film and Society; Race Relations A; Sociology of Literature and Drama A; Sociology of Migration A; Plural Societies and Developing Countries A; Sociology of the Family A; Law and Society A; Topics in Social Anthropology A; Theories of the State, Anarchist and Feminist Theory, the Sociology of Organizations and Marxist Anthropology.

Note

Certain options offered by other Schools in the Faculty of Arts can be taken by students enrolled in *either* 53.305 (or 307) *or* 53.306 (53.308) and will be credited towards degree requirements, with the approval of the Head of the School of Sociology.

Prerequisites are the same as for 53.305, 53.306, 53.307 and 53.308. These options are available also in the Schools of

History and Philosophy of Science

Spanish and Latin American Studies

French

Economics

German

Industrial Relations

(1) *Sociology of Deviance*

The characteristics of social deviance. Theories of deviant behaviour. Types of deviants and aspects of social and criminal deviance. Social control and development of correctional treatment.

(2) *Social Attitudes*

The role of personality differences in influencing the relations people adopt to societal institutions. The reciprocal effects of societal institutions on the formation of personality. Due to topic's wide range only one or two personality types and one or two sub-sets of society are stressed. An intensive treatment of the personality and attitude correlates of:

• working class membership;

• political preference;

• authoritarianism and alienation.

(3) *Gender, Class and Power: Women's Place in the Advanced Societies*

A theoretical and field work study of gender as a factor in social inequality. Theoretical emphasis on the relationship between gender divisions and class divisions. A reinterpretation of major areas of sociology from a feminist perspective: the sociology of work, urban sociology, educational and social welfare. Includes a research project concerned with studying certain aspects of women's position in an advanced industrial society.

(4) *Medicine and Society A*

Health care and its institutions as a focus for the discussion of sociological theories and concepts. Available to students with appropriate medical or sociology backgrounds. Topics: micro-sociological aspects of health care, eg patient-physician interaction, political economy of health care, the social meanings of medicine and medicine as a profession.

(5) *Urban Sociology A*

Urban environments and their social, political and economic structures. A session topics include: historical, ecological and cultural approaches to the city. The B session emphasizes: the community approach, the urban gatekeepers and the political economy of the city.

Students are required to carry out a research project into some aspect of the urban sociology of Sydney.

(6) *Film and Society*

Film represents a formalization of the symbolic interchange that makes up the culture of a society. Film as an industry, a cultural extension and as a communication system. Opportunities for the production by students of films of their own devising, as well as analysis and discussion of current movies. Students are expected to attend movies related to the course.

(7) Race Relations A

The study of inter-group relations based on 'racial' and 'ethnic' differences. The developments and character of 'racist' theories. Racial prejudice: its origins and nature. The history and structure of racial discrimination in modern societies.

(8) Sociology of Literature and Drama A

The study of:

(a) the creation, distribution and reception of literature and drama as social institutions.

(b) the relationship between the literary product and the social milieu and group affiliations of the writer.

(c) the effects of literature and drama upon successive audiences.

(9) Sociology of Migration

Migration as a special case of heightened social change. Theoretical concepts and methods potentially useful for analyzing the phenomenon of mass migration. Empirical material drawn from Australian and overseas studies.

Theoretical approaches offered by Eisenstadt, Gordon and others are considered in the light of:

(a) empirical studies in Australia and elsewhere; and

(b) possibilities offered by a 'relational' method, ie the exploration of networks and community affiliations.

(10) Plural Societies and Developing Countries A

Recurring processes in the evolution of plural societies; theories of change; the impact of colonialism; social view of several disciplines. An underlying theme in this course is inequality and the varying impact of inequality on social life and social structure.

(11) Structure and Function in Family and Kinship

Family and kinship in large and small scale societies, using sociological and anthropological frameworks in the organiza-tion of data. Emphasis on an evaluation of the major theoretical interpretations of the family as an institution. Topics: social history and sociology of the family in European and Third World societies, including attempts to relate family structures and the process of industrialization; the family's role in the organization of production, reproduction, domestic labour; conjugal role relationships, parent-child relationships.

(12) Law and Society A

Discussions of such topics as order and justice in society; social implications of legal systems; the lawyer as social actor; property, social class and inequality, the role of law in main-taining and changing racial inequalities; selected aspects of family law relating to power; property and violence.

(13) Topics in Social Anthropology A

The range of topics embraces area courses in Latin American and Pacific anthropology, anthropological perspectives on colonialism, Marxist anthropology, and methods of anthro-pological investigation.

(14) Feminist and Anarchist Theory

Classical and more countercultural and situationist anarchist views. Modern feminist theories, both as theories in their own right and in terms of their possible links with anarchist theory, through their explanation of hierarchy and their emphasis on personal politics.

(15) Sociology of Organizations

Life in 'complex' or 'formal' organization. Readings cover: the emergence and development of the major strands in the sociology of organization as it is interpreted and applied in typical organizational setting today. Attention to the relation-ship between the individual and the organization, non-indus-trial bureaucracies and the problematics of public administra-tion and the implementation of social policy. The subject opens the sociology of organizations to empirical knowledge and insights from other areas of sociology. These include: the exercise of control and authority; the respective influence of technological, economic and social factors in organizational life; the relationship between the organization and its 'clients'; the role of professionals in organizations; conflict in organizations, the politics of management, and the signifi-cance of psychological considerations such as dependence and independence, self-actualization and inter-personal com-munication.

(16) Marxist Anthropology

The Marxist alternative to bourgeois social anthropology including an examination of the categories and methodology used by Marxist anthropologists and analysis of contemporary schools of anthropological research in the USSR and France.

(17) Theories of the State

Examines the contemporary modern state in the light of recent debates centering around problems such as where the basis of political power lies; what is the relationship between class power and the political nature of the state and what indications these theories might have for different strategies of social change. These debates are incorporated with an analysis of the different types of contemporary states, eg social democracy, the welfare state, fascism and the European block.

53.306   Sociology IIIB (1 unit)

Excluded: 53.507, 53.508.

Prerequisite: 53.305.

1. Social Inquiry B.

2. A further optional choice from a list of substantive areas of sociological interest.

1. *Social Inquiry B* consists of one two-hour seminar per week. A continuation and extension of the major themes, theories and studies introduced in Session 1.

2. *Options* available in 1979 are expected to include: Crimino-logy; Science, Technology and Society; Sociology of Religion B; Urban Sociology B; Race Relations B; Sociology of Literature and Drama B; Work, Leisure and Society; Plural Societies and Developing Countries B; Sociology of the Family B; Law and Society B; Subcultures; Sociology of Organizations; and topics in Social Anthropology B.

(1) Criminology

Nature and scope of criminology. Criminological theory. Patterns and measurement of crime and delinquency. Control, prevention and treatment, related to crime and delinquency. Effects of crime on the community and evaluation of efforts in correction and treatment.

(2) Science, Technology and Society

(a) The nature of science—interaction between growth of science, the process of research, and society.

(b) Social influences on the nature and development of science.

(c) The invention-innovation process.

(d) Society's control over science.

(e) The impact of science and technology on society.

(f) Science, technology and war.

(3) *Urban Sociology B*

Extension of the Session 1 subject, Urban Sociology A.

(4) *Race Relations B*

The history and structure of race relations in Australia; an analysis of Aboriginal society, the history of black/white confrontation, the development of Aboriginal organization and action.

(5) *Sociology of Literature and Drama B*

A detailed study of particular novels and plays written in several industrial societies in the 19th and 20th centuries, in conjunction with a study of the social theories of industrialization and modernization.

(6) *Work, Leisure and Society*

Takes a wide-ranging look at some sociological aspects of work and leisure—in particular, the way that societal assumptions about these two notions help determine the shape of many social institutions.

(7) *Plural Societies and Developing Countries B*

The culture, structure and organization of overseas Asians; ethnic minority problems in industrialized and traditional societies; the relationship between minorities and central governments before and after independence; current events such as absorption of Vietnamese refugees in Australia and the USA.

(8) *Sociology of the Family B*

Extension of the Session 1 subject, Sociology of the Family A.

(9) *Law and Society B (see Law and Society A)*

(10) *Topics in Social Anthropology B (see Topics in Social Anthropology A; (15) Sociology of Organization; (3) Gender, Class and Power*

Options (3), (8), (9), (10), (11) and (13) are an extension of the Session 1 subject. See outlines above.

(11) *Subcultures*

Examines the idea that the *status quo* can take the form of developing alternative or new cultures. Looks at literature about the subcultures of the poor and the more self-conscious countercultures of hippies and feminists. Sociological ethnographies, political theory and popular novels are used.

53.307   Sociology IIIC (1 unit)

Excluded: 53.507, 53.508.

Prerequisites: 2nd Year Sociology. Co-requisite: 53.305.

1. Social Inquiry A. A choice not already being taken as part of Section A of 53.305.

2. An option not already being taken as part of Section B of 53.305.

53.308   Sociology IIID (1 unit)

Excluded: 53.507, 53.508.

Prerequisites: 2nd Year Sociology and 53.307. Co-requisite: 53.306.

1. Social Inquiry B. A choice not already taken or being taken in 53.305 or 53.307.

2. An option not already taken or being taken in 53.305 or 53.307.

Advanced Level units

These units are primarily for prospective honours candidates. The content of these units will be based on the same range of subject matter as Sociology IIIA and Sociology IIIB.

53.507   Sociology IIIE (Advanced) (1 unit)

Excluded: 53.307, 53.308.

Prerequisite: 53.501, 53.502 (both at levels satisfactory to the School).

Consists of an option not otherwise taken from 53.305, and in addition students are required to select two weekly seminars.

In 1979, available seminars are expected to include: Advanced Sociological Research A; Advanced Computing and Statistics A; Australian Social Thought A; Psychoanalysis and Society A; Sociology of Knowledge A; Contemporary European Social Thought A; Critical Theory A;

or

approved options, with additional work chosen from 53.305 and not already taken or being taken.

Students should check with School about *final details* at beginning of the year.

53.508   Sociology IIIF (Advanced) (1 unit)

Excluded: 53.307, 53.308.

Prerequisite: 53.501, 53.502, 53.507 (at a level satisfactory to the School)

Consists of an option not otherwise taken from 53.306, and in addition students are required to select two weekly seminars.

In 1979 available seminars are expected to include: Advanced Sociological Research B; Advanced Computing and Statistics B; Australian Social Thought B; Psychoanalysis and Society B; Sociology of Knowledge B; Contemporary European Social Thought B; Critical Theory B;

or

approved options, with additional work chosen from 53.305 and not already taken or being taken.

