



The University of New South Wales

Arts

1976
Faculty Handbook



The University of New South Wales

PO Box 1 Kensington NSW Australia 2033 Phone 6630351

Arts

1976
Faculty Handbook

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

UNIVERSITY OF NEW SOUTH WALES

Faculty of Arts

Handbook.

Annual. Kensington.

378.94405

NEW

University of New South Wales—*Faculty of Arts*—Periodicals

Contents

General Information	1
Some People Who Can Help You	1
Calendar of Dates	
1976	2
1977	3
The Academic Year	3
Organization of the University	4
Council	4
Professorial Board	4
Faculties	4
Schools	4
Executive Officers	4
Administration	4
Student Representation	4
Subject Numbers	5
General Studies	5
Student Services and Activities	
Library	5
Accommodation	5
Student Employment	6
Student Health	6
Student Counselling and Research	6
Student Amenities and Recreation	6
Physical Education and Recreation Centre	6
University Union	6
Students' Union	6
Chaplaincy Centre	7
Student Clubs and Societies	7
Other Services and Activities	7
Financial Assistance to Students	
Tertiary Education Assistance Scheme	7
Scholarships, Cadetships, Prizes	8
Other Financial Assistance	8
Financial Assistance to Aboriginal Students	8
Rules and Procedures	8
Admission and Enrolment	9

Fees	12
Examinations	13
Student Conduct on Campus	15
Further Information	16
Preface	17
Staff	18
Faculty Information	22
Enrolment Procedures	22
Deferred Examinations In Arts and Commerce	23
Student Clubs and Societies	24
Courses Available for the Degree of Bachelor of Arts	26
Schedule A	26
Schedule B	55
The Degree of Bachelor of Arts	57
Rules Governing the Award of the Degree of Bachelor of Arts	58
The Degree of Bachelor of Social Science	60
Rules Governing the Award of the Degree of Bachelor of Social Science	60
Compulsory Courses	61
Graduate Study	62
Graduate Enrolment Procedures	62
English	63
German	63
Mathematics	63
Philosophy	64
Subject Descriptions and Textbooks	65
Biology	65
Chemistry	67
Computer Science	68
Drama	68
Economic History	71
Economics	77
English	80
<i>Undergraduate Study</i>	80
<i>Graduate Study</i>	83
French	84
Geography	88
Applied Geology	92
German	94
History	97
History and Philosophy of Science	100
Industrial Relations	103
Mathematics	108
<i>Undergraduate Study</i>	108
<i>Graduate Study</i>	116
Philosophy	118
<i>Undergraduate Study</i>	118
<i>Graduate Study</i>	123
Physics	124
Political Science	125
Psychology	129
Russian	133
Sociology	135
Spanish and Latin American Studies	138

General Information

In order to minimize the time and effort that you will put into your study 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 sixteen 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.

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 P. O'Brien, and his Administrative Assistant, Mr S. Briand, are located on the first floor of the Chancellery. They will

see students who need advice and who have problems and are not sure whom they should see about them. Mr Briand looks after financial assistance matters. Enquire at room 148A, phone 2482 or 3164.

The Assistant Registrar (Examinations and Student Records), Mr J. Warr, is located on the ground floor of the Chancellery. For particular enquiries regarding Student Records (including matters related to illness affecting study) contact Mr B. Newell (phone 2141), and regarding Examinations, Mr J. Grigg (phone 2143). This section can also advise on matters relating to discontinuation of subjects and termination of courses. General enquiries should be directed to 3711.

The Assistant Registrar (Admissions and Higher Degrees), Mr J. Hill, is located on the ground floor of the Chancellery. For particular enquiries regarding undergraduate courses phone Mr J. Beauchamp on 3319. General enquiries should be directed to 3711.

The Assistant Registrar (Student Employment and Scholarships), Mr J. 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 J. 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 3803.

The Student Health Unit is located in Hut E on College Road. The Director is Dr M. A. Naphali. For medical aid phone 2679.

The Student Counselling and Research Unit is located at the foot of Basser Steps. The Head is Mr G. Gray. For assistance with educational or vocational problems ring 2600-2605 for an appointment.

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

The Chaplaincy Centre is located in Hut F at the foot of Bassett Steps. For spiritual aid consult Rev B. W. Wilson (Anglican)—2684; Rev Father J. King or Rev Father M. Fallon (Catholic)—2379; Pastor H. Davis (Church of Christ)—2683; Rev P. Holden (Methodist)—2683; Pastor G. Rollo (Seventh Day Adventist)—2683; Rabbi M. Kantor (Jewish)—3273.

The Students' Union is located on the second floor of Stage III of the University Union where the SU full-time President or Education Vice-President 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 co-op, a professional nursery/kindergarten (House at Pooh Corner), a type-setting service, electronic calculators (bulk purchasing), health insurance and AUS insurance, an information referral centre (the Infakt Bus) and publications such as *Tharunka*, *Orientation Magazine*, *Concessions Book* and counter-course handbooks. For information about these phone 2929.

Calendar of Dates

1976

Session 1 (14 weeks)

March 1 to May 9
May Recess: May 10 to May 16
 May 17 to June 13
Midyear Recess: June 14 to July 18

Session 2 (14 weeks)

July 19 to August 22
August Recess: August 23 to August 29
 August 30 to October 31
Study Recess: November 1 to November 7

January

Thursday 1
 Friday 9

New Year's Day—Public Holiday
 Last day for application for review of results of *annual* examinations
 Last day for application for permission to re-enrol by students who infringed re-enrolment rules at *annual* examinations

Monday 12

Timetables for *deferred* examinations available

Friday 18

Last day for acceptance of applications by Admissions Office for transfer to another course within the University

Monday 26

Australia Day—Public Holiday

Tuesday 27

Deferred examinations begin

February

Saturday 7

X Monday 16

Tuesday 17

X Friday 20

X Monday 23

Tuesday 24

Friday 27

March

Monday 1

X Friday 12

Thursday 18

X Thursday 25

Friday 26

Monday 29

April

Friday 16 to

Monday 19

Friday 23

Sunday 25

Monday 26

May

Tuesday 4

Monday 10

Wednesday 12

Friday 14

Sunday 16

Deferred examinations end

Enrolment period begins for new students and students repeating first year
 Last day for appeal against exclusion by students who infringed re-enrolment rules at *annual* examinations

Deferred examination results available
 Enrolment period begins for second and later year students

Last day for application for review of *deferred* examination results

Last day for application for permission to re-enrol by students who infringed re-enrolment rules at *deferred* examinations

Session 1 commences

Last day for acceptance of enrolments by new students (late fee payable)

Last day for appeal against exclusion by students who infringed re-enrolment rules at *deferred* examinations

Last day for acceptance of enrolments 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

Last day to enrol in additional subjects

Easter

Last day for students attending the University for the first time to discontinue without failure subjects which extend over Session 1 only

Anzac Day

Public Holiday

Publication of provisional timetable for June/July examinations

May Recess begins

Last day for acceptance of corrected enrolment details forms

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

May Recess ends

Monday 17 Last day for students to advise of examination timetable clashes

June

Tuesday 1 Publication of timetable for June/July examinations

Sunday 13 **Session 1 ends**

Monday 14 Queen's Birthday—Public Holiday

Midyear Recess begins

Tuesday 15 Midyear examinations begin

Tuesday 29 Midyear examinations end

July

Sunday 18

Monday 19

Friday 30

Midyear Recess ends

Session 2 begins

Foundation Day

Last day for students attending the University for the first time to discontinue without failure subjects which extend over the whole academic year

August

Friday 13

Last day for students other than those attending the University for the first time to discontinue without failure subjects which extend over Session 2 only

X **Monday 23**

August Recess begins

Holiday for non-academic staff

Sunday 29

August Recess ends

Tuesday 31

Last day for acceptance of applications for re-admission in 1977 after exclusion under the re-enrolment rules

September

Friday 10

Last day for students attending the University for the first time to discontinue without failure subjects which extend over Session 2 only

Sunday 12

Last day for applications from students graduating in 1977 for admission to University degrees and diplomas

Tuesday 14

Last day for return of corrected enrolment details forms

Tuesday 21

Publication of provisional timetable for annual examinations

October

Friday 1

Last day to apply to MUAC for transfer to another university in Sydney metropolitan area and Wollongong
Last day for students to advise of examination timetable clashes

Monday 4

Eight Hour Day—Public Holiday

Tuesday 19

Publication of timetable for annual examinations

November

Monday 1

Sunday 7

Monday 8

Tuesday 30

Study Recess begins

Session 2 ends

Annual examinations begin

Annual examinations end

December

Saturday 25

Monday 27

Christmas Day—Public Holiday

Boxing Day—Public Holiday

1977

Session 1

March 7 to May 14

May Recess: May 16 to May 21

May 23 to June 18

Midyear Recess: June 20 to July 23

July 25 to August 27

August Recess: August 29 to September 3

September 5 to November 5

Study Recess: November 7 to November 12

January

Monday 3

Public Holiday

Friday 7

Last date for application for review of results of *annual* examinations

Monday 10

Publication of timetable for *deferred* examinations

Friday 14

Last day for acceptance of applications by Admissions Office for transfer to another course within the University

Tuesday 25

Deferred examinations begin

Monday 31

Australia Day—Public Holiday

February

Saturday 5

Deferred examinations end

Monday 14

Enrolment period begins for new students and students repeating first year

Friday 18

Results of *deferred* examinations available

Monday 21

Enrolment period begins for second and later year students

Tuesday 22

Last day for applications for review of *deferred* examination results

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 sessions as well as short recesses of one week within each of the sessions.

Session 1 commences on the first Monday of March.

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 1975 the University had 18,128 students and 3,984 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.

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 42 members representative of the professions, commerce and industry, the legislature, employee organizations, rural, pastoral and agricultural interests, and the academic staff of the University, its graduates and students.

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

The Chairman of the Council is the Chancellor, Sir Robert Webster, and the Deputy Chancellor is the Hon. Sir Kevin Ellis.

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

The Dean, who is also a professor, is the executive head of the Faculty. Members of each Faculty 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. In addition, the Board of Studies in General Education fulfils a function similar to that of the faculties. The Board of Studies in Science is responsible for the academic administration of 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 professorial Head of the School in which you will be studying will be 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, 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 J. B. Thornton, Professor R. E. Vowels and Professor A. H. Willis; 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 C. G. Plowman, the Bursar, Mr T. J. 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. The Property Division is concerned with the maintenance of buildings and grounds and equipment, and includes the University Architect's office.

Student Representation on Council and Faculties

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 one of their number to a Faculty for each 500 registered students, with a minimum of three students per Faculty. Elections take place towards the end of the academic year for a one-year term of office.

Open Faculty Meetings

If you wish you may attend a Faculty 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.

Identification of Subjects by Numbers

For information concerning the identifying number of each subject taught in this faculty, turn to the first page of the main section below entitled Subject Descriptions and Textbooks.

See the Calendar for the full list of identifying numbers and subjects taught in the University.

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 publishes its own Handbook which is available free of charge. All enquiries about General Studies should be made to the General Studies Office, Room G54, Morven Brown Building (663 0351 Extn. 3478).

Student Services and Activities

The University Library

The University Library is on the upper campus adjacent to the Chancellery, the Sciences Building, the Goodsell and the Morven Brown Buildings. The Biomedical Library is in the western end of the Sciences Building with a branch at Prince Henry Hospital, telephone 661 0111. The University Library buildings house the Law Library, the Physical Sciences Library, the Social Sciences and Humanities Library and the Undergraduate Library.

There are services at other centres:

Broken Hill Division: W. S. and L. B. Robinson University College Buildings, Broken Hill. Phone: 6022/3/4.

Water Reference Library: Manly Vale. Phone: 948 0261.

Each library provides a reference and lending service for staff and students, and is open in both Sessions 1 and 2 during day and evening periods, except the Water Reference Library which is only open during the day.

Staff and students must use a machine-readable identification card to borrow from the main University Library. Personal identification is required in the other libraries listed. For students a current Union card is acceptable. Staff must apply to the Library for a library card.

New students can collect temporary borrowing cards at the Library in Orientation Week. It is recommended that students attend the *Introduction to the Library* held

during Orientation Week and the first week of Session 1.

Specific library problems should be referred to the Reader Assistance Unit located in the foyer of the Library. Copies of the *Library Guide* are available on request.