Students should check with School about *final details* at beginning of the year.

Honours Level unit

53.525   Sociology (Honours)

Prerequisites: Satisfactory performance in 53.507 and 53.508.

Students are required to participate in two honours level seminars and to submit a dissertation based on their own research.

Spanish and Latin American Studies

The School of Spanish and Latin American Studies offers subjects in the language, literature and history of Spain and Latin America. These are divided into two main sequences: one for Spanish speakers, and the other for non-Spanish speakers.

Spanish Speakers: Most classes for these students are given in Spanish. In the first year the emphasis falls on literature although some history is also studied. In the second year, literary studies continue but students may choose between subjects in linguistics or history. During the first two years, informal advanced language instruction is given to those students who, although fluent speakers of Spanish, experience difficulties in writing it. In their third year, students may opt to specialize in literature, history or linguistics or they may study a combination of history and linguistics, history and literature, or literature and linguistics.

The normal major sequence for these students is 65.110 (IB), 65.210 (IIC), 65.211 (IID), and a minimum of two of 65.300 (IIIA), 65.301 (IIIB), 65.310 (IIIC) and 65.311 (IIID); but for those who wish to specialize in history the normal sequence is 65.110 (IB), 65.210 (IIC), 65.211 (IID), 65.240 (IIE), 65.241 (IIF), 65.300 (IIIA), and 65.301 (IIIB).

Non-Spanish Speakers: These students may begin their studies in the School at the introductory (65.100, IA) or intermediate (65.120, IC) level, depending on their knowledge of the language. In both cases, the first two years of study concentrate on the acquisition of basic language skills; in addition, the study of literature and history is introduced. In the third year the intensive language program continues, but greater emphasis is placed on history and literature, students being offered the choice of specializing in one or other of the two disciplines.

The normal major sequence for those students who begin their study of Spanish in the School is 65.100 (IA), 65.200 (IIA), 65.201 (IIB) and a minimum of two of 65.300 (IIIA), 65.301 (IIIB), 65.310 (IIIC) and 65.311 (IIID). The normal major sequence for those students who already know some Spanish is 65.120 (IC), 65.220 (IIG), 65.221 (IIH), and a minimum of two of 65.300 (IIIA), 65.301 (IIIB), 65.310 (IIIC), and 65.311 (IIID).

All students in the School may continue their studies up to Fourth Year Honours Level, provided they have performed satisfactorily in prerequisite units.

In addition, subjects in Latin American history are available to students not enrolled in the language and literature program. These subjects are taught in English and may be counted as units in a sequence taken in the School of History or as part of a unit taken in the School of Sociology. For details of these subjects see below SLAS 2E, 2F and 2M.

Textbook lists for all subjects are available from the Secretary of the School and from distribution centres on campus.

Undergraduate Study

Level I units

65.100   Spanish and Latin American   F L1T5
Studies IA Introductory Spanish
(Double unit)

Excluded: 65.110 (IB) and 65.120 (IC).

For students who have little or no knowledge of Spanish. Intended to give students a sound basis of spoken and written Spanish and to introduce them to the history and culture of Spain and Latin America.

1. *Language*
Four hours per week tutorials; one hour per week laboratory. In both sessions the Spanish language is studied intensively.

2. *History and Society* (one hour lecture per week)
Session 1: the history and culture of Spain.
Session 2: the history and culture of Latin America.

65.110   Spanish and Latin American   F1 L1T2
Studies IB (Double unit)

Prerequisite:	HSC Exam Percentile Range Required
2 unit Spanish or	31-100
3 unit Spanish or equivalent qualification	11-100

Excluded: 65.100 (IA) and 65.120 (IC).

For students already fluent in Spanish. Students with previous knowledge of the language will be admitted into this or the following unit at the discretion of the School.

1. *Literature* (two hours per week)
Session 1: a survey of major works of modern Spanish literature.
Session 2: a survey of major works of Golden Age Spanish literature.

2. *History and Society* (one hour lecture per week)
Session 1: the history and culture of Spain.
Session 2: the history and culture of Latin America.

**65.120   Spanish and Latin American   F L1T4½
          Studies IC (Double unit)**

Prerequisite: HSC Exam
                                         Percentile Range Required

2 unit A Spanish or   71-100
equivalent qualification

Excluded: 65.100 (IA) and 65.110 (IB).

For students who already have a basic command of Spanish.
Students with knowledge of Spanish will be admitted to this
or the previous unit at the discretion of the School.

1. *Language*
Three and a half hours per week tutorials; one hour labora-
tory. In both sessions the language is studied intensively.

2. *History and Society* (one hour lecture per week)
Session 1: the history and culture of Spain.
Session 2: the history and culture of Latin America.

Upper Level units

Students of Spanish who know at the beginning of their
second year that they will wish to specialize in history in their
third year, must enrol in units 65.240 (IIE) and 65.241 (IIF), in
addition to other units offered at Second Year Level.

**65.200   Spanish and Latin American   S1 L1T5½
          Studies IIA**

Prerequisite: 65.100 (IA). Excluded: 65.250 (IIA Advanced).

1. *Language*
Three and a half hours per week tutorials, one hour labora-
tory. An intensive study of the Spanish language.

2. *History and Society* (one hour lecture per week)
Spain in the nineteenth and twentieth centuries.

3. *Literature* (one hour seminar per week)
An introduction to literary studies through modern Spanish
texts.

**65.201   Spanish and Latin American   S2 L1T5½
          Studies IIB**

Prerequisite: 65.200 (IIA). Excluded 65.251 (IIB Advanced).

1. *Language:* As for 65.200 (IIA)

2. *History and Society* (one hour lecture per week)
Contemporary Society in Latin America.

3. *Literature* (one hour seminar per week)
An introduction to literary studies through modern Spanish
American texts.

Advanced Level units

Students who have satisfactorily completed 65.100 (IA) and
who wish to proceed to Fourth Year Honours Level in
Spanish must enrol in 65.250 (IIA Advanced) and 65.251 (IIB
Advanced). These Advanced Units are also open to students
who simply wish to study more Spanish language at Second
Year level. See also note to Upper Level units above.

**65.250   Spanish and Latin American   S1 L1T6½
          Studies IIA (Advanced)**

Prerequisite: 65.100 (IA). Excluded: 65.200 (IIA).

As for 65.200 (IIA) plus composition through literature (one
hour per week).

**65.251   Spanish and Latin American   S2 L1T6½
          Studies IIB (Advanced)**

Prerequisite: 65.250 (IIA Advanced). Excluded: 65.201 (IIB).

As for 65.201 (IIB) plus composition through literature (one
hour per week).

Upper Level units

Students of Spanish who know that they will wish to
specialize in history in their third year must enrol in 65.240
(IIE) and 65.241 (IIF), in addition to other units offered at
Second Year level.

**65.210   Spanish and Latin American   S1 Sem2 T1orL1
          Studies IIC**

Prerequisite: 65.110 (IB). Excluded: 65.260 (IIC Advanced).

In addition to literature either history or linguistics is studied.

1. *Literature* (two hours seminars per week)
A survey of modern Spanish American literature.

2. *Linguistics* (one hour tutorial per week)
An introduction to linguistics with special reference to Spanish
or *History and Society* (one hour lecture per week)
Spain in the nineteenth and twentieth centuries.

**65.211   Spanish and Latin American   S2 Sem2 T1orL1
          Studies IID**

Prerequisite: 65.210 (IIC). Excluded: 65.261 (IID Advanced).

In addition to literature either history or linguistics is studied:

1. *Literature* (two hours seminars per week)
Spanish American literature from the chronicles of discovery
and conquest to modernism.

2. *Linguistics* (one hour tutorial per week)
As for 65.210 (IIC) *or*
History and Society (one hour lecture per week)
Contemporary society in Latin America.

Arts

Advanced Level units

Students who have satisfactorily completed 65.110 (IB) and who wish to proceed to Fourth Year Honours Level must enrol in 65.260 (IIC Advanced) and 65.261 (IID Advanced). These units are also open to students who simply wish to study more Spanish literature at Second Year level. See also note to Upper Level units above.

65.260   Spanish and Latin American   S1 Sem3 T1orL1 Studies IIC (Advanced)

Prerequisite: 65.110 (IB). Excluded: 65.210 (IIC).

As for 65.210 (IIC), plus seminar on the writer and society in modern Spanish America (one hour per week).

65.261   Spanish and Latin American   S2 Sem3 T1orL1 Studies IID (Advanced)

Prerequisite: 65.260 (IIC Advanced). Excluded: 65.211 (IID).

As for 65.211 (IID), plus introduction to modern literary movements (one hour per week).

Upper Level units

65.240   Spanish and Latin American   S1 L3T1 Studies IIE

Prerequisite: Level I studies in any one of the following disciplines: Spanish, Political Science, History, Economic History, Sociology. Other students may be admitted by the School.

Spain and Latin America: 1400-1810. Three hours per week lectures; one hour tutorial.

The relationship between Spain and its empire in America; the development of the social, political and economic institutions of the colonies.

This unit *must* be taken by students who intend to specialize in history in their third year in the School of Spanish. A major sequence in the School in this specialisation would be as follows: 65.100 (IA) or 65.110 (IB) or 65.120 (IC), 65.200 (IIA) and 65.201 (IIB) or 65.210 (IIC) and 65.211 (IID) or 65.220 (IIG) and 65.221 (IIH), 65.240 (IIE) and 65.241 (IIF), 65.300 (IIIA) and 65.301 (IIIB).

This unit is taught in English and may be counted as a unit in a sequence of units taken in the School of History or as part of a unit in the School of Sociology.

Only two of units 65.240 (IIE), 65.241 (IIF) and 65.244 (IIM) may be counted in a sequence of units taken in the School of History.

65.241   Spanish and Latin American   S2 L3T1 Studies IIF

Prerequisite: Level I studies in any one of the following disciplines: Spanish, Political Science, History, Economic History, Sociology. Other students may be admitted to the unit by the School.

Latin America: 1810-1978. Three hours per week lectures; one hour tutorial.

The reasons why the nations of Latin America, having gained independence from Spanish and Portuguese rule, became enmeshed in other networks of economic and political dependence and how they attempted to extricate themselves from them.

For further general information, see notes to 65.240 (IIE) above.