Accommodation

There are seven residential colleges on campus which offer accommodation to male and female students. The philosophy of the management, the residence fees and facilities vary from college to college. In addition to the basic fees charged most colleges make additional minor charges such as a registration fee and a power charge. It is anticipated that the fees in most colleges will be increased for 1976. Assistance is also provided in finding off-campus accommodation.

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 over 120 students from Australia and 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 An affiliated Roman Catholic residential college, Warrane provides accommodation for 200 men students, both graduate and undergraduate. Non-resident membership is available to male students who wish to participate in College activities and make use of its facilities. Fees are payable on a session basis. Apply in writing to the Master, Warrane College, PO Box 123, Kensington, NSW 2033.

Off-campus Housing The Student Amenities and Recreation Unit maintains an up-to-date record of different types of off-campus housing including hostels, full board, bed and breakfast, flats and houses for rent. For information and assistance apply to the Housing Officer, Hut B, at the foot of Basser Steps (extension 3260).

Student Employment

The Student Employment 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 campus interview program for final year students.

Careers advice and assistance is also available to undergraduates. Assistance is offered in finding vacation employment which gives either course-related experience or industrial training experience, where this is a course requirement. Information and advice regarding cadetships, undergraduate and graduate scholarships is also available.

The service is located in the Chancellery on the ground floor.

Phone extension 3259 for employment and careers advice, or extension 2086 for cadetships and industrial training information.

Student Health

The Student Health Unit, staffed by qualified medical personnel, offers free medical and first-aid services to male and female students. The service is not intended to replace private or community health services and thus if chronic or continuing conditions are revealed or suspected you will be advised and referred to your own doctor or an appropriate hospital. The health service is not responsible for fees incurred in these instances. Confidential appointments can be made at Hut E at the foot of Basser Steps between 9 am and 5 pm Monday to Friday. Phone extension 2679 or 3275.

Student Counselling and Research

The Student Counselling and Research Unit provides individual and group counselling for all students—prospective, undergraduate and graduate. If you have any personal needs, worries or confusion use this free, informal, personal service to help you sort out the basic issues. If the counsellor can't help you himself he usually knows someone who can.

Counselling appointments are available during sessions and recesses between 9 am and 7 pm. Phone 663 0351 extensions 2696 and 2600 to 2605, or call during Unit office hours, 8.30 am to 5.30 pm. 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.

Student Amenities and Recreation

This Unit, working in close liaison with the Sports Association, assists various recognized clubs by arranging and providing facilities and by handling on their behalf all inquiries and applications for membership.

It also provides a recreational program for students and staff at the Physical Education and Recreation Centre;

liaises with the Public Transport Commission of New South Wales on matters concerning student travel concessions; and assists students in finding suitable accommodation off the campus.

Concessional application forms for all types of travel may be obtained at the Student Amenities and Recreation Unit or at the Information Desk in the Chancellery.

The Student Amenities and Recreation Unit is located in Hut B at the foot of Basser Steps. The various services may be contacted by phone on the following extensions: Sports Association, 2235; Physical Education and Recreation Centre, 3271; Travel, 2617; Accommodation, 3260.

Physical Education and Recreation Centre

The Physical Education and Recreation Centre consists of eight squash courts and a main building. The latter has a large gymnasium and ancillary practice rooms for fencing, table tennis, judo, weight-lifting and a physical fitness testing room. The Supervisor of Physical Recreation is responsible for the Centre and provides a recreational program for both students and staff. If you would like to take part in any of the programs contact the Supervisor on extension 3271.

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 and the Squarehouse. 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, reading, 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.

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.

Membership is compulsory at \$10 per annum.

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.

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 III, the Union.

Chaplaincy Centre

This service is provided for the benefit of students and staff by five Christian Churches and by the Jewish congregation. 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.

Student Clubs and Societies

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; Gunnnagan Club; Kite Club and the Jazz Society.

The Sports Association The Sports Association caters for a variety of competitive sports for both men and women. Membership of the Association is compulsory for all registered students and the annual subscription is \$6.

Details of sporting facilities are available in the Orientation Magazine, available at the Student Amenities and Recreation Unit (Hut B at the foot of Basser Steps).

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

Other Services and Activities

University Co-operative Bookshop Limited Membership is open to all students, on payment of a fee of \$5, refund-

able 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 Naval Liaison Officer, Professor J. S. Ratcliffe, Commander, R.A.N.R., at the School of Chemical Engineering. Phone extension 2406.

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 R.A.A.F. Undergraduate Scheme should contact The Recruiting Officer, Defence Forces Recruiting Centre, 320 Castlereagh Street, Sydney.

Financial Assistance to Students

Tertiary Education Assistance Scheme

Under this scheme, which is financed by the Australian Government, assistance is available as follows:

- for full-time study in approved courses
- subject to a means test
- on a non-competitive basis
- to students who are not bonded
- to students who are permanent residents of Australia.

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

- Undergraduate and graduate degree courses
- Graduate diplomas
- Approved combined Bachelor degree courses
- Master's qualifying courses where the course is the equivalent of an honours year and the student has not attained an honours year.

Benefits

Means-tested Living Allowance The maximum rates of living allowances are \$1,000 per annum for students living at home and \$1,600 per annum for students living away from home. The maximum rates of living allowance will be paid where the adjusted family income is equal to or less than \$7,600 per annum. The adjusted family income is assessed by subtracting from the gross income of both parents their business expenses and an amount of \$450 for each dependent child other than the student.

When the adjusted family income exceeds \$7,600 p.a. the amount of living allowance will be reduced by \$2 for every \$10 of income until the family income exceeds \$15,200 per annum. After this level, the living allowance will be reduced by \$3 for every \$10 of income.

A concession may be made where there are other children in the family undertaking tertiary education with scholarship assistance from schemes other than the Tertiary Education Assistance Scheme of less than \$600 pa.

Students qualifying for living allowance will also receive the following allowances where appropriate:

Incidentals Allowance The Incidentals Allowance of \$100 is designed to help the student meet the cost of those fees which have not been abolished—the Students' Union, University Union and Sports Association fees, and other expenses associated with their studies.

Travel Allowance Students whose home is in the country may be reimbursed the cost of three return trips per year, during vacation time.

Dependants' Allowance This is made up of allowances of \$15 per week for a dependent spouse and \$7 per week for each child.

How to Apply If you were a 1975 Higher School Certificate candidate or a tertiary student receiving an allowance, you were sent forms last October. Other students may obtain forms from the Admissions Section or the Student Employment and Scholarships Unit, or from the Regional Director, Department of Education, Central Square, 323 Castlereagh Street, Sydney, N.S.W. 2000 (Telephone 218 8800). The administrative closing date for 1976 applications was 31 October 1975.

Scholarships, Cadetships, Prizes

1 Undergraduate Scholarships In addition to finance provided under the Australian 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 Australian Government the following forms of assistance are available:

1 Determent of Payment of Fees Deferrals 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 Australian 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.

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.

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

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

Financial Assistance to Aboriginal Students

Financial assistance is available from a number of sources to help Aboriginal students. Apart from the Australian Government's Tertiary Education Assistance Scheme there is a Commonwealth Aboriginal Study Grant Scheme. Furthermore, the University may assist Aboriginal students with some essential living expenses in exceptional circumstances.

All inquiries relating to this scheme should be made at the office of the Deputy Registrar (Student Services), Room 148A, 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

efficiently and equitably 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 (e.g. fines or exclusion from examinations) for failure to observe these procedures and therefore they should be read with care.

The information is arranged as answers to questions most asked by students. The first group of questions concerns admission and enrolment, the second fees and other money matters, the third examinations, and the remainder more general matters such as student conduct on campus.

Admission and Enrolment

How do I qualify for admission? In order to enter an undergraduate course you must qualify for matriculation to the University; satisfy requirements for admission to the course of subjects chosen; 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.

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.

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.

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 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 1976 must lodge an application for selection with the Metropolitan Universities Admissions Centre, PO Box 7049, GPO, Sydney 2001, by 1 October 1975.

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 below).

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

First Year Repeat Students First year students who failed more than half the program at the 1975 Annual

Examinations and who were not granted any deferred examinations should NOT follow the above procedure. They are required to *show cause* why they should be allowed to continue in the course, and should await instructions in writing from the Registrar as to the procedure.

Later Year Enrolments Students should enrol through the appropriate School in accordance with the procedures set out in the current year's booklet. *Enrolment Procedures*, available from the Admissions Office and from School offices.

New Research Students Students enrolling for the first time in graduate research degrees will receive an enrolment form by post. They have two weeks from the date of offer of registration in which to lodge the enrolment form with the Cashier and pay the appropriate fees. Completion of enrolment after this time will incur a penalty (see below).

Re-enrolling Research Students Students re-enrolling in research degrees should lodge the enrolment form with the Cashier as soon as possible but no later than the end of the second week of Session 1. Completion of enrolment after this date will incur a penalty (see below).

Submission of Graduate Thesis or Project Report at Commencement of Session 1 A candidate who has completed all the work for a graduate degree except for the submission of a thesis or project report is required to re-enrol and pay fees as outlined above *unless* the thesis or project report is submitted by the end of the second week of Session 1 in which case the candidate is not required to re-enrol. Those required to re-enrol may claim a refund of fees if able to withdraw (see below).

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 to the student and there is accommodation available. Only in exceptional cases will subjects taken in this way count towards a degree or diploma. A student who is under exclusion may not be enrolled in miscellaneous subjects which may be counted towards any course from which he has been excluded.

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 (12 March 1976) except with the express approval of the Deputy Registrar (Student Services) and the Head of the School 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 (26 March 1976) without the express approval of the Deputy Registrar (Student Services). No enrolments for courses occupying Session 2 only will be accepted after the end of the second week of Session 2 (30 July 1976) without express approval of the Deputy Registrar (Student Services).

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.

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.

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 (23 April 1976). 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 (27 August 1976).

In very 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 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 16 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. You should also inform the enrolling officer of the school in which you are enrolled of your intention to transfer.

Can I change my course program? If you wish to seek approval to substitute one subject for another, 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 available from the School office. The Registrar will inform you of the decision. Application to enrol in additional subjects must be submitted by the end of the fourth week of Session 1.

It is emphasized that failure to sit for examinations in any subject in which you are enrolled will be regarded as failure to satisfy the examiners in that subject unless written approval to withdraw without failure has been obtained from the Registrar.

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

First Year Students

1. one-session subjects: the end of the eighth week of session;
2. double-session subjects: the end of the second week of Session 2.

For the purpose of this rule a first-year student is defined as one who is attending the University for the first time either on a full- or part-time basis and is enrolled in the first year or first stage of a course.

Other Students

1. one-session subjects: the end of the fourth week of session;
2. double-session subjects: the end of the May Recess.

How do I enrol after an absence of twelve months or more? If you have had a leave of absence for twelve months 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 in December of the preceding year or before October in the year preceding the one in which you wish to resume your course.

If you have not obtained leave of absence from your course and have not been enrolled in the course over the past twelve months or more, then you should apply for admission to the course through the Metropolitan Universities Admission Centre before 1 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-enrol and retain valuable class places.

First-year Rule

1. A student enrolled for the first time in any undergraduate course in the University shall be required to

show cause why he/she should be allowed to continue the course if that student 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.* Failure in a deferred examination as well as in the initial examination counts for the purposes of this rule as one failure.

General Rule

3. The Re-enrolment Committee may, on the recommendation of the relevant faculty or board of studies, review the academic progress of any student. If that student's academic record seems to demonstrate, in the opinion of the Committee, the student's lack of fitness to pursue a subject or subjects and/or a course or courses, the Committee may require that student to show cause why he/she should be allowed to re-enrol in such subject(s) and/or course(s).

The Session-unit System

4. A A student who infringes the provisions 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.

B 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. A 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.

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

'Showing Cause'

6. A 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.

B 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. A 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, or 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.

B 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.

C 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. A 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-enrol 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.

* It is proposed that under this arrangement, the membership of the Appeal Committee will be Pro-Vice-Chancellor J. B. Thornton (Chairman), Professor D. M. McCallum, Chairman of the Professorial Board, and a member of Council in the category of members elected by the graduates of the University, nominated by the Vice-Chancellor.

* For details of Schedule A see University Calendar.

B 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.