65.244   Spanish and Latin American   S1 L1T2 Studies IIM

Brazil: Survey of the history of Brazil from 1500 to the present. Development of Brazil as an extension of Portuguese civilization in the tropics and, conversely, the emergence of Brazil's cultural and historical uniqueness. Topics: problems of Portuguese-Indian contacts in the colonial period, colonial government and society, the transition to independence, the demise of African slavery, art, urbanism and literature since 1850, and the emergence of modern Brazil since the collapse of the monarchy (1889). This unit is taught in English and may be counted as a unit in a sequence of units taken in the School of History. For further general information, see description to subject 65.240 (IIE) above.

65.245   Spanish and Latin American   S2 L1T2 Studies IIN

The Art of pre-columbian and colonial Latin America: The first half of the session: the high civilizations of Middle America, Andean South America and the so-called 'Intermediate Zone' in terms of their visual arts. Stress on pre-columbian architecture and urbanism. Remainder of the session: the emergence of a colonial artistic and architectural tradition emphasizing the problem of indigenous survivals and the adaptation of European styles (Plateresque, Baroque, Rococo and Neo-classic) to the new world environment.

65.220   Spanish and Latin American   S1 L1T5½ Studies IIG

Prerequisite: 65.120 (IC). Excluded: 65.270 (IIG Advanced).

Students of Spanish who know that they will wish to specialize in history in their third year must enrol in 65.240 (IIE) and 65.241 (IIF), in addition to other units offered at Second Year level.

1. *Language* (four and a half hours tutorials per week)
An intensive study of the Spanish language.

2. *History and Society* (one hour lecture per week)
Spain in the nineteenth and twentieth centuries.

3. *Literature* (one hour seminar per week)
An introduction to literary studies through modern Spanish texts.

65.221   Spanish and Latin American   S2 L1T5½ Studies IIH

Prerequisite: 65.220 (IIG). Excluded: 65.271 (IIH Advanced).

1. *Language* (four and a half hours tutorials per week)
An intensive study of the Spanish language.

2. *History and Society* (one hour lecture per week)
Contemporary Society in Latin America.

3. *Literature* (one hour seminar per week)
An introduction to literary studies through modern Spanish American texts.

Advanced Level units

Students who have passed 65.120 (IC) and who wish to proceed to Fourth Year Honours Level must enrol in 65.270 (IIG Advanced) and 65.271 (IIH Advanced). These units are also open to students who simply wish to study more Spanish language at Second Year Level. See also note to 65.220 (IIG) above.

65.270   Spanish and Latin American   S1 L1T6½
Studies IIG (Advanced)

Prerequisite: 65.120 (IC). Excluded: 65.220 (IIG)

As for 65.220 (IIG), plus composition through literature as for 65.250 (IIA Advanced).

65.271   Spanish and Latin American   S2 L1T6½
Studies IIH (Advanced)

Prerequisite: 65.270 (IIG Advanced). Excluded: 65.221 (IIH).
As for 65.221 (IIH), plus composition through literature as for 65.251 (IIB Advanced).

Upper Level units

Pass degree course students enrolled in 65.300 (IIIA) and 65.301 (IIIB) may study either literature or history; those who have passed any one of 65.201 (IIB), 65.251 (IIB Advanced), 65.221 (IIH), 65.271 (IIH Advanced) also continue their study of the Spanish language.

Pass degree course students who have passed any one of units 65.201 (IIB), 65.211 (IID), 65.221 (IIH), 65.251 (IIB Advanced), 65.261 (IID Advanced) or 65.271 (IIH Advanced), and who wish to specialize in literature should enrol for the first session in either 65.300 (IIIA) and/or 65.310 (IIIC) and for the second session in either 65.301 (IIIB) and/or 65.311 (IIID).

Pass degree course students who have passed any one of units 65.201 (IIB), 65.211 (IID), 65.221 (IIH), 65.251 (IIB Advanced), 65.261 (IID Advanced) or 65.271 (IIH Advanced) and both 65.240 (IIE) and 65.241 (IIF) and who wish to specialize in history must enrol in 65.300 (IIIA) and 65.301 (IIIB) and take the history seminar in each of these units.

Students who have not passed 65.240 (IIE) and 65.241 (IIF) but who wish to specialize in history must seek the permission of the School to be admitted into the history seminars of 65.300 (IIIA) and 65.301 (IIIB). Such students must also be enrolled concurrently in 65.240 (IIE) and 65.241 (IIF).

Pass degree students enrolled in 65.310 (IIIC) and 65.311 (IIID) who have passed either 65.211 (IID) or 65.261 (IID Advanced) may study either literature or linguistics; those who have passed any one of 65.201 (IIB), 65.251 (IIB Advanced), 65.221 (IIH), 65.271 (IIH Advanced) must study literature and language.

65.300   Spanish and Latin American   S1 T7½
Studies IIIA

Prerequisite: any one of 65.201 (IIB), 65.251 (IIB Advanced), 65.211 (IID), 65.261 (IID Advanced), 65.221 (IIH), 65.271 (IIH Advanced). Excluded: 65.350 (IIIA Advanced).

1. *Language* for students who have passed one of 65.201 (IIB), 65.251 (IIB Advanced), 65.221 (IIH), 65.271 (IIH Advanced). Four and a half hours per week.
An intensive study of the Spanish language.

2. *Literature* (three hours per week)
Either

(1) for students who have passed any one of 65.201 (IIB), 65.251 (IIB Advanced), 65.221 (IIH), 65.271 (IIH Advanced): A study of modern Spanish literature.

Or

(2) for students who have passed 65.211 (IID) or 65.261 (IID Advanced): A critical study of major works of Spanish literature.

3. *History* additional prerequisites: 65.240 (IIE) and 65.241 (IIF).
Three hours per week.
Nineteenth-century Latin America.

65.301   Spanish and Latin American   S2 T7½
Studies IIIB

Prerequisite: 65.300 (IIIA) or 65.310 (IIIC). Excluded: 65.351 (IIIB Advanced).

1. *Language* for students who have passed any one of 65.201 (IIB), 65.251 (IIB Advanced), 65.221 (IIH), 65.271 (IIH Advanced).
As for 65.300 (IIIA).

2. *Literature* (three hours per week)
Either

(1) for students who have passed any one of 65.201 (IIB), 65.251 (IIB Advanced), 65.221 (IIH), 65.271 (IIH Advanced): A survey of Spanish Golden Age literature.

Or

(2) for students who have passed 65.211 (IID) or 65.261 (IID Advanced): A critical study of major works of modern Spanish literature.

3. *History* additional prerequisites: 65.240 (IIE) and 65.241 (IIF): The Cuban Revolution.

65.310   Spanish and Latin American   S1 T7½
Studies IIIC

Prerequisite: any one of 65.201 (IIB), 65.251 (IIB Advanced), 65.211 (IID), 65.261 (IID Advanced), 65.221 (IIH), 65.271 (IIH Advanced). Excluded: 65.360 (IIIC Advanced).

1. *Language* for students who have passed any one of 65.201 (IIB), 65.251 (IIB Advanced), 65.221 (IIH), 65.271 (IIH Advanced): As for 65.300 (IIIA).

2. *Literature* (three hours per week)

(1) for students who have passed any one of 65.201 (IIB), 65.251 (IIB Advanced), 65.221 (IIH), 65.271 (IIH Advanced): A survey of modern Spanish American literature.

(2) for students who have passed 65.211 (IID) or 65.261 (IID Advanced): A critical study of major works of modern Spanish American fiction.

3. *Linguistics:* for students who have passed 65.211 (IID) or 65.261 (IID Advanced): Applied linguistics with reference to Spanish.

65.311 Spanish and Latin American S2 T7½ Studies IIID

Prerequisite: 65.300 (IIIA) or 65.310 (IIIC). Excluded: 65.361 (IIID Advanced).

1. *Language* for students who have passed any one of 65.201 (IIB), 65.251 (IIB Advanced), 65.221 (IIH), 65.271 (IIH Advanced): As for 65.300 (IIIA).

2. *Literature* (three hours per week)

(1) for students who have passed any one of 65.201 (IIB), 65.251 (IIB Advanced), 65.221 (IIH), 65.271 (IIH Advanced): Spanish American literature from the chronicles of discovery and conquest to Modernism.

(2) for students who have passed 65.211 (IID) or 65.261 (IID Advanced): A critical study of major works of modern Spanish American poetry.

3. *Linguistics* for students who have passed 65.211 (IID) or 65.261 (IID Advanced): Sociolinguistics with reference to Spanish.

Advanced Level units

The following units are designed for students wishing to proceed to Fourth Year Honours Level. They are also open to students who simply wish to study more Spanish literature, linguistics or history at third-year level.

Students wishing to enrol in these units but who have not completed the second-year advanced work which forms the prerequisite for enrolment may be admitted at the discretion of the School, provided they complete all outstanding Level II advanced work concurrently with enrolment in these units.

Intending Fourth Year Honours students must enrol in one of the following combinations of units:

1. Candidates for single special honours should enrol in all four units.

2. Candidates for combined special honours should enrol in Session 1 in *either* 65.350 (IIIA Advanced) or 65.360 (IIIC Advanced) and in Session 2 in *either* 65.351 (IIIB Advanced) or 65.361 (IIID Advanced).

65.350 Spanish and Latin American S1 T8½ Studies IIIA (Advanced)

Prerequisite: satisfactory performance in any one of the following pairs of units: 65.250 (IIA Advanced) and 65.251 (IIB Advanced), 65.260 (IIC Advanced) and 65.261 (IID Advanced), 65.270 (IIG Advanced) and 65.271 (IIH Advanced). Excluded: 65.300 (IIIA).

As for 65.300 (IIIA), plus one of the following (one extra hour per week):

1. *Seminar* on critical methods for students specializing in literature.

2. *Project* for students specializing in history.

65.351 Spanish and Latin American S2 T8½ Studies IIIB (Advanced)

Prerequisite: 65.350 (IIIA Advanced) or 65.360 (IIIC Advanced). Excluded 65.301 (IIIB).

As for 65.301 (IIIB), plus as for 65.350 (IIIA Advanced).

65.360 Spanish and Latin American S1 T8½ Studies IIIC (Advanced)

Prerequisite: satisfactory performance in any one of the following pairs of units: 65.250 (IIA Advanced) and 65.251 (IIB Advanced), 65.260 (IIC Advanced) and 65.261 (IID Advanced), 65.270 (IIG Advanced) and 65.271 (IIH Advanced). Excluded: 65.310 (IIIC).

As for 65.310 (IIIC), plus one of the following (one extra hour per week):

1. *Seminar* on critical methods for students specializing in literature.

2. *Project* for students specializing in linguistics.

65.361 Spanish and Latin American S2 T8½ Studies IIID (Advanced)

Prerequisite: 65.350 (IIIA Advanced) or 65.360 (IIIC Advanced). Excluded: 65.311 (IIID).

As for 65.311 (IIID), plus as for 65.360 (IIIC Advanced).

Honours Level units

65.400 Spanish and Latin American FT8½ Studies (Honours)

Prerequisite for candidates for the single special honours degree: satisfactory performance in all of 65.350 (IIIA Advanced), 65.351 (IIIB Advanced), 65.360 (IIIC Advanced) and 65.361 (IIID Advanced).

Prerequisite for candidates for a combined special honours degree: satisfactory performance in 65.350 (IIIA Advanced) or 65.360 (IIIC Advanced) and in 65.351 (IIIB Advanced) or 65.361 (IIID Advanced).

1. *Language* for students who in their second year of Spanish studies passed 65.251 (IIB Advanced) or 65.271 (IIH Advanced) four and a half hours per week. Advanced study of the Spanish language.

2. *Literature, Linguistics, Thought and History*

Candidates for the single special honours degree shall normally take four seminars, usually two in each session; a short thesis written in Spanish on the subject of one of the seminars shall normally be presented.

Candidates for a combined special honours degree shall normally take two seminars, one in each session and present a short thesis on a subject approved by both Schools concerned.

All students specializing in literature who passed 65.251 (IIB Advanced) or 65.271 (IIH Advanced) in their fourth session of study in the School take a seminar on major works of Spanish literature. If they are candidates for the single special honours degree, they take in addition two of the following seminars:

A critical study of major works of:

(1) modern Spanish literature;

(2) modern Spanish American fiction;

(3) modern Spanish American poetry;

and one other seminar, to be chosen in consultation with the staff of the School. If they are candidates for the combined special honours degree, they take only one seminar chosen in consultation with the staff of the School in addition to that on major works of Spanish literature and to preparation of the thesis.

All other students choose the requisite number of seminars in consultation with the staff of the School.

Financial Assistance to Students

The scholarships and prizes listed below are available to students whose courses appear in this handbook. Each faculty handbook contains in its **Faculty Information** section the scholarships and prizes available within that faculty. The **General Information** section of the Calendar contains a comprehensive list of scholarships and prizes offered throughout the University.

Scholarships

Undergraduate Scholarships

As well as the assistance mentioned earlier in this Handbook (see **General Information: Financial Assistance to Students**) there are a number of scholarships available to students. What follows is an outline only. Full information may be obtained from the Student Employment and Scholarships Unit, located on the Ground Floor of the Chancellery. Unless otherwise indicated in footnotes, applications for the following scholarships should be made to the Registrar by 14 January each year. Please note that not all of these awards are available every year.

Donor	Value	Year/s of Tenure	Conditions
General			
Bursary Endowment Board*	$150 pa	Minimum period of approved degree/ combined degree course	Merit in HSC and total family income not exceeding $4000.
Sam Cracknell Memorial	Up to $3000 pa payable in fort- nightly instalments	1 year	Prior completion of at least 2 years of a degree or diploma course and enrolment in a full-time course during the year of application; academic merit; participation in sport both directly and administratively; and financial need.

*Apply to The Secretary, Bursary Endowment Board, Box 7077, GPO, Sydney 2001 immediately after sitting for HSC.

Undergraduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions

General (continued)

Donor	Value	Year/s of Tenure	Conditions
Girls Realm Guild Scholarship	Up to $1500 pa	1 year renewable for the duration of the course subject to satisfactory progress and continued demonstration of need	Available only to female students under 35 years of age enrolling in any one year of a full-time undergraduate course on the basis of academic merit and financial need.

Science

Mathematics

Donor	Value	Year/s of Tenure	Conditions
Olivetti Australia Pty Ltd	Up to $600 pa	2 years subject to satisfactory progress	Eligibility for admission to the third year of an honours program in the School of Mathematics in Pure/Applied Mathematics, Theoretical Mechanics or Statistics and leading to the award of the degree of Bachelor of Arts, Bachelor of Science, or Bachelor of Science Diploma in Education.
George Szekeres Award	$200 pa	1 year	Open to students entering the final year of the honours course in Pure Mathematics.

Graduate Scholarships

Application forms and further information are available from the Student Employment and Scholarships Unit, which is located on the ground floor of the Chancellery. This Unit produces the booklet *Graduate Awards,* and also provides information on additional scholarships which may become available from time to time, mainly from funds provided by organizations sponsoring research projects.

Where possible, the scholarships are listed in order of the schools within the faculty.

Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions

General

Donor	Value	Year/s of Tenure	Conditions
University of New South Wales Research Awards		1-2 years for a Masters and 3-4 years for a PhD degree	Applicants must be honours graduates (or equivalent). Applications to Registrar by 31 October (30 November in special circumstances).
Commonwealth Postgraduate Research Awards		As above	Applicants must be honours graduates (or equivalent) who will graduate with honours in current academic year, and who are permanent residents of Australia.
Commonwealth Postgraduate Course Awards	Living allowance of $4200 pa Other allowances may also be paid.	1-2 years; minimum duration of course	Preference is given to applicants with employment experience. Applicants must be graduates or scholars who will graduate in current academic year, and who are permanent residents of Australia, and who have not previously held a Commonwealth Postgraduate Award. Applications to Registrar by 30 September. In special circumstances applications will be accepted to 30 November.
Australian American Educational Foundation Travel Grant*			Applicants must be graduates, senior scholars or post-doctoral Fellows. Applications close 30 September.
Australian Federation of University Women	A total of $500/$3200	Up to 1 year	Applicants must be female graduates from any accredited Australian or overseas university.
The British Council Commonwealth University Interchange Scheme	Cost of travel to UK or other Commonwealth country university		Applicants must be: 1. University staff on study leave. Applications close with Registrar by 30 November. For visits to commence during ensuing financial year 1 April to 31 March. 2. Graduate research workers holding research grants. Applications close with Registrar by 31 January for visits to commence during ensuing 1 April to 31 March.
The Caltex Woman Graduate of the Year Scholarship	$5000 pa for further studies in USA, UK, Northern Europe or in special cases Australia. There are no special allowances for travel or accommodation for married graduates	2 years	Applicants must be female graduates who will have completed a University degree or diploma this year and who are Australian citizens or have resided in Australia for at least seven years. Selection is based on scholastic and literary achievements, demonstrable qualities of character and accomplishments in cultural and/or sporting/recreational activities.
Canadian Pacific Airlines Award for Travel to Canada for University Graduates	One free economy class return flight a year to Canada		Graduates of an Australian University who are Australian citizens or permanent residents. Candidates must have been accepted by a Canadian University, be able to support themselves on a full-time basis, and intend to return to Australia. Applications close with Registrar by 31 May.

*Application forms are available from: The Secretary, Department of Education, AAEF Travel Grants, PO Box 826, Woden, ACT 2606.

Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions

General (continued)

Donor	Value	Year/s of Tenure	Conditions
Commonwealth Scholarship and Fellowship Plan	Varies for each country. Generally covers travel, living, tuition fees, books and equipment, approved medical expenses. Marriage allowance may be payable	Usually 2 years, sometimes 3	Graduates who are Commonwealth citizens or British Protected Persons, and who are not older than 35 years of age. Applications close with Registrar by 1 October.
Gowrie Graduate Research Travelling Scholarship	Maximum $2000 pa	2 years	Applicants must be members of the Forces or children of members of the Forces who were on active service during the 1939-45 War.
Harkness Fellowships of the Commonwealth Fund of New York*	Living and travel allowances, tuition and research expenses, book and equipment and other allowances	Between 12 to 21 months	Candidates must be either: **1.** Members of the Commonwealth or a State Public Service or semi-government Authority. **2.** Staff or graduate students at an Australian university. **3.** Individuals recommended for nomination by the Local Correspondents. The candidate will usually have an honours degree and be between 21-30 years of age. Applications close 23 July.
Frank Knox Memorial Fellowships at Harvard University	Stipend of $3600 plus tuition fees pa	2 years	Applicants must be British subjects and Australian citizens, who are graduates or near graduates of an Australian University.
Nuffield Foundation Commonwealth Travelling Fellowships†	Living and travel allowances	1 year	Australian citizens usually between 25 and 35 who are graduates preferably with higher degrees and who have at least a year's teaching or research experience at a university. Applications close by February.
The Rhodes Scholarship**	£3000 stg pa	2 years, may be extended for a third year	Unmarried male and female British subjects, between the ages 19 and 25 who have been domiciled in Australia at least 5 years and have completed at least 2 years of an approved university course. Applications close in July each year.
Rothmans Fellowships Award‡	$12000 pa	Up to 3 years	The field of study is unrestricted. Applications close early September each year.

*Application forms must be obtained from the Australian representative of the Fund, Mr L. T. Hinde, Reserve Bank of Australia, Box 3947, GPO, Sydney, NSW 2001. These must be submitted to the Registrar by 24 July.

†Applications to the Secretary, The Nuffield Foundation Australian Advisory Committee, PO Box 783, Canberra City 2601.

**Applications to Mr H. McCredie, Secretary of the NSW Committee, University of Sydney, NSW 2006.

‡Applications to The Secretary, Rothmans University Endowment Fund, University of Sydney, NSW 2006.

Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
Arts, Commerce, Law			
Shell Scholarship in Arts	£3250 stg pa plus travelling expenses	2 years	Applicants must be unmarried, male, British subjects, under 25 years of age, with at least 5 years domicile in Australia and who are completing a full-time course in Law or a full-time honours course for Bachelor of Arts or Commerce. The successful candidate will attend a British University to pursue an honours or higher degree. Applications close with the Registrar by 1 October.

Prizes

Undergraduate University Prizes

The following table summarizes the undergraduate prizes awarded by the University. Prizes which are not specific to any School are listed under 'General'. All other prizes are listed under the Faculty or Schools in which they are awarded.

Donor/Name of Prize	Value $	Awarded for
General		
Sydney Technical College Union Award	50.00	Leadership in the development of student affairs, and academic proficiency throughout the course.
University of New South Wales Alumni Association	Statuette	Achievement for community benefit — students in their final or graduating year.