C A student excluded from a course or courses under the provisions of A or B may not enrol as a miscellaneous student in subjects which may be counted towards any such course.

Re-admission after Exclusion

9. A An excluded student may apply to the Re-enrolment Committee for re-admission after two academic years.

B An application for re-admission after exclusion should be made on the form available from the Examinations and Student Records Section and should be lodged with the Registrar not later than 31 August in the year prior to that for which re-admission is sought. A late application may be accepted at the discretion of the University.

C 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 appropriate study in the subject(s) (or the equivalent) on account of which the applicant was excluded.

Restrictions and Definitions

10. A These rules do not apply to students enrolled in programs leading to a higher degree or graduate diploma.

B 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?

Applications for admission to a degree or diploma of the University must be made on the appropriate form by 12 September, in a student's final year. Forms are mailed to all final year students. Don't forget to inform the University if you subsequently change your address so that correspondence related to the ceremony will reach you without delay. Applicants should ensure that they have completed all requirements for the degree or diploma, including industrial training where necessary. Any variation such as cancelling of application in order to proceed to an honours degree or submission of an application following discontinuation of honours program, must be submitted in writing to the Registrar no later than 30 January.

Fees*

Do I have to pay fees for tuition? No. There are no fees for tuition but other fees and charges are payable.

What other fees and charges are payable? These 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 their 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, but the full University Union entrance fee, if applicable.

University Union entrance fee—\$20 payable on first enrolment

Students' Activities Fees:

University Union—\$45 annual subscription

Sports Association—\$6 annual subscription

Students' Union:

Students enrolling in full-time courses—\$10 annual subscription

Students enrolling in part-time courses—\$8 annual subscription

Miscellaneous—\$25 annual fee.

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

Depending on the subject being taken, students may also be required to pay:

Pathology Instrument Kit—\$10

(Refundable on return in satisfactory condition)

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.

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

3. University Union fees and subscriptions may be waived by the Deputy Registrar (Student Services) for students enrolled in graduate courses in which the academic requirements require either no or minimal attendance on the Kensington campus.

4. Students who while enrolled at another university in Australia 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.

How much will textbooks and special equipment (if any) cost? You must allow quite a substantial sum for textbooks. This can vary from \$200 to \$600 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.

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 1976 when fees are paid late:

Failure to lodge enrolment form according to enrolment procedure	\$20
Payment of fees after end of second week of session	\$20
Payment of fees after end of fourth week of session	\$40

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

Yes. The following rules apply:

1. If you withdraw from a course 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.

Examinations

When are examinations held? Most annual examinations are held in November-December but examinations in many subjects are also 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 central notice boards in the Biological Sciences Building, the Chancellery, Central Lecture Block, Dalton Building (Chemistry), Main Building (Mining and Physics), and in the Western Grounds Area on 4 May and 21 September. You must advise the Examinations Unit (Chancellery) of a clash in examinations by 17 May and 1 October. Final timetables are displayed and individual copies are available for students on 1 June and 19 October.

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 is 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. 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 pre-requisite. 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 examination 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 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 following dates:

Annual examinations held in November/December 1976
—Friday 7 January 1977.

Deferred examinations held in January/February 1977
—Tuesday 22 February 1977.

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*, and may be required to submit to medical 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.

All medical certificates should be as specific as possible concerning the severity and duration of the complaint and its effect on the student's ability to take the examinations.

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.

A student suffering from a physical disability which puts him at a disadvantage in written examinations should apply to the Registrar in writing for special provision when examinations are taken. The student should support his request with medical evidence.

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 under special circumstances.

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 ten 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 thirty minutes from the time of commencement of the examination.

5. No candidate shall be permitted to leave the examination room before the expiry of thirty 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 any 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. All answers must be in English unless otherwise directed. Foreign students who have the written approval of the Officer-in-Charge of Examinations may use standard translation dictionaries.

10. 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.

Should I list my sources? Students are expected to acknowledge the sources of ideas and expressions that they use in essays. 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.

Under what circumstances are deferred examinations granted? Deferred examinations may be granted in the following cases:

1. When a student through illness or some other acceptable circumstance has been prevented from taking the annual examination or has been placed at a serious disadvantage during the annual examinations.

2. To help resolve a doubt as to whether a student has reached the required standard in a subject.

3. To allow a student by further study to reach the required standard in a subject.

4. Where a student's progression or graduation is inhibited by his failure in one subject only, a deferred examination may be granted notwithstanding his failure otherwise to qualify for this concession.

In the Faculties of Arts, Commerce and Law special circumstances apply in the granting of deferred examinations. Details in each circumstance are given in the section *Faculty Information* in the respective handbooks for these faculties, or in the Calendar.

Deferred examinations must be taken at the centre at which the student is enrolled, unless he has been sent on compulsory industrial training to a remote country centre or interstate. In this case the student must advise the Registrar, on a form available from his school or the Information Desk, the Chancellery, of relevant particulars, before leaving for his destination, in anticipation that deferred examination papers may have to be forwarded to him. Normally, the student will be directed to the nearest university for the conduct of the deferred examination.

Can I buy copies of previous examination papers?
Yes—for 5c each from the Union Shop in the University Union.

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.

However, 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 of not more than one month or, on the recommendation of the Dean of the appropriate Faculty, for a longer period.

Applications for exemption from lectures (leave of absence) should be addressed to the Registrar and, where applicable, should be accompanied by a medical certificate. If examinations have been missed, state this in your application.

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

If you attend less than eighty per cent of your possible classes, you may be refused permission to sit for the examination in that subject.

Why is my University Union card important? All students are issued with a University 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 Union card it is important to notify the University Union as soon as possible.

New students will be issued with University Union 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 Address Advice Forms are available at Faculty and School offices and at the Information Counters on the Ground Floor of the Chancellery Building.

These will be accepted up to 30 November, except for final year students who may advise changes up to four weeks before their 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 26 April and 30 August. 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 fourteen 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? Because of the limited amount of parking space available, only the following categories of students may apply for a permit: motor cycle owners (annual fee \$3.90); masters and doctoral candidates (ballotted issue, annual fee \$7.80); graduate, and senior undergraduate students who have completed two or three years of a full-time or part-time course (annual fee \$3.90—only a limited number of permits available for students who have completed two years). A permit will allow access to the campus between 5 pm and 11 pm on weekdays and during library hours on Saturdays, Sundays and public holidays. Enquiries should be made to the Property Section, Room 240, the Chancellery, or phone 663 0351, extension 2920. It should be noted that increasing demand for parking space may require the imposition of further restrictions and that rates may change for 1976.

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 from the Admissions Office, the Student Counselling Unit or the Registrar.

Admissions Office

The Admissions Office provides students with information concerning courses, admission requirements and enrolment procedure.

It will receive applications from students who wish to defer or resume courses of study, to transfer from one course to another, or seek any concession in relation to a course in which they are enrolled.

These applications should, wherever possible, be lodged before the beginning of the academic year in which the concession is to apply.

Students in doubt as to whether an application is necessary to cover their own particular situation should enquire at the Admissions Office.

The Admissions Office is located in the Chancellery on the upper campus. Office hours are from 9 am to 1 pm and 2 pm to 5 pm, Monday to Friday. An evening service is provided during the enrolment period.

Notices

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

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 appeal 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.

Preface

This Handbook is primarily for undergraduate students in the Faculty of Arts and aims to provide in convenient form information concerning the Faculty, the requirements for the degree of Bachelor of Arts and the subject matter of the different courses offered, including text and principal reference books.

An endeavour has been made to provide answers to those problems which students are most likely to encounter. *It is important that each student in the Faculty becomes well acquainted with the information presented here.* If problems remain unanswered, enquiries may be referred to the Faculty office, Room G1, which is situated on the ground floor of the Morven Brown Building (Arts), near the top of Basser Steps.

It is possible that changes may be made affecting the information presented in this Handbook, especially concerning subjects offered and prescribed reading. Students are strongly advised to consult frequently the notice-boards of the different Schools as well as the official notice-boards of the University, to keep abreast of any changes as well as to keep informed of pertinent announcements from time to time.

Staff

Comprises Schools of Drama, English, French, German, History, History and Philosophy of Science, Philosophy, Political Science, Russian, Sociology, Spanish and Latin American Studies. The following Schools are members of the Faculty: Economics, Mathematics and Psychology.

Dean

Professor F. K. Crowley

Chairman

Professor O. N. Burgess

Executive Assistant

Associate Professor A. A. Congalton

Administrative Assistant

Rene Roger Karrer, BA N.S.W.

Research Assistant

Jacqueline Ilbery, MA N.S.W.

Lecturers

Peter Rene Gerdes, PhD *Basle*

John Duncan Golder, BA R'dg., MA *Brist.*

Mark J. Nearman, BA *Howard*, MA *Amer. Univ.*, PhD *Wash.*

Marie-Louise Mathilde Thiersch, MA *Adel.*, PhD *N.S.W.*

Margaret Anne Williams, BA *Melb.*, PhD *Monash*

Tutors

Timothy Fitzpatrick, BA *Syd.*

David Marshall Martin, BA *St. Bernard Coll., Alabama*,

MFA *Fla. S.U.*

Richard David Murphett, BA *Monash*, MA *Tor.*

William Pollak

School of Economics

See Faculty of Commerce.

School of Drama

Professor of Drama and Head of School

Cecil Robert Burnet Quentin, MA *Oxon.*

Senior Lecturers

Victor Eugene Emeljanow, MA *N.Z.*, PhD *Stan.*

Oliver Fiala, BA *Med DipEd Syd.*, PhD *Colorado*, MACE

Philip Edward Parsons, BA *W.Aust.*, MA *PhD Camb.*

Jean Wilhelm, AB *Smith*, MA *West Virginia*, PhD *Minn.*

School of English

Professor of English and Head of School

Harold James Oliver, MA *Syd.*, FAHA

Professor of English

Professor Neil Burgess, MA *DipEd Syd.*

Associate Professors

Ronald George Geering, MA *DipEd Syd.*

Harry Payne Heseltine, BA *W.Aust.*, MA *PhD Louisiana State*

Senior Lecturer

James Michael Allen, BA *Rand* and *Oxon*.

Lecturers

Michael Joseph Crennan, MA *Melb*.
 Roslyn Doris Haynes, BSc *Syd.*, MA *Tas.*, PhD *Lelc*.
 Anthony John Bruce Johnson, MA *Adel.*, PhD *Lond*.
 Denise Desiree Harding Kaitas, BA *Syd.*, MA *Oxon.*,
 DipClassArchaeol *Oxon*.
 Richard Elton Raymond Madelaine, BA *Adel.*, PhD *Lond*.
 Margaret Rogerson, MA *Syd.*, PhD *Leeds*
 Janet Christine Walker, MA *Syd*.

Tutors

Eleanore Margaret Bradstock, BA DipEd *Syd.*, MA *Macq*.
 Robyn Ann Graham, BA *N.S.W*.
 Marlene Ann Hall, BA *Syd*.
 Rosalind Ann Pitman, BA *N.E*.
 Louise Katherine Wakeling, BA *N.S.W.*, DipEd *N.E.*, MA *Adel*.
 Pauline Ethel Watson, BA DipEd *Syd.*, MA *N.S.W*.

Teaching Fellow

Louise Moira Miller, BA *N.S.W*.

School of French

Professor of French and Head of School

Jean Stephane Jacques Roger Henry Chaussivert, LèsL *Paris*,
 MèSL *Poitiers*

Senior Lecturer

Michael John Freyne, MA *N.Z.*, LèsL *Paris*, DèSL *Paris-Sorbonne*, Dipl.d'Et. Prat.(Phon.) *Paris*

Lecturers

Maurice John Blackman, BA *Syd.*, PhD *N.S.W*.
 Alan Lawrence Chamberlain, BA DipEd *Syd.*, DU *Paris*
 Anthony Stewart Newman, BA DipEd *Syd.*, DU *Besançon*
 Vera Sauran, LScPol *Paris*, PhD *N.S.W*.

Tutors

Emmeline Marie Jeanette Boothroyd, BA *Syd*.
 Hannelore Renate Elfrieda Sheehan, BA *Melb.*, LèsL
Aix-en-Provence

School of German

Professor of German and Head of School

John Rowland Millfull, BA PhD *Syd*.

Senior Lecturer

Gero Max von Wilpert

Lecturers

Horst Jung Diefenbach, BA PhD *Qld*.
 Olaf Gunter Reinhardt, BA PhD *Syd*.
 Margaret Anne Rose, BA PhD *Monash*
 Harry Leonard Simmons, BA *W.Aust.*, PhD *A.N.U*.

School of History

Professor of History and Head of School

Francis Keble Crowley, MA PhD *Melb.*, DPhil *Oxon.*, FAHA

Professor of History

Patrick James O'Farrell, MA *N.Z.*, PhD *A.N.U*.

Associate Professors

William James Hudson, BA *Qld.*, MA *Melb.*, PhD *A.N.U*.
 Kathleen Nellie Woodroffe, MA PhD *Adel*.

Senior Lecturers

Ian Donald Black, BA *Adel.*, PhD *A.N.U*.
 Richard Ian Cashman, BA *Syd.*, MA *Monash*, PhD *Duke*

Lecturers

Ian James Bickerton, BA *Adel.*, MA *Kansas*, PhD *Clatamont Colls*.
 Philip Sidney Edwards, BA *Lond.*, PhD *Camb*.
 Frank Farrell, BA *A.N.U.*, DipEd *Canberra C.A.E.*, PhD *A.N.U*.
 Alan David Gilbert, MA *A.N.U.*, DPhil *Oxon*.
 Maxwell Vernon Harcourt, MA *W.Aust.*, PhD *Sus*.
 John Edward Ingleson, MA *W.Aust.*, PhD *Monash*
 Marian Ruth Kent, BA *N.Z.*, BA PhD *Lond.*
 Beverley Rhonda Kingston, BA *Qld.*, PhD *Monash*
 Michael Matthew McKernan, BA *A.N.U.*, PhD *A.N.U.*
 Michael Naylor Pearson, MA *Auck.*, PhD *Mich.*
 Ian Robert Tyrell, BA *Qld.*, MA PhD *Duke*

Senior Tutor

Winifred Joyce Mitchell, MA *N.E.*, PhD *N.S.W*.

Tutors

Benedict Francis Kiernan, BA *Monash*
 Helen Rosemary King, BA *N.S.W*.
 John Marcus Giveus Kirkaldy, MSc(Econ.) *Lond.*, DipEd *W.I*.
 Anthony William Mitchell, BA *Manc*.
 Nguyen Pham Dien, BA *A.N.U*.

Research Assistant

Cherry Weaver, BA *Syd.*, DipEd DipLib *N.S.W*.

School of History and Philosophy of Science

Professor of History and Philosophy of Science and Head of School

Vacant

Professor of History and Philosophy of Science

John Basil Thornton, BA BSc *Syd*.

Senior Lecturer and Acting Head of School

William Hilton Leatherdale, BA *Melb.*, PhD *N.S.W*.

Arts

Senior Lecturer

Robert Mortimer Gascoigne, MSc Syd., PhD Liv.

Lecturers

William Randall Albury, BA PhD Johns H.
Guy Allard Freeland, BA PhD Brist., CertHist&PhilosSci Camb.
David Roger Oldroyd, MA Camb., MSc Lond., PhD N.S.W.
John Richard Saunders, BSc Sus., PhD N.S.W.

Senior Tutor

Nessy Allen, BA DipEd N.S.W.

Tutor

Shirley Denise Saunders, MA N.S.W.

Sailesh Chanora Ghosh, BA Dacca, MA Calc., MSocSc
Inst.Soc.Stud., The Hague, PhD Manc.
Harmut Kopsch, BA Sheff., MA Br.Col., PhD Lond.
Frederick Alexander Mediansky, BA San Francisco, PhD Syd.
John Barrington Paul, MA Melb.
George Shipp, MEd Syd.
Elaine Vera Thompson, BEc PhD Syd.

Tutors

Ross Andrew Edward Fitzgerald, BA Monash, MA Case W.R.,
PhD N.S.W.
Damian John Grace, BA N.S.W.
Robert John Griffin, BA N.S.W.
Nora Frida Isert, BA Syd.
Stephen John Morris, BA Syd.

Research Assistant

Joyce Margaret Van Sommers

School of Mathematics

See Faculty of Science.

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 Oxon.
Raymond Steven Walters, MA Syd.

Lecturers

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 Oxon.

Professor

Preston King, BA Fisk, Tennessee, MSc PhD L.S.E.

Associate Professor

Owen Harries, BA Wales, MA Oxon.

Senior Lecturers

Donald Richmond Horne
Anthony Creedon Palfreeman, L&ScPol Geneva, MA A.N.U.

Lecturers

Adrian Man-Cheong Chan, BA Syd., PhD A.N.U.
Conal Stratford Condren, MSc(Econ.) PhD Lond.

School of Psychology

See Faculty of Biological Sciences.

School of Russian

Professor of Russian and Head of School

Tatjana Cizova, BA Syd. and Lond., DipSlavStudies Oxon.

Senior Lecturer

Michael Ullman, Diplom Leningrad State Univ.

Lecturers

Zhanna Dolgoplova, Diplom Gersten Pedagog.Inst., Leningrad
Barry Edward Lewis, BA MPhil Leeds

Senior Tutor

Victoria Gantimourova, CandCommScis Inst. Oriental & Comm.
Scis., Herbin

School of Sociology

Professor of Sociology and Head of School

Solomon Encel, MA PhD Melb.

Professor

Colin Roy Bell, BA Keele, MScEcon Wales

Associate Professor

Athol Alexander Congalton, MA DipEd N.Z.

Senior Lecturer

Stephen Oliver D'Alton, MEd Syd., PhD N.S.W.

Lecturers

Michael Paul Blttman, BA *N.S.W.*
 William John Bottomley, BA *Syd.*
 Bettina Cass, BA *N.S.W.*
 Alexander Kondos, BA *W.Aust.*
 Terence Sean Leahy, MA *Car.*
 Frances Hewlett Lovejoy, BSc BCom *Qld.*, MAgEc *N.E.*
 Alexander Francis Mamak, BA *Calif.*, MA PhD *Hawaii*
 Hannah Elina Middleton, BA *Lond.*, PhD *Berlin East*
 John Joseph Ray, MA *Syd.*, PhD *Macq.*
 Christopher Alan Rootes, BA *Qld.*, BPhil *Oxon.*

Tutors

Eva Maria Cox, BA *N.S.W.*
 Robert James Carver Cullen, BA *Durh.*
 Ann Emily Macken, BEc *Syd.*
 David Allen Roberts, BSc(Soc) *Lond.*, PGCE *Liv.*

Research Assistant

Tina Pill, BA *City, N.Y.*

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*
 John Thomas Brotherton, BA PhD *Birm.*
 Stephen William George Gregory, MA *Sheff.*
 John Stevenson, MA *Essex* and *Lond.*

Faculty Information

In the Faculty of Arts undergraduate courses to Honours level are offered in the fields of Drama, Economic History, Economics, English, French, Geography, German, History, History and Philosophy of Science, Industrial Relations, Mathematics (Pure and Applied), Philosophy, Political Science, Psychology, Russian, Sociology, Spanish and Latin American Studies, and Statistics.

The undergraduate courses offered lead to the degree of Bachelor of Arts (BA) at either Pass or Honours level.

Undergraduate courses leading to the double degrees of Bachelor of Arts and Bachelor of Laws and of Bachelor of Arts and Bachelor of Engineering are also offered. Information about these combined degrees is contained in the handbooks of the Faculties of Law and Engineering.

The graduate courses offered for qualified students lead to the degree of Master of Arts (MA) (pass or honours), or Doctor of Philosophy (PhD). In addition, the Faculty may recommend the award of the degree of Doctor of Letters (DLitt) for an original contribution of distinguished merit to Letters. Not all Schools are offering the MA degree at Pass and Honours level. Prospective graduate students should seek further information from the Head of the School concerned.

Details of the conditions governing the award of these graduate degrees and diplomas are contained in the Calendar; details of graduate courses are given later in this handbook.

Faculty of Arts Enrolment Procedures

Preliminary Enrolment

Re-enrolment forms and Form Arts/76 will be obtainable from the Faculty Office, Room G1, Arts Building, from 14 October 1975. Each student must collect these forms and return them completed to the Faculty Office no later than 16 January 1976. Students who are unable to pick up their own forms should send a representative to do so for them with a letter of authority. Any students requiring advice on their 1976 program can make an appointment to discuss it by telephoning 663 0351, extension 2248, or calling at the Faculty Office, Room G1, Arts Building.

Enrolment Timetable

Having complied with the preliminary enrolment instructions students should return to complete their re-enrolment in Room G3, Arts Building, in accordance with the following timetable:

Year 2

Surnames A to C	Thursday 19 February 9.30 am to 12.30 pm
Surnames D to H	Thursday 19 February 2.30 pm to 5.00 pm
Surnames I to L	Friday 20 February 9.30 am to 12.30 pm
Surnames M to O	Friday 20 February 2.30 pm to 5.00 pm
Surnames P to S	Monday 23 February 9.30 am to 12.30 pm

Surnames T to Z	Monday 23 February 2.30 pm to 5.00 pm
Year 3	
Surnames A to C	Tuesday 24 February 9.30 am to 12.30 pm
Surnames D to H	Tuesday 24 February 2.30 pm to 5.00 pm
Surnames I to L	Wednesday 25 February 9.30 am to 12.30 pm
Surnames M to O	Wednesday 25 February 2.30 pm to 5.00 pm
Surnames P to S	Thursday 26 February 9.30 am to 12.30 pm
Surnames T to Z	Thursday 26 February 2.30 pm to 5.00 pm

Year 4	
Surnames A to L	Friday 27 February 9.30 am to 12.30 pm
Surnames M to Z	Friday 27 February 2.30 pm to 5.00 pm

New Students with Advanced Standing

Friday 27 February
9.30 am to 12.30 pm
2.30 pm to 5.00 pm
6.00 pm to 7.30 pm

Students who are unable to attend personally for re-enrolment should send a representative to do so at the specified time with a letter of authority. Students who fail to do this or fail to attend personally will be required to attend one of the late enrolment periods (see relevant section).

Enrolment Centre

Room G3
Morven Brown Building (Arts)

Enrolment in Miscellaneous Subjects (Students not proceeding to a degree or diploma)

Students may be accepted for enrolment in miscellaneous subjects provided the University considers that the subject/s will be of benefit to the student and there is accommodation available. Only in exceptional circumstances will subjects taken in this way count towards a degree or diploma.

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.

Students who have obtained written permission to enrol may attend the Unisearch House enrolment centre on:

Friday 27 February
9.30 am to 12.30 pm

or they may enrol by attending the Admissions Office, Chancellery, at the times shown below:

Week Commencing 1 March	Monday to Friday 9.30 am to 1.00 pm 2.00 pm to 4.30 pm 5.30 pm to 7.00 pm
--------------------------------	--

Week Commencing 8 March	Monday to Friday 9.30 am to 1.00 pm 2.00 pm to 4.30 pm Wednesday and Friday 5.30 pm to 7.00 pm
--------------------------------	--

Late Enrolments

Students are strongly advised to attend for enrolment during *Enrolment Week* as those who fail to do so not only miss initial classes but disrupt lecture, tutorial and practical work programs and cause considerable inconvenience to lecturers and the punctual students.

There are two late enrolment sessions:

First Late Enrolment Period

Wednesday 3 March

Second Late Enrolment Period

Wednesday 10 March

The times and locations for late enrolment in the Faculty of Arts are:

Faculty Office, Room G1,
Ground Floor
Morven Brown Building
2.00 pm to 6.00 pm

Enquiries Concerning Course Regulations

Students requiring assistance should consult the Faculty of Arts Office, telephone 663 0351, extension 2248, Room G1, Morven Brown Building.

Deferred Examinations in Arts and Commerce

1. Except in exceptional circumstances deferred examinations may only be granted in Commerce degree courses in subjects taught by schools of the Faculty or by those schools in the Faculty of Arts listed in (2) below or in the Arts degree courses in subjects offered by the School of Economics, when a student through illness or for some other acceptable reason has been prevented from taking the examination or has been placed at a serious disadvantage during the examination;
2. except on medical or compassionate grounds, no deferred examination may be granted in the Arts degree course in subjects offered by the Schools of Drama, English, French, German, Geography, History, History and Philosophy of Science, Philosophy, Political Science, Russian, Sociology, Spanish and Latin American Studies.