Undergraduate University Prizes (continued)

Donor/Name of Prize	Value $	Awarded for
School of Chemistry		
Advanced Analytical Chemistry	100.00	2.013D Advanced Analytical Chemistry.
Australian Chemical Holdings Ltd	25.00	2.001 Chemistry I.
Australian Consolidated Industries Ltd	30.00	
Borden Chemical Co (Aust) Pty Ltd	50.00	Subject selected by Head of School.
Chamber of Manufacturers of New South Wales	15.00	
CSR Chemicals Ltd	100.00	Chemistry Honours.
Inglis Hudson Bequest	Advised annually	2.002B Organic Chemistry I.
The Nestlé Co (Aust) Ltd	50.00	
UNSW Chemical Society Parke-Pope	20.00	Subject selected by Head of School.
Tooth & Co Ltd	20.00	
Unilever Aust Pty Ltd	21.00	2.013A Introductory Quantum Chemistry.
UNSW Chemical Society George Wright	20.00	Subject selected by Head of School.
School of Drama		
Fourth Centenary Shakespeare	100.00	Essay on Shakespearean topic.
School of Economics		
Australian Finance Conference	50.00	15.083 Public Finance.
Brinds Ltd	100.00	15.013 Economics IIIA (Honours) and 15.033 Economics IIIB (Honours).
School of English		
New South Wales Association of University Women Graduates	20.00	English essays — women students only.
School of History		
The Ritchie Medal for Australian History	Medal	Excellence in Australian History — within the Bachelor of Arts degree course.
The Winifred Mitchell Medal	Medal	Subject selected by Head of School.

Undergraduate University Prizes (continued)

Donor/Name of Prize	Value $	Awarded for

School of Mathematics

ICI Australia Ltd	50.00	Theory of Statistics IV.
School of Mathematics	30.00	Excellence in 10.011 Higher Mathematics I.
	30.00	Excellence in the 3 subjects: 10.121A Higher Pure Mathematics II — Algebra, 10.121B Higher Pure Mathematics II — Real and Complex Analysis and 10.221A Higher Applied Mathematics II — Mathematical Methods.
	30.00	Excellence in 5 or more Level 2 Mathematics subjects.
Head of School's Prize	50.00	Excellence in 5 or more Level 2 Mathematics subjects.
The Pure Mathematics Prize	40.00	Excellence in Level 3 Pure Mathematics subjects.
The Applied Mathematics Prize	40.00	Excellence in Level 3 Applied Mathematics subjects.
The Theoretical Mechanics Prize	40.00	Excellence in Level 3 Theoretical Mechanics subjects.
Statistical Society of Australia (New South Wales Branch)	50.00	General proficiency — Theory of Statistics subjects.
The Broken Hill Proprietary Co Ltd	50.00	Higher Theory of Statistics II.
W. D. & H. O. Wills (Aust) Ltd	50.00	Higher Theory of Statistics III.

School of Political Science

Australian Institute of Political Science	40.00 and one year's subscription to the 'Australian Quarterly'	Political Science Stage I.
Staff of the School of Political Science	50.00	Political Science Stage II.
The Shell Co of Aust Ltd	100.00	Distinguished performance in the Political Science Course.
The Sydney Morning Herald	100.00	Political Science Stage III or IV.

School of Psychology

Psychology Staff Prize	10.00	Best Psychology Year II.
Australian Psychological Society	100.00	A Year IV Psychology subject selected by Head of School.

Staff

Comprises Schools of Drama, English, French, German, History, History and Philosophy of Science, Philosophy, Political Science, Russian, Sociology, Spanish and Latin American Studies.

Dean
Professor F. K. Crowley

Chairman
Professor C. R. Bell

Professor of Russian
Tatjana Cizova, BA *Syd.* and *Lond.*, DiplSlavStudies *Oxf.*

Executive Assistant
Dr I. D. Black

Administrative Assistant
Sheena Mary Watt, MA *Edin.*

Research Assistant
Jacqueline Ilbery, BA *N.S.W.*

School of Drama

Professor of Drama
Vacant

Senior Lecturer and Acting Head of School
Oliver Fiala, BA MEd DipEd *Syd.*, PhD *Colorado*, MACE

Senior Lecturers
Victor Eugene Emeljanow, MA *N.Z.*, PhD *Stan.*
Philip Edward Parsons, BA *W.Aust.*, MA PhD *Camb.*
Marie-Louise Mathilde Thiersch, MA *Adel.*, PhD *N.S.W.*
Jean Wilhelm, AB *Smith*, MA *West Virginia*, PhD *Minn.*

Lecturers
Peter Rene Gerdes, PhD *Basle*
John Duncan Golder, BA *R'dg.*, MA *Brist.*
Margaret Anne Williams, BA *Melb.*, PhD *Monash*

Tutors
Sarnar Attar, PhD *S.U.N.Y.*
Timothy Fitzpatrick, BA *Syd.*
Jacqueline Betty Phillis Lyons, BA *Brist.*

School of English

Professor of English and Head of School
Harold James Oliver, MA *Syd.*, FAHA

Professor of English Designate
Bernard Kilgour Martin, MA *Well.*, MLitt *Camb.*

Arts

Associate Professor
Ronald George Geering, MA DipEd *Syd.*

Senior Lecturer
James Michael Allen, BA *Witw.* and *Oxf.*
Mary Elizabeth Chan, MA *Victoria*, PhD *Camb.*, LTCL

Lecturers
Peter Fraser Alexander, BA *Witw.*, MA *Leeds*, PhD *Camb.*
Eleanore Margaret Bradstock, BA DipEd *Syd.*, MA *Macq.*
Michael Joseph Crennan, MA *Melb.*
Roslynn Doris Haynes, BSc *Syd.*, MA *Tas.*, PhD *Leic.*
Anthony John Bruce Johnson, MA *Adel.*, PhD *Lond.*, DipT *Adel. T.C.*
Denise Desiree Harding Kaifas, BA *Syd.*, MA DipClassArchaeol *Oxf.*
Richard Elton Raymond Madelaine, BA *Adel.*, PhD *Lond.*
Janet Christine Walker, MA *Syd.*

Senior Tutor
Pauline Ethel Watson, BA DipEd *Syd.*, MA *N.S.W.*

Tutors
Christine Anne Alexander, MA *Cant.*
Alan Gibson Kennedy, MA LLB *Syd.*
Geoffrey Keith McLennan, BA *Syd.*

Tutors
Anne Marie Nisbet, MèsL LèsL *Toulouse*, MA *S.U.N.Y.*
Nelly Andrée Pointis, LèsL *Paris*
Françoise Josette Saint, MèsL LèsL CAPES *Paris*
Luciana Josephine Trojer, BA *N.S.W.*, MèsL *Paris-Sorbonne*

School of German

Professor of German and Head of School
John Rowland Milfull, BA PhD *Syd.*

Senior Lecturer
Gero Max von Wilpert, PhD *N.S.W.*

Lecturers
Gerhard Fischer, MA PhD *N.Y. State*
Bernd Rüdiger Hüppauf, DrPhil *Tübingen*
Konrad Kwiet, DrPhil habil *F.U. Berlin*
Olaf Günter Reinhardt, BA PhD *Syd.*
Harry Leonard Simmons, BA *W.Aust.*, PhD *A.N.U.*

School of History

Professor of History and Head of School
Frank Keble Crowley, MA PhD *Melb.*, DPhil *Oxf.*, FAHA

Professor of History
Patrick James O'Farrell, MA *N.Z.*, PhD *A.N.U.*, FAHA

Associate Professor
Kathleen Nellie Woodroofe, MA PhD *Adel.*

School of French

Professor of French and Head of School
Jean Stephane Jacques Roger Henri Chaussivert, LèsL *Paris*, MèsL *Poitiers*

Senior Lecturer
Michael John Freyne, MA *N.Z.*, LèsL Dipl.d'Et. Prat.(Phon.) *Paris*, DèsL *Paris-Sorbonne*
Anthony Stewart Newman, BA DipEd *Syd.*, DU *Besançon*

Lecturers
Maurice John Blackman, BA *Syd.*, PhD *N.S.W.*
Emmeline Marie Josette Boothroyd, BA *Syd.*, PhD *N.S.W.*
Alan Lawrence Chamberlain, BA DipEd *Syd.*, DU *Paris*
Vera Sauran, LScPol *Paris*, PhD *N.S.W.*

Senior Lecturers
Ian James Bickerton, BA *Adel.*, MA *Kansas*, PhD *Claremont*
Ian Donald Black, BA *Adel.*, PhD *A.N.U.*
Richard Ian Cashman, BA *Syd.*, MA *Monash*, PhD *Duke*
Alan David Gilbert, MA *A.N.U.*, DPhil *Oxf.*
John Edward Ingleson, MA *W.Aust.*, PhD *Monash*
Beverley Rhonda Kingston, BA *Qld.*, PhD *Monash*
Michael Naylor Pearson, MA *Auck.*, PhD *Mich.*

Lecturers
Philip Sidney Edwards, BA *Lond.*, PhD *Camb.*
Frank Farrell, BA *A.N.U.*, DipEd *Canberra C.A.E.*, PhD *A.N.U.*
Maxwell Vernon Harcourt, MA *W.Aust.*, PhD *Sus.*
Martyn Lyons, BA PhD *Oxf.*
Alfred William McCoy, BA *Col.*, MA *Calif.*, PhD *Yale*
Michael Matthew McKernan, BA *A.N.U.*, PhD *A.N.U.*
Kui-Kwong Shum, BA MPhil *H.K.*
Jürgen Tampke, BA *Macq.*, PhD *A.N.U.*
Ian Robert Tyrrell, BA *Qld.*, MA PhD *Duke*
David Robert Walker, BA *Adel.*, PhD *A.N.U.*

Tutors
Despina Balzidis, BA *Melb.*
Dianne Olive Collins, BA *N.S.W.*, PhD *Syd.*
Andrew James Major, MA *Cant.*
Carolyn O'Brien, MA *Qld.*
Gail Olivia Pearson, BA *Qld.*
Andree Margaret Wright, BA *A.N.U.*
Richard Reginald Yeo, BA PhD *Syd.*

School of History and Philosophy of Science

Professor of History and Philosophy of Science and Head of School
Jarlath Ronayne, MA *Dub.*, PhD *Camb.*

Professor of History and Philosophy of Science
John Basil Thornton, BA BSc *Syd.*

Senior Lecturers
William Randall Albury, BA PhD *Johns H.*
William Hilton Leatherdale, BA *Melb.*, PhD *N.S.W.*
David Roger Oldroyd, MA *Camb.*, MSc *Lond.*, PhD *N.S.W.*
John Richard Saunders, BSc *Sus.*, PhD *N.S.W.*