For further information on deferred examinations, students should consult the *General Information—Examinations* section in an earlier part of this handbook.

Student Clubs and Societies

Students have the opportunity of joining a wide range of clubs and societies. Affiliated with the Students' Union are the School and Faculty associations, and the numerous religious, social and cultural clubs. There are also many sporting clubs 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 programme 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 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.

Regular meetings of the Historical Society are held in the History Seminar Room (350) in the Morven Brown Building. All students are welcome to attend.

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 on Dramsoc, write c/o Box 69, University Union.

The French Society

The French Society aims mainly to be the focal point for students of French. There are no prescribed limits to its activities which are generally cultural, social or political, and its membership is open to anyone, student or non-student, who is interested in any aspect of French life and French culture, from Camus to camembert.

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

Social and cultural activities are wide in range, including dinners, wine and cheese soirées, films, discussions and theatre parties. This year a residential weekend is planned, where French language and ideas will be put into action. All new students are encouraged to attend.

The Society meets regularly during the lunch break or in the evenings. (Meetings are nearly always conducted in English.) 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 organises regular public meetings, private meetings and seminars.

Further information may be obtained from the School of Philosophy.

The Julian Society

Concerned to provide the opportunity for interesting discussions on all types of literature, the Julian Society, the literary society of the University, meets fortnightly, currently, on Thursday nights. 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 topics 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. The Society's journal, first produced in 1971, will continue to be published.

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 weekly film showings and occasional talks and seminars (eg, on careers, course requirements, etc.). An activities fee of 50 cents enables the committee to meet any of the finances needed to support its functions.

Undergraduate Study

Courses available for the Degree of Bachelor of Arts

Schedule A

The following is a list of units 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.

Tabular 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).

Biology

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
17.011	Biology of Mankind	I	1	S1	6	Science at Level 2S or higher		
17.021	Compar. Functional Biology	I	1	S2	6	Terminating pass acceptable. 17.011		
17.012	Gen. Ecology	II	1	S1	6	17.001 or 17.011 and 17.021		
43.101	Genetics	II	1	S2	6			
43.111	Flowering Plants	II	1	S1	6			

Biology (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
43.121	Plant Phys.	II	1	S2	6	17.001 or 17.011 and 17.021 2.001 or 1.001* or 1.031* or 1.041*		
43.142	Environ. Botany	III	1	S1	6	17.001 or 17.011 and 17.021 1.001 or 1.031 or 1.041		
45.101	Biometry	II	1	S1	6	17.001 or 17.011 and 17.021		
45.201	Invert. Zoo.	II	1	S2	6	17.001 or 17.011 and 17.021		
45.301	Vert. Zoo.	II	1	S1	6	17.001 or 17.011 and 17.021		

*This unit may be taken as a co-requisite in some circumstances.

Chemistry

2.001	Chem. I	I	2	F	6	H.S.C. Science 2S
2.002A*	Physical Chemistry	II	2/3	SS	6	1.001 or 1.011 and 2.001 and 10.001 or 10.011 or 10.021
2.002B*	Organic Chemistry	II	2/3	SS	6	2.001
2.002D*	Analytical Chemistry	II	2/3	SS	6	2.001 and 10.001 or 10.011 or 10.021
2.042C*	Inorganic Chemistry	II	2/3	SS	6	2.001

*May be offered in one session or over full year.

Computer Science

6.601A	Introduction to Computer Science	II	1	S1	5	10.001
6.601A*	Introduction to Computer Science	II	1	F	2½	10.001
6.602C	Computer Applications	III	1	S1	5	6.601A

*Offered only in the evening.

Drama

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
57.101	World Drama One	I	1	S1	5			
57.102	World Drama Two	I	1	S2	5	57.101		
57.103	The Uses of Drama	U	1	S1	4	57.102*		57.113
57.104	The Play and its Presentation	U	1	S2	4	57.103*		57.114
57.125	Form and Idea in Drama 1900-1950	U	1	S1	3	57.104*		57.504, 57.505, 57.515
57.135	Film One	U	1	S1	3	57.104*		57.504, 57.505, 57.515
57.145	Australian Drama	U	1	S1	3	57.104*		57.504, 57.505, 57.515
57.155	Radio Drama	U	1	S1	3	57.104*		57.504, 57.505, 57.515
57.156	Classical French Theatre	U	1	S1	3	57.104*		57.504, 57.505, 57.515
57.105	Japanese Theatre and Civilisation to 1600	U	1	S1	3	57.104*		57.504, 57.505, 57.515
57.106	Japanese Theatre and Civilisation from 1600 to Today	U	1	S2	3	57.104*		57.504, 57.505, 57.515
57.126	Form and Idea in Drama from 1950	U	1	S2	3	57.125*		57.504, 57.505, 57.515
57.115	Victorian Popular Theatre	U	1	S2	3	57.104*		57.504, 57.505, 57.515
57.136	Film Two	U	1	S2	3	57.135*		57.504, 57.505, 57.515
57.146	Educational Drama	U	1	S2	3	57.104*		57.504, 57.505, 57.515
57.506	Drama and Theatre in Germany	U	1	S2		57.104*		57.504, 57.505, 57.575

*Or equivalent qualifications as determined by the School.

Drama (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
57.113	Dramatic Criticism I	A	1	S1	6	57.102(Cr)	††	Any Upper Level Drama Unit which is taken as a component of an Advanced Level unit
57.114	Dramatic Criticism II	A	1	S2	6	57.113(Cr)	††	
57.504	Dramatic Construction	A	1	S1	5	57.114(Cr)	57.515†	
57.505	Greek Drama and Civilization	A	1	S2	5	57.504(Cr)	57.515†	
57.515	Comedy	A	2	F	5	57.114(Cr)	57.504, 57.505	
57.526	Drama Honours	H	2	F	4	57.504, 57.505(Cr) and 57.515(Cr)		

57.504 }
 57.505 } Include a choice of four Upper Level courses other than 57.103 and 57.104. (Students do not enrol formally in Upper Level courses.)
 57.515 }

††57.113 includes 57.103. 57.114 includes 57.104, plus additional work.

Note: Upper Level units 57.126 and 57.136 are not available to students taking four Upper Level units only.

Economic History

15.701	Economic History IA (Arts)	I	1	S1	3			
15.711	Economic History IB (Arts)	I	1	S2	3	15.701		
15.601	Economic History IA	I	1	S1 or S2	3			
15.611	Economic History IB	I	1	S1 or S2	3	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*		
15.603	Australian Economic Development in the Nineteenth Century	U	1	S1	3	15.011 or 15.692*		15.613
15.623	The Transformation of the Japanese Economy since 1868	U	1	S2	3	15.011 or 15.692 and 15.601 or 15.711*		15.633
15.643	Economic History of British Imperialism	U	1	S2	3	15.601 or 15.711*		

Economic History (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
15.653	Aspects of British Economic and Social Change 1740-1850	U	1	S2	3	*		
15.655	The Commercial and Financial Revolutions In Europe in the 17 and 18 Centuries	U	1	S1	3	15.601 or 15.701		
15.663	Economic Change In Modern India 1750-1950	U	1	S2	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		
15.673	The Modernization of the Chinese Economy	U	1	S1	3	*		
15.675	Economy of China since 1949	U	1	S2	3	Nil		
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	15.692 and 15.695 or 15.421		
15.695	Quantitative Models in Historical Analysis	U	1	S2	3	Nil		
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	S1	4	Nil		
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
15.613	Australian Economic Development in the Nineteenth Century	A	1	S1	4	15.011 or 15.692**		15.603

Economic History (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
15.633	The Transformation of the Japanese Economy since 1868	A	1	S2	4	15.011 or 15.692 and 15.601 or 15.711**		15.623
15.743	The Economic History of Urbanisation	A	1	S2	4	**		
15.704 } 15.714 }	Economic History } Honours (Arts) }	H	{1 1 }	{F F }	{4 4 }	At least two of 15.632, 15.672, 15.613, 15.633, 15.745, 15.743, and 15.011 or 15.692 all Cr**		

* 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

15.001	Economics IA	I	1	S1 or S2	3½			
15.011	Economics IB	I	1	S1 or 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	*	6	15.062 or 15.012		
15.043	The Soviet Economy	U	Part, see 15.263	S1	3	See 15.263†	One of 15.053, 15.082, 15.092, 15.203, 15.123	
15.053	Economic Development	U	Part, see 15.263	S1	3	See 15.263†	One of 15.043, 15.082, 15.092, 15.203, 15.123	
15.082	Labour Economics	U	See 15.263	S1	3	See 15.263†	One of 15.043, 15.053, 15.092, 15.203, 15.123	
15.092	Political Economy of Contem. Capitalism	U	See 15.263	S1	3	See 15.263†	One of 15.043, 15.053, 15.082, 15.203, 15.123	
15.203	Japanese Economic Policy	U	3		1	See 15.263†	One of 15.043, 15.053, 15.082, 15.092, 15.123	
15.123	Urban and Regional Economics	U	3		1	See 15.263†	One of 15.043, 15.053, 15.082, 15.092, 15.203	

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 H.S.C. Maths IIS or better†	15.103	
15.083	Public Finance	U	See 15.273	S2	3	See 15.273†	15.273, 15.103	
15.103	Internat. Economics	U	3		2	See 15.273†	15.273 and one of 15.083, 15.163, 15.213	
15.163	Industrial Organization and Control	U	See 15.273	S2	3	See 15.273†	15.273, 15.103	
15.213	Japanese International Economic Relations	U	3		2	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	S2	3	15.013††		
15.024	Economics Honours (Arts)	H	1	F	2	15.012, 15.032, 15.052, 15.013, 15.033, 15.173 all Cr.		
15.034	Economics Honours (Arts)	H	1	F	2			
15.411	Quantitative Methods A	I	1	S1 or S2	3	H.S.C. Maths IIS or better	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	10.001 or 15.411		

* Consists of two of 15.043, 15.053, 15.082, 15.092, 15.123 and 15.203.

**Consists of 15.103 International Economics and one of 15.083, 15.163 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.

English

No	Name	Level	Unit Value	When Offered	Hp/w	Prerequisites	Co-requisites	Excluded
50.511	English IA	I	2	F	4	H.S.C. English Level 2 or better or acceptable equivalent		50.521
50.521	English IB	I	2	F	4	H.S.C. English Level 2 or better or acceptable equivalent		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	6	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

56.501	French IA—Introductory French	I	2	F	6			
56.511	Contemporary French Language, Literature and Civilization	I	2	F	5	H.S.C. French Level 2 or better*		
56.521	French Language	I	1	F	3	H.S.C. French Level 2 or better*		
56.502	French IIA—Intermediate French	U	2	F	6	56.501		
56.512	Enlightenment, Romanticism, Realism	U	2	F	5	56.511		56.532
56.152	French Political Theatre in the Twentieth Century	U	1	F	2	Any four Level I Arts units		
56.162	Recent Political and Sociological Speculation by French Intellectuals	U	1	F	2	Any four Level I Arts units and preferably H.S.C. French Level 2*		
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

French (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
56.153	Classical France	U	1	S1	6(3)	56.502 or 56.522, 56.512 or 56.532		56.173
56.154	Renaissance 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
56.532	Enlightenment, Romanticism, Realism (Advanced)	A	2	F	6	56.511(Cr)*		56.512
56.163	Modern France A (Advanced)	A	1	S1	7½	56.532(Cr)* or 56.522(Cr)*		56.103
56.164	Modern France B (Advanced)	A	1	S2	7½	56.163		56.104
56.173	Classical France (Advanced)	A	1	S1	7½ (4½)	56.532(Cr)* or 56.522(Cr)*		56.153
56.174	Renaissance 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 two of 56.163(Cr), 56.164(Cr), 56.173(Cr) and 56.174(Cr), for students taking Honours in French and another subject		

*Or equivalent qualifications as determined by the School.

Geography

27.801	Introduction to Physical Geography	I	1	S1	4½ *			
27.802	Introduction to Human Geography	I	1	S2	4½ **			
Group A								
27.811	Physical Geography	U	1	S2	4½ †	27.801	27.813	
27.812	Human Geography	U	1	S1	4½ †	27.802	27.813	
27.813	Geographic Methods***	U	1	F	2	27.801 and 27.802	27.811 or 27.812	
Group B§								
27.820	Location Studies	U	1	S1	5	27.812 or 15.072		
27.821	Marketing Geography	U	1	S1	5	27.812 or 15.072		

Geography (continued)

No.	Name	Level	Unit Value	When Offered	How	Prerequisites	Co-requisites	Excluded
27.822	Transportation Geography	U	1	S2	5	27.812 or 15.072		
27.823	Urban Geography	U	1	S1	5	27.812		
27.840	Agricultural Geography	U	1	S2	5	27.812 or 15.603 or 51.542 or 53.204		
27.841	Population Geography	U	1	S2	5	27.812 or 15.763 or 53.204		
27.842	Social Geography†	U	1	S2	5	27.812 or 53.204		
Group C§								
27.860	Landform Studies	U	1	S1	5	27.811		
27.862	Australian Environment and Land Resources	U	1	S2	5	27.811		
27.863	Soils, the Ecosystem and Man	U	1	S1	5	27.811		
Group A§								
27.880	Advanced Geographic Methods	A	1	F	2½	27.811(Cr) or 27.812(Cr)††	27.801 and 27.802††	
Group B§								
27.830	Location Studies	A	1	S1	6	27.812(Cr) plus another U.L. unit (Cr)	27.801††	
27.831	Marketing Geography	A	1	S1	6	27.812(Cr) plus another U.L. unit (Cr)	27.801††	
27.832	Transport. Geography	A	1	S1	6			
27.833	Urban Geography	A	1	S1	6			
27.850	Agricultural Geography	A	1	S2	6			
27.851	Population Geography	A	1	S2	6			
27.852	Social Geography†	A	1	S2	6			
Group C§								
27.870	Landform Studies	A	1	S1	6	27.811(Cr) plus another U.L. unit (Cr)	27.802††	
27.872	Australian Environment and Land Resources	A	1	S2	6			
27.873	Soils, the Ecosystem and Man	A	1	S1	6			

Geography (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
27.890	Thesis and Associated Seminars	H	1	F	3	Three Advanced Level units (Cr)	27.891 or 27.892 or 27.893	
27.891	Honours Economic Geography	H	1	S1	6		27.890	
27.892	Honours Human Geography	H	1	S1	6		27.890	
27.893	Honours Physical Geography	H	1	S1	6		27.890	

* Two field tutorials, equivalent to sixteen tutorial hours, are a compulsory part of the subject.

** Involves 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.

†† Unless previously completed.

‡ Subject to availability of staff in 1976.

‡‡ In addition, from 1977 students will be required to have a graded pass in 27.813 Geographic Methods.

***Prerequisite or co-requisite for all Upper Level Geography from 1976.

§ See Note 1 Geography section, subject descriptions and textbooks.

Applied Geology

25.011	Geology I	I	2	F	6			25.151
25.151	Geoscience IA	I	2	F	6			25.011, 25.012, 25.022
25.012	Geology IIA	U	2	F	6	25.011		25.151
25.022	Geology IIB	U	1	F	3	25.011		25.151

German

64.501	German IA—Introductory German	I	2	F	6			
64.511	German IB	I	1	F	3	H.S.C. German Level 2 or better	64.521	
64.521	German IC	I	1	F	3	H.S.C. German Level 2 or better	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	

German (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
64.532*	German IIC	U	1	F	3	64.511		
64.542	German IID	U	1	F	3	64.511 <i>and</i> 64.521	64.532 (except native speakers)	64.552
64.552	German IID (Advanced)	A	1	F	4	64.511 <i>and</i> 64.521	64.532 (except native speakers)	64.542
64.562	German IIE	U	1	F	2	64.511 <i>and</i> 64.521	64.542	64.572
64.572	German IIE (Advanced)	A	1	F	3	64.511 <i>and</i> 64.521	64.542 <i>or</i> 64.552	64.562
64.503*	German IIIA	U	1	F	3	64.502 <i>or</i> 64.532	64.513	
64.513	German IIIB	U	1	F	3	64.502 <i>or</i> 64.532	64.503 (except native speakers)	64.523
64.523	German IIIB (Advanced)	A	1	F	4	64.502 <i>or</i> 64.532	64.503 (except native speakers)	64.513
64.533	German IIIC	U	1	F	2	64.502 <i>or</i> 64.532	64.513	64.543
64.543	German IIIC (Advanced)	A	1	F	3	64.502 <i>or</i> 64.532	64.513 <i>or</i> 64.523	64.533
64.553	German IIID	U	1	F	2	64.502 <i>or</i> 64.532	64.533	64.563
64.563	German IIID (Advanced)	A	1	F	3	64.502 <i>or</i> 64.532	64.533	64.553
64.504	German Honours	H	2	F	6	64.523, 64.543 <i>and</i> 64.563 <i>or</i> 64.572		
64.610	German Literature and Society	U	1	F	2	**		

* 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.

History

51.501	History IA—Tradition and Society in Asia	I	2	F	3			NB: Only 2 Level 1 units can be taken in the BA degree course
51.511	History IB—Europe 1500-1945	I	2	F	3			
51.521	History IC—Australian History 1788-1916: A Survey	I	2	F	3			
51.532	History IIA—Modern India 1757-1976	U	2	F	3	51.501 <i>or</i> 51.511 <i>or</i> 51.521*		
51.542	History IIB—Australia in the Twentieth Century	U	2	F	3	51.501 <i>or</i> 51.511 <i>or</i> 51.521*		

History (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
51.552	History IIC—Internat. History since 1914	U	2	F	3	51.501 or 51.511 or 51.521*		
51.562	History IID—South-East Asian History	U	2	F	3	51.501 or 51.511 or 51.521*		
51.572	History IIE—The History of the United States	U	2	F	3	51.501 or 51.511 or 51.521*		
51.602	Indian History	A	2	F	4	51.501 or 51.511 or 51.521 (All Cr)		Any Upper Level History unit which is taken as a component of an Advanced Level unit
51.612	Australian Political History	A	2	F		51.501 or 51.511 or 51.521 (All Cr)		
51.622	The Rise and Fall of the Lady in Australia	A	2	F		51.501 or 51.511 or 51.521 (All Cr)		
51.632	The American Revolution and the Federal Constitution 1764-1788	A	2	F		51.501 or 51.511 or 51.521 (All Cr)		
51.642	South-East Asian History	A	2	F		51.501 or 51.511 or 51.521 (All Cr)		
51.652	Zionism and Middle Eastern Conflict 1917-1973	A	2	F		51.501 or 51.511 or 51.521 (All Cr)		
51.662	Reform and the Social Order in America, 1800-1860	A	2	F		51.501 or 51.511 or 51.521 (All Cr)		
51.703	History Honours	H	2	F		Six Advanced Level History Units (Cr)		

*Or equivalent qualifications as determined by the School.

History and Philosophy of Science

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
62.211	The Seventeenth Century Intellectual Revolution	I	1	S1	3			
62.202	The History of Ancient and Renaissance Cosmology	I	1	S2	3			
62.212	The Cultural Impact of the Seventeenth Century Scientific Revolution	I	1	S2	3			

History and Philosophy of Science (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
62.223	The Discovery of Time	U	1	S1	4	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*		
62.253	Social History of Science from French Revolution to W.W. II	U	1	S2	4	Any 4 Arts or other approved units*		
62.263	The Development of Theories of Matter	U	1	S1	4	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)*		
62.503	The Philosophy of Science	U	1	F	2	Four Arts or other approved units (including 2 HPS or 2 Philosophy or 1 HPS and 1 Philosophy or 2 approved science units)*		
62.513	The History of the Philosophy and Methodology of Science	U	1	F	2	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	3			
15.525	Industrial Relations IIA	U	1	S1	3	15.011 with 15.511 co- or prerequisite		15.528
15.528	Industrial Relations IIA (Honours)	A	1	S1	3	15.511		
15.526	Industrial Relations IIB	U	1	S2	3	15.525		15.529
15.529	Industrial Relations IIB (Honours)	A	1	S2	3	15.528		
15.534	Industrial Relations IIIA	U	1	S1	4	15.526		
15.538	Industrial Relations IIIA (Honours)	A	1	S1	4	15.529		
15.535	Industrial Relations IIIB	U	1	S2	4	15.534		
15.539	Industrial Relations IIIB (Honours)	A	1	S2	4	15.538		15.575
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
15.555	Labour Market Economics	U	1	S2	3	15.525 and any Year II Economics subject		15.082
15.556	Manpower Policy	U	1	S2	3	15.555 or 15.082		
15.557	Wages and Incomes Policy	U	1	S2	3	15.555 or 15.082		
15.565	Industrial Relations Sociology	U	1	S2	3	15.525 or 53.102		
15.566	Industrial Conflict	U	1	S1	3	15.565		
15.567	Social Aspects of Work and Unionism	U	1	S1	3	15.565		
15.571	Industrial Relations Theory	U	1	S2	3	15.526		
15.572	Industrial Democracy	U	1	S1	3	15.525		
15.576	Labour History	U	1	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

Mathematics

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
10.001	Mathematics I	I	2	F	6	†		
10.011	Higher Mathematics I	I	2	F	6	†		
10.021	Mathematics II	I	2	F	6	†		
10.041	Introduction to Applied Mathematics	U	1	S2	6	†	10.001 or 10.011	

Pure Mathematics**Pure Mathematics Level II**

10.111A	Linear Algebra	II	2/3	F	2	10.001 or 10.011		10.121A
10.111B	Analysis	II	2/3	F	2	10.001 or 10.011		10.121B
10.1111	Group Theory	II/III	§	S1	2	10.001 or 10.011	10.111A, 10.111B, 10.211A	10.121A, 10.111C
10.1112	Geometry	II/III	§	S2	2	10.001 or 10.011	10.111A, 10.111B, 10.1111, 10.211A	10.121C, 10.111C

Higher Pure Mathematics Level II*

10.121A	Algebra	II	2/3	F	2½	10.011		10.111A, 10.1111
10.121B	Real and Complex Analysis	II	2/3	F	2½	10.011		10.111B
10.121C	Number Theory and Geometry	II/III	2/3	F	2½	10.011	10.121A, 10.121B; 10.221A or 10.211A	10.111A, 10.111C, 10.1112, 10.1121

Pure Mathematics Level III**

10.112B	Real Analysis	III	½	F	2	10.111B, 10.111A	10.211A	10.122B
10.112C	Differential Geometry	III	½	F	2	10.111A, 10.111B	10.211A	10.122C
10.1121	Number Theory	III	¼	S1 and/or S2	2	**	10.111A, 10.111B, 10.211A	10.121C, 10.112A
10.1122	Algebra	III	¼	S2	2	10.111A	10.111B, 10.1111, 10.211A	10.122A, 10.112A
10.1123	Set Theory	III	¼	S1 and/or S2	2	**	10.111A, 10.111B, 10.211A	10.112D
10.1124	Combinatorial Topology	III	¼	S1 and/or S2	2	10.111B	10.111A, 10.211A	10.112D

Mathematics (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
10.1125	Ordinary Differential Equations	III	¼	S1	2	**	10.112B	10.122E, 10.112E
10.1126	Partial Differential Equations	III	¼	S2	2	**	10.112B, 10.1125	
10.1127	History of Mathematics	III	¼	S1	2	10.111A, 10.111B, 10.211A		

Higher Pure Mathematics Level III***

10.122A	Algebra	III	½	F	2½	10.121A		10.1122
10.122B	Integration and Functional Analysis	III	½	F	2½	10.121B		10.112B
10.122C	Topology and Differential Geometry	III	½	F	2½	10.121A, 10.121B		10.1124, 10.112C
10.122E	Complex Analysis and Differential Equations	III	½	F	2½	10.121B		10.1125

† An appropriate level of Mathematics passed at H.S.C.

* 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, B and C and either 10.221A or 10.211A.

** Students will not normally be permitted to attempt a Level III Pure Mathematics unit unless they have completed at least one Level II unit from 10.111A, 10.111B and 10.211A and are concurrently attempting the remaining units of these three units.

***Students wishing to attempt 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.

§ When counted as a Level II unit, unit value is one-third; when counted as a Level III unit, unit value is one-quarter.