Lecturer
Guy Allard Freeland, BA PhD *Brist.*, CertHist&PhilosSci *Camb.*

Senior Tutor
Nessy Allen, BA DipEd *N.S.W.*

Tutors
Paul Stuart Foss, BPharm *Syd.*, MSc *Syd.*
Paul Bernard Lopert, MSc *Syd.*

Honorary Visiting Fellow
Robert Mortimer Gascoigne, MSc *Syd.*, PhD *Liv.*

School of Philosophy

Professor of Philosophy and Head of School
Charles Leonard Hamblin, BSc MA *Melb.*, PhD *Lond.*

Senior Lecturers
Richard Eric Dowling, BA *Syd.*, PhD *Lond.*
Peter Cornwallis Gibbons, BA *Syd.*, BPhil *Oxf.*
Raymond Steven Walters, MA *Syd.*

Lecturers
Stephen Cohen, AB *Brandeis*, MA PhD *Chic.*
Francis Neil Harpley, BA *Syd.*
Barbara Anne Roxon, BA *Syd.*
Frank Vlach, MA PhD *Calif.*

School of Political Science

Professor of Political Science and Head of School
Douglas MacRae McCallum, BA *Syd.*, MA BPhil *Oxf.*

Professor of Political Science
Preston King, BA *Fisk, Tennessee*, MSc PhD *L.S.E.*

Associate Professor
Owen Harries, BA *Wales*, MA *Oxf.*

Senior Lecturers
Conal Stratford Condren, MSc(Econ) PhD *Lond.*
Donald Richmond Horne
Frederick Alexander Mediansky, BA *San Francisco*, PhD *Syd.*
Anthony Creedon Palfreeman, LèsScPol *Geneva*, MA *A.N.U.*
George Shipp, MEc *Syd.*

Arts

Lecturers
Adrian Man-Cheong Chan, BA *Syd.*, PhD *A.N.U.*
Sailesh Chandra Ghosh, BA *Dacca*, MA *Calc.*, MSocSc *Inst.Soc.Stud., The Hague*, PhD *Manc.*
Damian John Grace, BA *N.S.W.*
John Barrington Paul, MA *Melb.*
Elaine Vera Thompson, BEc PhD *Syd.*

Tutors
Philippa Ann Hall, BA *Syd.*
Christopher John McGillion, BA *Syd.*
Penelope Watson, BA *Tas.*, LLB *N.S.W.*
Thomas Wheelwright, BA *N.S.W.*

School of Russian

Acting Head of School
Professor J.S.J.R.H. Chaussivert (Professor of French)

Senior Lecturer
Michael Ulman, Diplom *Leningrad State Univ.*

Lecturer
Barry Edward Lewis, BA MPhil *Leeds*

School of Sociology

Professor of Sociology and Head of School
Colin Roy Bell, BA *Keele*, MScEcon *Wales*

Professor of Sociology
Solomon Encel, MA PhD *Melb.*

Senior Lecturers
Lois Joyce Bryson, BA DipSocStud DipEd *Melb.*, PhD *Monash*
Stephen Oliver D'Alton, MEc *Syd.*, PhD *N.S.W.*
Alexander Kondos, BA *W. Aust.*, PhD *N.S.W.*
Michael Pusey, BA *Melb.*, DipEd *Tas.*, EdD *Harv.*

Lecturers
Michael Paul Bittman, BA *N.S.W.*
William John Bottomley, BA *Syd.*
Bettina Cass, BA *N.S.W.*
Terence Sean Leahy, BA *Syd.*, MA *Car.*
Frances Hewlett Lovejoy, BSc BCom *Qld.*, MAgEc *N.E.*
Alexander Francis Mamak, BA *Calif.*, MA PhD *Hawaii*
Grant Edwin McCall, BA *Calif. and San Francisco*, BLitt *Oxf.*, PhD *A.N.U.*
Hannah Elina Middleton, BA *Lond.*, PhD *Berlin East*
John Joseph Ray, MA *Syd.*, PhD *Macq.*
Henrietta Resler, BA *N.S.W.*
James Stanley Ward, BA *Calg.*, BPhil *Liv.*, PhD *Maryland*

Tutors
Cristina Cordero, Geog *Chilean State*, CertD'EtudesSup *Bordeaux*
Mira Crouch, BA *Syd.*
Ann Emily Daniel, BEc *Syd.*
Kate Frances Inglis, BA *Hull*

School of Spanish and Latin American Studies

Professor of Spanish and Head of School
Robert Johnson, MA *Camb.*

Senior Lecturers
James Robert Levy, MA *Col.*, PhD *Penn.*
Luis Alberto Vargas Saavedra, MA *Chile*, PhD *Madrid*

Lecturers
Jane Yankovic Bandler, BA *Chatham*, MA PhD *Yale*
Miguel Americo Bretos, BA *St. Bernard College Alabama*, MA *Univ. of Nebraska*, PhD *The Vanderbilt Univ.*
John Thomas Brotherton, BA PhD *Birm.*
Stephen William George Gregory, MA *Sheff.*
John Stevenson, MA *Essex* and *Lond.*

Timetable

This timetable is subject to alteration. Students should consult Faculty and School noticeboards for changes, lecture locations prior to enrolment and for subjects not listed. In general, subjects are arranged in alphabetical order, under the heading of the School concerned.

Biology

	Subject	Lectures	Tutorials/Practicals
17.031	Cell Biology	Lecture A: M 3-4 *or* T 6-7 *or* W 10-11 Lecture B: Th 9-10 *or* F 2-3 *or* T 7-8	**Practical — 3 hours** **Tutorials — 1 hour** A = W 2-5, T 3-4 B = Th 10-1, T 11-12
17.021	Biology of Higher Organisms	As for 17.031	As for 17.031

Drama

57.121	Introduction to the Theatre (S1)	M 10-11, T 9-10, W 12-1	⎫
57.122	Modern Theatre (S2)	M 10-11, T 9-10, W 12-1	⎬ 1 Tutorial of 2 hours' duration. Time to be arranged by School
57.123	The Play in Performance I (S1)	T 11-12, Th 10-11	
57.124	The Play in Performance II (S2)	T 11-12, Th 10-11	⎭

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Economic History*

	Subject	Lectures	Tutorials/Practicals
15.601	Economic History IA (S1)	Group A M 12-1, Th 12-1 Group B M 4-5, Th 4-5 Group C M 7-8, Th 7-8	
	(S2)	M 7-8, Th 7-8	
15.611	Economic History IB (S1)	M 7-8, Th 7-8	
	(S2)	M 12-1, Th 12-1 or M 7-8, Th 7-8	} To be arranged
15.701	Economic History IA (Arts) (S1)	T 10-11, W 10-11 or T 6-7, W 6-7	
15.711	Economic History IB (Arts) (S2)	T 10-11, W10-11 or T 6-7, W 6-7	

*Students should consult the Faculty of Commerce Handbook for additional information on Economic History subjects.

Economics*

	Subject	Lectures	Tutorials/Practicals
15.001	Economics IA (S1)	Group A M 10-11, Th 10-11 Group B T 12-1, Th 9-10 Group C T 6-7, Th 6-7 Group D T 6-7, Th 6-7	
	(S2)	T 11-12, Th 10-11 or T 6-7, Th 6-7	
15.011	Economics IB (S1)	T 11-12, Th 10-11 or T 6-7, Th 6-7	} To be arranged
	(S2)	Group A M 10-11, Th 10-11 Group B T 12-1, Th 9-10 Group C T 6-7, Th 6-7 Group D T 6-7, Th 6-7	
15.062	Economics IID (S1)	M 11-12, Th 11-12 or M 6-7, Th 6-7	
	(S2)	M 10-11, W 10-11 or M 6-7, Th 6-7	

Economics* (continued)

	Subject	Lectures	Tutorials/Practicals
15.072	Economics IIE (S1)	M 10-11, W 10-11 *or* M 6-7, W 6-7	
	(S2)	T 4-5, W 4-5	
15.411	Quantitative Methods IA (S1)	Group A M 11-12, Th 11-12 Group B M 4-5, Th 4-5 Group C M 6-7, Th 6-7	To be arranged
	(S2)	M 4-5, Th 4-5	
15.421	Quantitative Methods IB (S1)	M 4-5, Th 4-5	
	(S2)	Group A M 11-12, Th 11-12 Group B M 4-5, Th 4-5 Group C M 6-7, Th 6-7	

*Students should consult the Faculty of Commerce Handbook for additional information on Economics subjects.

English

	Subject	Lectures	Tutorials/Practicals
50.511	English IA	W 11-12, Th 11-12, F 11-12	
50.521	English IB	W 11-12, Th 11-12, F 11-12	
50.512	English IIA	W 3-4, Th 3-4, F 3-4	
50.522	English IIB	W 11-12, Th 2-3, Fri 2-3	
50.513	English IIIA	W 12-1, Th 12-1, F 12-1	To be arranged
50.523	English IIIB	T 2-4, W 2-4, F 9-10	
50.532	English IIC (Advanced)	As for 50.512 *plus* W 12-1, F 12-1	
50.514	English IVA	T 2-4, Th 2-4, F 2-4	

French

	Subject	Lectures	Tutorials/Practicals
56.501	French IA—Introductory French		Language Laboratory A M 9-10, 2-3; T 9-10; Th 9-10; F 9-10, 11-12 *or* B M 11-12, 2-3; T 12-1; W 9-10, 3-4; Th 3-4 *or* C M 12-1; T 11-12, 4-5; W 10-11, 4-5; Th 4-5

French (continued)

Subject	Lectures	Tutorials/Practicals
56.511 French IB		**Language Laboratory** A M 12-1; 2-3; T 9-10; Th 11-12; F 9-10; 11-12 *or* B T 10-11, 2-3; W 3-4; Th 10-11, 3-4; F 10-11 *or* C M 10-11; W 10-11; 12-1; Th 10-11, 2-3; F 10-11 *or* D M 11-12; T 12-1; W 11-12, 2-3; Th 1-2, 3-4
French IC	Lecture M 3-4	**Tutorials** To be arranged; consult School noticeboards
56.502 French IIA—Intermediate French		**Language Laboratory** A M 10-11; T 10-11; W 2-3; Th 10-11 *or* B M 12-1; T 11-12; W 3-4; F 2-3 **Tutorials** To be arranged; consult School noticeboards
56.512 Enlightenment, Romanticism, Realism		⎫
56.162 Recent Speculations by French Intellectuals (S2)		All teaching is done in small groups. Students should consult the
56.103 Modern France A (S1)		School of French notice- boards to find out the
56.104 Modern France B (S2)		times of tutorials and lectures
56.153 Renaissance France (S1)		
56.154 Classical France (S2)		⎭