Applied Mathematics**Applied Mathematics Level II**

10.211A	Mathematical Methods	II	2/3	F	2	10.001		10.221A
10.211B	Analytical Dynamics	II	2/3	S1*	4	10.001 and 1.001	10.211A	10.221B
10.211C	Hydrodynamics	II/III	§	S2	4	10.001 and 1.001 or 10.041 or 5.010	10.211A, 10.111B	10.211C

Higher Applied Mathematics Level II

10.221A	Mathematical Methods	II	2/3	F	2½	10.011†		10.211A
10.221B	Analytical Dynamics	II	2/3	S1	4	10.011 and 1.011†	10.221A or 10.211A	10.211B 10.211C

Mathematics (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
10.221C	Hydrodynamics	II/III	§	S2	4	10.011 <i>and</i> 1.011†	10.221A <i>or</i> 10.211A, 10.011 <i>or</i> 10.001 Dist., 1.001 <i>or</i> 10.041 <i>or</i> 5.010 10.121B <i>or</i> 10.111B	

Applied Mathematics Level III

10.212A	Numerical Analysis	III	½	F	2	10.111A, 10.211A		10.222A
10.212D	Mathematical Methods	III	½	F	2	10.211A, 10.111A, 10.111B		10.222D 10.222E
10.212L	Optimization Techniques	III	½	F	2	10.111A, 10.111B, 10.211A		10.222L

Higher Applied Mathematics Level III

10.222A	Numerical Analysis	III	½	F	2	10.221A, 10.121A‡		
10.222C	Maxwell's Equations and Special Relativity	III	½	F	2	10.221A, 10.121B‡ 1.001		
10.222D	Mathematical Methods	III	½	F	2	10.221A, 10.121A, 10.121B‡		10.212D
10.222F	Quantum Mechanics	III	½	F	2	10.221A, 10.121A, 10.121B‡	10.222D	
10.222L	Optimization Techniques	III	½	F	2	10.221A, 10.121A, 10.121B‡		10.212L

Pure Maths Honours Level

10.123	Pure Mathematics Honours	H	2	F	10	**		
--------	--------------------------	---	---	---	----	----	--	--

* The evening course for 10.211B runs at 2 hrs. per week throughout the year.

† A student who gains a superior pass in 10.001 Mathematics I and/or 1.001 Physics I may apply to proceed to Higher Applied Mathematics units.

‡ 10.111A, B and 10.211A with a sufficiently good pass may be substituted as a prerequisite in place of 10.121A, B and 10.211A.

**Consult Department for details of prerequisites for admission to Honours level.

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

Mathematics (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
Statistics								
Theory of Statistics Level II								
10.311A	Probability and Random Variables	II	1	S1	7	10.001 or 10.011 or 10.021(Cr)		10.321A 10.331
10.311B	Statistical Inference	II/III	1	S2	7	10.001 or 10.011 or 10.021(Cr.), 10.311A or 10.321A		10.321B 10.331
10.331	Statistics SS	II	2/3	F	2	10.001 or 10.011 or 10.021(Cr)		10.311A, 10.311B, 10.321A, 10.321B
Higher Theory of Statistics Level II								
10.321A	Probability and Random Variables	II	1	S1	8	10.001 or 10.011		10.311A 10.331
10.321B	Statistical Inference	II/III	1	S2	8	10.001 or 10.011; 10.321A		10.311B 10.331
Theory of Statistics Level III**								
10.312A	Probability and Stochastic Processes	III	½	SS	4	10.311A or 10.321A; 10.111A or 10.121A; 10.111B or 10.121B; 10.211A or 10.221A		10.322A
10.312B	Experimental Design (Applications) and Sampling	III	½	SS	4	10.311B or 10.321B or 10.331 (normally Cr)	10.211A or 10.221A	10.322B
10.312C	Experimental Design (Theory)	III	½	SS	4	10.311B or 10.321B; 10.111A or 10.121A; 10.111B or 10.121B; 10.211A or 10.221A	10.312B† or 10.332B†	10.322C
10.312D	Probability Theory	III	½	SS	4	10.311A or 10.321A; 10.111A or 10.121A; 10.111B or 10.121B; 10.211A or 10.221A		10.322D
10.312E	Statistical Inference	III	½	SS		10.311B or 10.321B, 10.111A or 10.121A, 10.111B or 10.121B, 10.211A or 10.221A	†	10.322E

Mathematics (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
Higher Theory of Statistics Level III**								
10.322A	Probability and Stochastic Processes	III	½	SS	4½	10.321A; 10.111A or 10.121A; 10.111B or 10.121B; 10.211A or 10.221A		10.312A
10.322B	Experimental Design (Applications) and Sampling	III	½	SS	4½	10.321B; 10.111A or 10.121A; 10.111B or 10.121B; 10.211A or 10.221A		10.312B
10.322C	Experimental Design (Theory)	III	½	SS	4½	10.321B; 10.111A or 10.121A; 10.111B or 10.121B; 10.211A or 10.221A	10.322B†	10.312C
10.322D	Probability Theory	III	½	SS	4½	10.321A; 10.111A or 10.121A; 10.111B or 10.121B; 10.211A or 10.221A		10.312D
10.322E	Statistical Inference	III	½	SS		10.321B; 10.111A or 10.121A; 10.111B or 10.121B; 10.211A or 10.221A	†	10.312E
10.323	Theory of Statistics Honours	H	2	F	8	*		

† Plus any two Level III Pure Mathematics, or Applied Mathematics units.

* Consult Department for details of prerequisites for admission to Honours level.

**For a student taking four of 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 III**

10.412A	Dynamical and Physical Oceanography	III	½	F	2	1.001 or 1.011, 10.211A or 10.221A	†	
10.412B	Continuum Mechanics	III	½	F	2	10.111A, 10.111B and 10.211A	10.211C or 1.143F or 1.112C	10.422B

Higher Theoretical Mechanics Level III

10.422A	Fluid Dynamics	III	½	S2	4	10.221C or 10.211C Dist.		10.422B
10.422B	Mechanics of Solids	III	½	S1	4	10.111A, 10.111B, 10.211A, 10.221B or 10.211B Dist., or 1.222C or 1.112C Dist.		10.412B

†It is recommended that one of the following be taken concurrently: 10.211C or 10.221 or 1.112C.

Philosophy

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
52.151	Plato	I	½	S1	2	Nil		N.B. Only 4 Level I half-units can be taken in the BA degree course
52.161	Informal Logic	I	½	S1	2	Nil		
52.171	Philosophy of Religion	I	½	S2	2	Nil		
52.152	Hume	I	½	S2	2	Nil		
52.162	Formal Logic	I	½	S2	2	Nil		
52.172	Early Greek Philosophy	I	½	S2	2	Nil		
52.171	Philosophy of Religion	I	½	S2	2	Nil		
52.153	Predicate Logic	U	½	S1	2	Upper Level status in Philosophy** and 52.162		
52.163	Descartes	U	½	S1	2	Upper Level status in Philosophy**		
52.173	British Empiricism	U	½	S1	2			
52.183	Greek Philosophy: Thales to Plato	U	½	S1	2			
52.193	Scientific Method	U	½	S1	2			
52.203	Introduction to Political Philosophy	U	½	S1	2			
52.213	Sartre	U	½	S1	2	52.163		
52.223	Foundations of Mathematics	U	½	S2	2	52.153		
52.233	Argument	U	½	S2	2	Upper Level status in Philosophy**		
52.243	Logical Atomism	U	½	S2	2			
52.253	Philosophy of Biology	U	½	S2	2			
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	52.203 or 52.493		
52.293	Plato's Later Dialogues	U	½	S2	2	52.483*		
52.303	Spinoza and Leibniz	U	½	S2	2	52.163		
52.313	Ethics of Politics	U	½	S2	2	52.203*		
52.323	Set Theory	U	½	S1	2	52.153		
52.333	Philosophy of Perception	U	½	S1	2	52.163 or 52.173		
52.343	Privacy and Other Minds	U	½	S2	2	52.163 and 52.173 or 52.243		
52.353	History of Modern Logic	U	½	S1	2	52.153		
52.363	Wittgenstein	U	½	S1	2	52.243		

Philosophy (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
52.373	Philosophical Foundations of Marx's Thought	U	½	S2	2	52.203*		
52.383	Twentieth Century Marxist Philosophy	U	½	S2	2	52.203*		
52.393	History of Traditional Logic	U	½	S2	2	52.353		
52.403	Model Theory	U	½	S2	2	52.323		
52.413	Reading Option	U	½	S1 or 2		Satisfactory performance in Upper Level units		52.453
52.463	Introduction to Transformational Grammar	U	½	S1	2	Any Level I unit		
52.473	Semantics of Natural Language	U	½	S2	2	52.463 or 52.153		
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
52.493	Existentialism	U	½	S1 or 2 (to be notified)	2	Upper Level status in Philosophy**		
52.503	Utopias	U	½	S1 and 2	1½	Upper Level status in Philosophy** and 52.182 or 52.203		
52.423	Seminar A	A	½	S2	2	Upper Level units (Cr)		
52.433	Seminar B	A	½	S1	2	Upper or Advanced Level units (Cr)		
52.443	Seminar C	A	½	S2	2	Upper or Advanced Level units (Cr)		
52.453	Advanced Reading Option	A	½	S1 or S2		Upper or Advanced Level units (Cr)		52.413
52.504	Philosophy Honours	H	2	F	4			

* Or equivalent qualifications as determined by the School.

N.B. 52.162, 52.172 and 52.182 will be timetabled at the same time.

**Upper Level status in Philosophy consists in 1. being in second or later year of university study, and 2. having taken and passed two Level I Philosophy half-units in the same session. This 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	Science Faculty entrance		1.011
1.011	Higher Physics I	I	2	F	6	Science Faculty entrance		1.001
1.112A	Electromagnetism	U	1	S2	6	1.001, 10.001	10.211A	1.122A
1.112B	Modern Physics	U	1	S1	6	1.001, 10.001	10.211A	1.122B
1.112C	Thermodynamics and Mechanics	U	1	F	2	1.001, 10.001	10.211A	1.122C
1.122A	Electromagnetism	A	1	S2	6	1.011, 10.001	10.211A	1.112A
1.122B	Quantum Physics	A	1	S1	6	1.011, 10.001	10.211A	1.112B
1.122C	Thermodynamics and Mechanics	A	1	F	2	1.011, 10.001	10.211A	1.112C

Political Science

54.901	Australian Politics A or	I	1	1	3½			NB: Only 2 Level I units can be taken in the BA degree course
54.901	Australian Politics B	I	1	1	3½			
54.902	Comparative Politics	I	1	2	3			
54.903	Some Major Political Theories	I	1	2	3			
54.202	Selected Political Theorists	U	1	F	1½	2 Level I units including 54.901		
54.212	Politics of the USSR	U	1	2	3	2 Level I units including 54.901		
54.222	Politics of the US	U	1	1	3	2 Level I units including 54.901		
54.232	Politics of China	U	1	F	1½	2 Level I units including 54.901		
54.242	British Government	U	1	F	1½	2 Level I units including 54.901		
54.252	International Relations	U	1	F	1½	2 Level I units including 54.901		
54.262	The Government and Politics of Germany and Italy	U	1	F	1½	2 Level I units including 54.901		
54.272	Comparative Foreign Policy	U	1	F	1½	2 Level I units including 54.901		
54.282	British Political Thought	U	1	F	1½	2 Level I units including 54.901		
54.292	Politics and the Media	U	1	2	3	2 Level I units including 54.901		