Geography

27.801	Introduction to Physical Geography (S1)	M 5-6, W 4-5	**Laboratory** Any one of M 12-2, M 3-5, M 6-8, T 12-2, W 2-4
27.802	Introduction to Human Geography (S2)	As for 27.801	As for 27.801

Geography (continued)

Subject		Lectures	Tutorials/Practicals
27.812	Human Geography (S1)	M 12-1, Th 2-3	**Laboratory** W 10-1 Tutorial to be arranged
27.811	Physical Geography (S2)	M 4-5, T 9-10	**Laboratory** F 9-12 Tutorial to be arranged
27.813	Geographic Methods	M 2-4, Th 9-11	Tutorial to be arranged
27.880	Advanced Geographic Methods	F 12-2 (S1) By arrangement (S2)	Tutorial to be arranged
27.183	Geomorphology	T 1-2, F 1-2	**Laboratory** Th 4-6 Tutorial to be arranged
27.824	Spatial Population Analysis	W 3-4, Th 9-10	**Laboratory** W 4-6
27.834	Spatial Population Analysis (Adv.)	As for 27.824 plus additional hours	
27.825	Urban Activity Systems	M 3-4, Th 12-1	**Laboratory** T 2-4
27.835	Urban Activity Systems (Adv.)	As for 27.825 plus additional hours	
27.826	Urban and Regional Development	W 2-3, Th 10-11	**Laboratory** Th 4-6
27.836	Urban and Regional Development (Adv.)	As for 27.826 plus additional hours	
27.827	Environment and Behaviour	W 10-12, Th 11-1	
27.837	Environment and Behaviour (Adv.)	As for 27.827 plus additional hours	
27.860	Landform Studies	W 4-5, Th 9-10	**Laboratory** F 9-12
27.870	Landform Studies (Adv.)	As for 27.860 plus additional hours	
27.862	Australian Environment and Natural Resources	T 10-11, Th 11-12	**Laboratory** M 3-5
27.872	Australian Environment and Natural Resources (Adv.)	As for 27.862 plus additional hours	**Laboratory** M 3-5 Tutorial to be arranged
27.863	Ecosystem and Man	M 2-3, T 1-2	
27.873	Ecosystem and Man (Adv.)	As for 27.863 plus additional hours	**Laboratory** W 9-12 Tutorial to be arranged
27.890	Thesis and Associated Seminars		To be arranged
27.893	Honours Physical Geography		To be arranged
27.894	Honours Urban Geography		To be arranged
27.895	Honours Social Geography		To be arranged

German

Subject	Lectures	Tutorials/Practicals
64.501 German IA Introductory*	**First Meeting**** M 5 March 9.15 am	

Groups

I	II	III	IV
M 9-10	T 12-1	M 11-12	M 10-11
T 9-10	T 2-3	M 12-1	M 2-3
T 11-12	W 10-11	W 11-12	T 10-11
W 10-11	W 12-1	W 2-3	W 1-2
Th 9-10	Th 12-1	Th 2-3	Th 11-12
F 9-10	F 12-1	F 2-3	F 10-11

Subject	Lectures	Tutorials/Practicals
	First Meeting** M 5 March 1.15 pm	
64.511 German IB	**Language Laboratory** T 12, Th 12	
64.502 German IIA	*or* T 3, Th 3	
64.512 German IIA (Adv.)	*or* T 11, F 11	
	Conversation M 1 *or* F 12	
	First Meeting** M 5 March 1.15 pm	
	Survey of German History and Literature	
64.521 German IC	T 10, Th 10	
64.522 German IIB	*or* W 10, F 10	
	Text Groups T1 *or* Th 2	
64.532 German IIC		
64.542 German IID		
64.552 German IID (Adv.)		
64.562 German IIE		
64.572 German IIE (Adv.)	**First Meeting**** M 5 March 2 pm	
64.503 German IIIA		
64.513 German IIIB	**Option A** (See list of options under 64.542) W 1, Th 1	
64.523 German IIIB (Adv.)		
64.533 German IIIC		
64.543 German IIIC (Adv.)		
64.553 German IIID		
64.563 German IIID (Adv.)		
64.600 German Literature and Society in the 20th Century	**First Meeting**** Th 8 March 4 pm	
	Lectures Th 4-6	

German (continued)

	Subject	Lectures	Tutorials/Practicals
64.620	German Reading Course	**First Meeting**** M 5 March 5 pm	
64.630	Germany Since 1945	**First Meeting**** M 5 March 5 pm	
		Lecture M 1-3	**Tutorials** T 10 *or* W 11
64.650	An Introduction to the Historical Study of the Germanic Languages	**First Meeting**** M 5 March 5 pm	

**First meetings are held in the Morven Brown Building, Room 209.
*Total hours per week for this subject = 6.

History

51.510	History IA—Tradition and Transformation in Asia	M 2-3, W 2-3	
51.511	History IB—The Emergence of Modern Europe 1500-1850	M 2-3, W 2-3	
51.521	History IC—Australia in the 19th Century	M 2-3, W 2-3	
51.533	History IIA—Modern South Asia (India and Pakistan)	T 2-3, W 11-12	
51.542	History IIB—Australia in the 20th Century	M 11-12, Th 11-12	To be arranged
51.562	History IID—South East Asian History	T 12-1, F 11-12	
51.572	History IIE—The History of the United States	M 12-1, W 12-1	
51.582	History IIF—East Asian History (China and Japan)	M 10-11, Th 12-1	
51.592	History IIG—Britain since 1760	M 11-12, W 11-12	
51.593	History IIH—Modern Europe—Society, Politics and Ideology in 20th Century	T 11-12, Th 10-11	

History and Philosophy of Science

62.201	The Modern History of Western Cosmology (S1)	W 12-1, F 12-1	
62.202	The History of Ancient and Renaissance Cosmology (S2)	W 12-1, F 12-1	To be arranged
62.203	The Freudian Revolution (S1)	M 2-3, Th 2-3	

History and Philosophy of Science (continued)

Subject		Lectures	Tutorials/Practicals
62.211	The 17th Century Intellectual Revolution (S1)	T 10-11, F 10-11	
62.212	The Cultural Impact of the 17th Century Scientific Revolution (S2)	T 11-12, Th 2-3	
62.223	The Discovery of Time (S1)	M 10-11, T 2-3	
62.242	Introduction to the History of Ideas (S2)	M 10-11, W 10-11	
62.243	The Darwinian Revolution (S2)	M 4-5, Th 4-5	
62.252	Scientific Knowledge and Political Power (S1)	M 2-3, Th 2-3	
62.253	Social History of Science from French Revolution to World War II (S2)	M 11-12, T 4-5, Th 11-12	To be arranged
62.262	The Social System of Science (S2)	M 2-3, Th 2-3	
62.263	The Development of Theories of Matter (S1)	T 9-10	
62.273	The Historical Foundations of Experimental Biology (S1)	T 10-11, F 10-11	
62.283	The History of Theories of Generation and Heredity (S2)	T 10-11, F 10-11	
62.293	Science and the Strategy of War and Peace (S1)	W 10-11, F 10-11	
62.503	The Philosophy of Science (S1 + S2)	T 3-5, W 4-5	

Industrial Relations

15.511	Industrial Relations IA (S1)	M 2-3, Th 2-3 or M 7-8, Th 7-8	
	(S2)	M 12-1, Th 12-1 or M 5-6, Th 5-6	Consult Commerce Faculty Handbook
15.525	Industrial Relations IIA (S1)	M 11-12, Th 11-12 or M 6-7, Th 6-7	
15.526	Industrial Relations IIB (S2)	M 11-12, Th 11-12 or M 5-6, Th 5-6	

Mathematics

Subject	Lectures	Tutorials/Practicals

The Mathematics timetable is extremely flexible and students are advised to call at the School office on Floor 13, Mathews Building for advice on the choice of lecture and tutorial times.

10.001 Mathematics I	**Group 1 and 2** M 10-11, T 9-10 W 10-11, F 9-10	2 hours per week To be arranged
	Group 3 M 9-10 *and* 2-3 W 9-10 *and* 2-3	
	Group 4 M 12-1, T 3-4 Th 12-1, F 3-4	

Philosophy

Session 1

52.103	Introductory Philosophy A	T 10-11, Th 10-11, F 10-11	
52.1531	Predicate Logic A	M 3-4, W 3-4	
52.163	Descartes	M 10-11, W 10-11	
52.183	Greek Philosophy	*	
52.193	Scientific Method	T 12-1, Th 12-1	
52.203	Classical Political Philosophy	T 10-1, Th 10-11	
52.213	Sartre	M 10-12	
52.323	Set Theory	T 11-12, Th 11-12	
52.343	Privacy and Other Minds	T 11-12, Th 11-12	
52.353	History of Modern Logic	*	
52.373	Philosophical Foundations of Marx's Thought	W 11-1	To be arranged
52.413	Reading Option		
52.433	Seminar B	*	
52.453	Advanced Reading Option		
52.463	Introduction to Transformational Grammar	M 11-12, W 11-12	
52.503	Utopias	*	
52.5231	Classical Greek Ethics	W 12-1, F 12-1	
52.543	Philosophy of Love	F 10-12	
52.563	Hume	T 12-1, Th 12-1	
52.583	Theories, Values and Education	*	
52.504	Philosophy Honours	*	

Philosophy (continued)

Subject	Lectures	Tutorials/Practicals
Session 2		
52.104 Introductory Philosophy B	T 10-11, Th 10-11, F 10-11	
52.1532 Predicate Logic B	M 3-4, W 3-4	
52.173 British Empiricism	T 11-12, Th 11-12	
52.233 Argument	*	
52.263 Philosophy of Psychology	T 12-1, Th 12-1	
52.273 Aesthetics	T 10-11, Th 10-11	
52.283 Philosophical Study of Woman	M 11-1	
52.293 Plato's Later Dialogues	*	
52.303 Spinoza and Leibniz	M 10-11, W 10-11	
52.333 Philosophy of Perception	W 11-12, F 11-12	
52.393 History of Traditional Logic	*	
52.403 Model Theory	T 11-12, Th 11-12	To be arranged
52.413 Reading Option		
52.423 Seminar A	*	
52.443 Seminar C	*	
52.453 Advanced Reading Option		
52.473 Meaning and Truth	M 11-12, W 11-12	
52.483 Plato's Theory of Forms	T 10-11, Th 10-11	
52.513 Social and Political Philosophy	M 2-3, W 2-3	
52.5232 Theories in Moral Philosophy	W 12-1, F 12-1	
52.553 Contemporary Moral Issues	T 12-1, Th 12-1	
52.573 Psychoanalysis—Freud and Lacan	W 11-1	
52.504 Philosophy Honours	*	

*Lecture times to be finalized in January 1979.

Political Science

54.904 Political Science I	W 4-5, Th 3-4, F 12-1 or T 6-7, Th 6-8	To be arranged
54.202 Selected Political Theorists	W 10-11	
54.212 Politics of U.S.S.R.	W 2-3, Th 2-3	

Political Science (continued)

Subject		Lectures	Tutorials/Practicals
54.222	Politics of U.S.A.	W 11-12, Th 11-12	
54.232	Politics of China	W 12-1, W 2-3	
54.242	British Government: A	M 12-1, Th 12-1	
54.252	International Relations	T 12-1	To be arranged
54.292	Politics and the Media	T 10-11, W 11-12, Th 10-11	
54.203	African Politics	M 9-12	
54.213	Public Policy Making	F 10-12	

Please consult the noticeboard in the School of Political Science for timetables of all Political Science half units.

Psychology

	Subject	Lectures	Tutorials/Practicals
12.001	Psychology I	M 11-12 *or* M 6-7 *and* T 4-5 *or* M 7-8 *and* Th 11-12 *or* T 6-7	
12.052	Basic Psychological Processes II (S1)	T 4-5, T 5-6	
12.062	Complex Psychological Processes II (S2)	T 4-5, Th 5-6	
12.072	Human Relations II (S1)	M 3-4, T 3-4	To be arranged at first lecture
12.082	Individual Differences II (S2)	M 3-4, T 3-4	
12.152	Research Methods II	**Session 1** T 5-6 *or* W 9-10 *or* Th 9-10 *and* Th 3-4 *or* Th 6-7 **Session 2** T 5-6 *or* W 9-10 *or* Th 9-10	

Russian

Subject	Lectures	Tutorials/Practicals
59.501 Russian IA—Introductory Russian (full year)	W 9-10	**Language Laboratory** T 2-3, Th 2-3 plus another hour to be arranged by the School
		Tutorials Group A M 10-11, T 10-11, Th 10-11, F 10-11
		Tutorials Group B M 12-1, T 12-1, Th 12-1, F 12-1

Sociology

53.001 Introduction to Sociology	M 12-1, T 12-1	To be arranged

Spanish and Latin American Studies

65.100 Spanish and Latin American Studies IA		⎫
65.110 S.L.A.S. IB	F 10-11	⎬ To be arranged
65.120 S.L.A.S. IC		⎭

The University of New South Wales   Kensington Campus 1979

Theatres

Biomedical Lecture Theatres E27
Central Lecture Block E19
Classroom Block (Western Grounds) H3
Electrical Engineering Theatre F17
Keith Burrows Lecture Theatre J14
Mathews Theatres D23
Old Main Theatrette K15
Parade Theatre E3
Science Theatre F13
Sir John Clancy Auditorium C24

Buildings

Affiliated Residential Colleges
New (Anglican) L6
Shalom (Jewish) N9
Warrane (Roman Catholic) M7
Applied Science F10
Architecture H14
Arts (Morven Brown) C20
Banks F22
Barker Street Gatehouse N11
Basser College C18
Biological Sciences D26
Central Store B13
Chancellery C22
Chemistry
Dalton F12
Robert Heffron E12
Civil Engineering H20
Commerce (John Goodsell) F20
Dalton (Chemistry) F12
Electrical Engineering G17
Geography and Surveying K17
Goldstein College D16
Golf House A27
Gymnasium B5
House at Pooh Corner N8
International House C6
John Goodsell (Commerce) F20
Kensington Colleges C17
Basser C18
Goldstein D16

Philip Baxter D14
Main Building K15
Maintenance Workshop B13
Mathews F23
Mechanical and
Industrial Engineering J17
Medicine (Administration) B27
Menzies E21
Metallurgy E8
Morven Brown (Arts) C20
New College (Anglican) L6
Newton J12
Parking Station H25
Philip Baxter College D14
Robert Heffron (Chemistry) E12
Sam Cracknell Pavilion H8
Shalom College (Jewish) N9
Sir Robert Webster
(Textile Technology) G14
Squash Courts B7
Unisearch House L5
University Regiment J2
University Union
(Roundhouse) — Stage I E6
University Union
(Blockhouse) — Stage II G6
University Union
(Squarehouse) — Stage III E4
Wallace Wurth School of Medicine C27
Warrane College (Roman Catholic) M7
Wool and Pastoral Sciences B8

General

Accountancy C20
Admissions Office C22
Anatomy C27
Applied Geology F10
Applied Science (Faculty Office) F10
Appointments Office C22
Architecture
(including Faculty Office) H14
Arts (Faculty Office) C20
Australian Graduate
School of Management F23
Biochemistry D26

Biological Sciences (Faculty Office) D26
Biological Technology D26
Biomedical Library F23
Bookshop G17
Botany D26
Building H14
Cashier's Office C22
Centre for Medical Education
Research and Development C27
Chaplains E15a
Chemical Engineering F10
Chemical Technology F10
Chemistry E12
Child Care Centre N8
Civil Engineering H20
Closed Circuit Television Centre F20
Commerce (Faculty Office) F20
Community Medicine D26
Computing Services Unit E21
Drama D9
Economics F20
Education G2
Electrical Engineering G17
Engineering (Faculty Office) K17
English C20
Examinations and Student Records C22
Fees Office C22
Food Technology F10
French C20
General Studies C20
Geography K17
German C20
Health Administration C22
History C20
History and Philosophy of Science C20
Industrial Arts C1
Industrial Engineering J17
Institute of Languages G14
Institute of Rural Technology B8
Kindergarten *(House at Pooh Corner/
Child Care Centre)* N8
Landscape Architecture H14
Law (Faculty Office) E21
Law Library E21
Librarianship B10
Library E21
Lost Property F20

Marketing F20
Mathematics F23
Mechanical Engineering J17
Medicine (Faculty Office) B27
Metallurgy E8
Microbiology D26
Mining Engineering K15
Music B11
National Institute of Dramatic Art C15
Nuclear Engineering G17
Optometry J12
Pathology C27
Patrol and Cleaning Services F20
Philosophy C20
Physics K15
Physical Education and
Recreation Centre (PERC) B5
Physiology and Pharmacology C27
Political Science C20
Postgraduate Committee
in Medical Education B27
Postgraduate Extension Studies (Closed
Circuit Television) F20
Postgraduate Extension Studies (Radio
Station and Administration) F23
Psychology F23
Public Affairs Unit C22
Regional Teacher Training Centre C27
Russian C20
Science and Mathematics Course
Office F23
Social Work E1
Sociology C20
Spanish and Latin American Studies C20
Student Amenities and Recreation E15c
Student Counselling and Research E15c
Student Employment C22
Student Health E15
Students' Union E4
Surveying K17
Teachers' College Liaison Office F16
Tertiary Education Research Centre E15d
Textile Technology G14
Town Planning K15
University Union (Blockhouse) G6
Wool and Pastoral Sciences B8
Zoology D26

A B C D E F G H J K L M N

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

HIGH STREET
GATE 1
GATE 2
GATE 3
HIGH ST
GATE 4 GATE 5 GATE 6 GATE 7
GATE 8
GATE 9
TO RANDWICK

SWIMMING POOL
GYM
SPLASH
P
INTERNATIONAL HOUSE
NIDA
CHANCELLERY
LIBRARY LAWN
GLASS HOUSES
MEDICINE

TO CITY

SQUARE HOUSE
ROUNDHOUSE
KENSINGTON COLLEGES
BASSER STEPS
SIR JOHN CLANCY AUDITORIUM
MATHEWS THEATRES
BIOLOGICAL SCIENCES

PARADE THEATRE
THE UNIVERSITY UNION
CHEMISTRY
STUDENT HEALTH SERVICE
CENTRAL LECTURE BLOCK
LIBRARY
MATHEWS BLDG
BIO-MED THEATRES

WESTERN GROUNDS AREA
BLOCKHOUSE
APPLIED SCIENCE BUILDING
SCIENCE THEATRE
STUDENT COUNSELLING
COMMERCE
LIBRARY ROAD

ANZAC GATE
TEXTILE TECHNOLOGY
ELECTRICAL ENGINEERING

NSW REGIMENT
MAIN WALKWAY
ARCHITECTURE
CIVIL ENGINEERING
PARKING STATION

TENNIS COURTS
KEITH BURROWS THEATRE
MECHANICAL & INDUSTRIAL ENGINEERING
GATE 12
OVAL LANE

DAY AVENUE
MAIN BUILDING
GEOGRAPHY & SURVEYING

THE VILLAGE GREEN
TENNIS COURTS
PHYSICS ROAD

UNIVERSITY HOUSE
AFFILIATED RESIDENTIAL COLLEGES
METRES

CHILD CARE CENTRE
BARKER STREET
GATE 14
GATE 13

ANZAC PARADE
TO KINGSFORD
SCIENCE ROAD
ENGINEERING RD
WILLIS STREET
BOTANY STREET

MAX SPEED 25 Kph
PARKING PERMITTED
ONLY IN AREAS MARKED P

This Handbook has been specially designed as a source of reference for you and will prove useful for consultation throughout the year.

For fuller details about the University—its organization, staff membership, description of disciplines, scholarships, prizes, and so on, you should consult the Calendar.

The Calendar and Handbooks also contain a summary list of higher degrees as well as the conditions for their award applicable to each volume.

For detailed information about courses, subjects and requirements of a particular faculty you should consult the relevant Faculty Handbook.

Separate Handbooks are published for the Faculties of Applied Science, Architecture, Arts, Commerce, Engineering, Law, Medicine, Professional Studies, Science (including Biological Sciences and the Board of Studies in Science and Mathematics), the Australian Graduate School of Management (AGSM) and the Board of Studies in General Education.

The Calendar and Handbooks are available from the Cashier's Office. The Calendar costs $3.50 (plus postage and packing, 90 cents). The Handbooks vary in cost. Applied Science, Arts, Commerce, Engineering, Professional Studies and Sciences are $2.50. Architecture, Law, Medicine and AGSM are $1.50. Postage is 40c in each case. The exception is General Studies, which is free.