Political Science (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
54.302	Marxism	U	½	S1	2	2 Level I units (Cr) including 54.901	Any 1 unit Upper Level course	54.502
54.312	Fascism	U	½	S2	2	2 Level I units (Cr) including 54.901	54.262	54.512
54.322	British Government: B	U	½	F	1	2 Level I units (Cr) including 54.901	Any 1 unit Upper Level course	54.522
54.332	Federalism: An Australian Perspective	U	½	S1	2	2 Level I units (Cr) including 54.901	Any 1 unit Upper Level course	54.532
54.342	International Security	U	½	F	1	2 Level I units (Cr) including 54.901	54.252	54.542
54.352	Plato and Machiavelli	U	½	S2	2	54.901(Cr) and 54.903(Cr)	Any 1 Unit Upper Level course	54.552
54.362	Chinese Political Thought I	U	½	F	1	54.901(Cr) and 54.903(Cr)	Any 1 Unit Upper Level course	54.562
54.372	Australian Foreign Policy	U	½	S1	2	2 Level I units (Cr) including 54.901	54.272 or 54.252	54.572
54.382	Political Theory	U	½	S1	2	54.901(Cr) and 54.903(Cr)	Any 1 unit Upper Level course	54.582
54.392	Aspects of Australian Political Culture	U	½	S2	2	2 Level I units (Cr) including 54.901 or 51.542(Cr)	Any 1 unit Upper Level course	54.592
54.601	Politics of the USSR: B	U	½	S2	2	2 Level I units (Cr) including 54.901	54.212	54.701
54.602	Politics of the US: B	U	½	S2	2	2 Level I units (Cr) including 54.901	54.222	54.702
54.603	Selected Third World Leaders	U	½	F	1	2 Level I units (Cr) including 54.901	Any 1 unit Upper Level course	54.703
54.604	Chinese Political Thought II	U	½	F	1	54.901(Cr), 54.903(Cr) and 54.362	Any 1 unit Upper Level course	54.704
54.605	Comparative Public Administration	U	½	F	1	2 Level I units (Cr) including 54.901	Any 1 unit Upper Level course	54.705
54.606	Politics of Indonesian Society	U	½	F	1	2 Level I units (Cr) including 54.901	Any 1 unit Upper Level course	54.706
54.502	Marxism (Advanced)	A	1	*	5**	2 Level I units (Cr) including 54.901	***	54.703
54.512	Fascism (Advanced)	A	1	*	5**	2 Level I units (Cr) including 54.901	***	54.312
54.522	British Government (Advanced)	A	1	F	5**	2 Level I units (Cr) including 54.901	***	54.322
54.532	Federalism: An Australian Perspective (Advanced)	A	1	*	5**	2 Level I units (Cr) including 54.901	***	54.332

Political Science (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
54.542	International Security (Advanced)	A	1	F	2½	2 Level I units (Cr) including 54.901	***	54.342
54.552	Plato and Machiavelli (Advanced)	A	1	*	5**	54.901(Cr) and 54.903(Cr)	***	54.352
54.562	Chinese Political Thought I (Advanced)	A	1	F	5**	54.901(Cr) and 54.903(Cr)	***	54.362
54.572	Australian Foreign Policy (Advanced)	A	1	*	5**	2 Level I units (Cr) including 54.901	***	54.372
54.582	Political Theory (Advanced)	A	1	*	5**	54.901(Cr) and 54.903(Cr)	***	54.382
54.592	Aspects of Australian Political Culture (Advanced)	A	1	*	5**	2 Level I units (Cr) including 54.901 or 51.542(Cr)	***	54.392
54.701	Politics of the USSR (Advanced)	A	1	2	5	2 Level I units (Cr) including 54.901	***	54.601
54.702	Politics of the US (Advanced)	A	1	*	2½	2 Level I units (Cr) including 54.901	***	54.602
54.703	Selected Third World Leaders (Advanced)	A	1	F	5**	2 Level I units (Cr) including 54.901	***	54.603
54.704	Chinese Political Thought II (Advanced)	A	1	F	5**	54.901(Cr) and 54.903(Cr)	***	54.604
54.705	Comparative Public Admin. (Advanced)	A	1	F	5**	2 Level I units (Cr) including 54.901	***	54.605
54.706	Politics of Indonesian Society (Advanced)	A	1	F	5**	2 Level I units (Cr) including 54.901	***	54.606
54.801	Political Science Honours	H	2	F		4 Advanced Level units plus 2 Upper Level ½ units, all at Credit		

***Each Advanced Level course consists of (a) the ½-unit Upper Level course bearing the same title, plus (b) the pre- or co-requisites shown in respect of these: and if none shown, any 1-unit Upper Level course.

** Each Advanced Level unit consists of 70 hours of lectures, tutorials and seminars, spread over one session or the full year.

* One session or full year, depending on components of unit (see *** above).

Psychology

12.001	Psychology I	I	2	F	5	Arts Faculty entrance	
12.022	Psychology IIT	U	2	F	4	12.001	All Psychology Upper and Advanced units
12.052	Basic Psychological Processes II	U	½	S1	4	12.001 (Advanced Pass)	

Psychology (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
12.062	Complex Psychological Processes II	U	½	S2	4	12.001 (Advanced Pass)		
12.152	Research Methods II	U	1	F	3	12.001 (Advanced Pass)	12.052, 12.062	
12.153	Research Methods IIIA	U	½	S1	4	12.052, 12.062 and 12.152		
12.163	Research Methods IIIB	U	½	S2	4	12.052, 12.062 and 12.152 and 12.153		
12.173	Psychological Issues III	U	½	Not offered 1976	4	12.052, 12.062 and 12.152		
12.253	Learning IIIA	U	½	S1	4	12.052, 12.062 and 12.152		
12.263	Learning IIIB	U	½	S2	4	12.052, 12.062 and 12.152 and 12.253		
12.303	Personality IIIA	U	½	S1	4	12.052, 12.062 and 12.152		
12.313	Personality IIIB	U	½	Not offered 1976	4	12.052, 12.062 and 12.152		12.623
12.323	Motivation IIIA	U	½	Not offered 1976	4	12.052, 12.062 and 12.152		
12.373	Psychological Assessment IIIA (Testing)	U	½	Not offered 1976	4	12.052, 12.062 and 12.152		
12.383	Psychological Assessment IIIB (Psychometric Theory)	U	½	Not offered 1976	4	12.052, 12.062 and 12.152		
12.413	Physiological Psychology IIIA	U	½	S1	4	12.052, 12.062 and 12.152		
12.423	Physiological Psychology IIIB	U	½	S2	4	12.052, 12.062 and 12.152 and 12.413		
12.453	Human Information Processing IIIA	U	½	S2	4	12.052, 12.062 and 12.152		
12.463	Human Information Processing IIIB	U	½	Not offered 1976	4	12.052, 12.062, 12.152 and 12.453		
12.473	Perception IIIA	U	½	S1	4	12.052, 12.062 and 12.152		
12.483	Perception IIIB	U	½	S2	4	12.052, 12.062 and 12.152		
12.503	Social Psychology IIIA	U	½	S1	4	12.052, 12.062 and 12.152		

Psychology (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
12.513	Social Psychology IIIB*	A	½	S2	4	12.052, 12.062 <i>and</i> 12.152 <i>and</i> 12.503*		
12.553	Developmental Psychology IIIA	U	½	S1	4	12.052, 12.062 <i>and</i> 12.152		
12.563	Developmental Psychology IIIB	U	½	Not offered 1976	4	12.052, 12.062, 12.152 <i>and</i> 12.553		
12.603	Abnormal Psychology IIIA	U	½	S2	1	12.052, 12.062 <i>and</i> 12.152		
12.613	Abnormal Psychology IIIB*	A	½	S1	2	12.052, 12.062 <i>and</i> 12.152 <i>and</i> 12.603*		
12.623	Guidance and Counselling III*	A	½	S2	4	12.052, 12.062 <i>and</i> 12.152 <i>and</i> *		12.313
12.653	Industrial Psychology III*	A	½	S1	4	12.052, 12.062 <i>and</i> 12.152 <i>and</i> 12.503* (may be co-requisite)		
12.663	Ergonomics III*	A	½	S2	4	12.052, 12.062 <i>and</i> 12.152 <i>and</i> *		
12.703	Psychological Techniques III*	A	½	Not offered 1976	4	12.052, 12.062 <i>and</i> 12.152 <i>and</i> 12.373*		
12.713	Behaviour Control and Modification III	U	½	S2	4	12.052, 12.062 <i>and</i> 12.152		
12.733	Laboratory Instrumentation III*	A	½	S1	4	12.052, 12.062 <i>and</i> 12.152 <i>and</i> *		
12.035	Psychology IV (Honours)	H	2	F	6	12.052, 12.062, 12.152, 12.153, 12.163 <i>and</i> 6 other Upper or Advanced half units all at Credit average or better		

*All Advanced Level units are reserved for approved potential Psychology Honours candidates.

Applicants must have completed 12.001 Psychology I, 12.152, 12.052 and 12.062 at an average level of Credit or higher.

1. Approved potential Honours candidates must include 12.153 and 12.163 in their 3rd Year Program. Admission to Psychology IV additionally requires an average of Credit or higher grade in the 8 Psychology half-units of the 3rd Year Program.

2. Pass Course students who commence a 3rd Year of Psychology may enrol in any even number, up to 8, of Psychology III half-units (ie in a total of 1, 2, 3 or 4 Arts units value). Fractional totals are not permissible.

3. Not all Psychology III half-units will necessarily be offered in each year.

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	H.S.C. Russian Level 2 or better		
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	*		
59.514	†Russian IV	H	2	F		59.523* and 59.543*		

*Satisfactory performance required as determined by School.

†For further details contact Head of School.

Sociology

53.101	Sociology IA	I	1	S1	3			
53.102	Sociology IB	I	1	S2	3	53.101		
53.203	Sociology 2A	U	1	S1	5	53.101 and 53.102		
53.204	Sociology 2B	U	1	S2	5	53.101, 53.102 and 53.203		
53.503	Sociology 2A (Advanced)	A	1	S1	2	53.101* and 53.102*(Cr)		53.203
53.504	Sociology 2B (Advanced)	A	1	S2	2	53.503(Cr)		53.204
53.205	Sociology 3A	U	1	S1	3	53.204		
53.206	Sociology 3B	U	1	S2	3	53.205		
53.505	Sociology 3A (Advanced)	A	1	S1	4	53.203 and 53.204(Cr)	53.205	
53.514	Sociology 3B (Advanced)	A	1	S2	4	53.203 and 53.204 53.505(Cr)	53.206	
53.525	Sociology Honours	H	2	F	6	53.503*, 53.504* plus 53.205*, 53.206*, 53.505*, 53.514*		

*Satisfactory performance required as determined by School.

Spanish and Latin American Studies

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
65.501	S.L.A.S. 1A— Introductory Spanish	I	2	F	6			65.511 <i>and</i> 65.521
65.511	S.L.A.S. 1B	I	2	F	4	HSC Spanish Level 2 or better		65.501 <i>and</i> 65.521
65.521	S.L.A.S. 1C	I	2	F	$\left\{ \begin{array}{l} 5\frac{1}{2} (1) \\ 6\frac{1}{2} (2) \end{array} \right.$	HSC Spanish Level 3 or better		65.511 <i>and</i> 65.501
65.202	S.L.A.S. 2A	U	1	S1	6½	65.501 <i>or</i> 65.521		65.222
65.203	S.L.A.S. 2B	U	1	S2	6½	65.202		65.223
65.222	S.L.A.S. 2A (Advanced)	A	1	S1	7½	65.501 <i>or</i> 65.521		65.202
65.223	S.L.A.S. 2B (Advanced)	A	1	S2	7½	65.222		65.203
65.212	S.L.A.S. 2C	U	1	S1	4	65.511		65.232
65.213	S.L.A.S. 2D	U	1	S2	4	65.212		65.233
65.232	S.L.A.S. 2C (Advanced)	A	1	S1	5	65.511		65.212
65.233	S.L.A.S. 2D (Advanced)	A	1	S2	5	65.232		65.213
65.242	S.L.A.S. 2E Spain and Latin America 1400-1810	U	1	S1	3	Any one of 51.501, 51.511, 51.521, 54.501, 65.501, 65.511, 65.521 <i>or</i> both of 15.601 <i>and</i> 15.611 <i>or</i> both of 15.701 <i>and</i> 15.711 <i>or</i> both of 53.101 <i>and</i> 53.102		
65.243	S.L.A.S. 2F Latin America 1810-1975	U	1	S2	3	Any one of 51.501, 51.511, 51.521, 54.501, 65.501, 65.511, 65.521, 65.242 <i>or</i> both of 15.601, <i>and</i> 15.611 <i>or</i> both of 15.701 <i>and</i> 15.711 <i>or</i> both of 53.101 <i>and</i> 53.102.		
65.204	S.L.A.S. 3A	U	1	S1	7*	Any one of 65.203, 65.223, 65.213, 65.233		65.224
65.205	S.L.A.S. 3B	U	1	S2	7*	65.204		65.225
65.214	S.L.A.S. 3C	U	1	S1	7*	Any one of 65.203, 65.223, 65.213, 65.233		65.234
65.215	S.L.A.S. 3D	U	1	S2	7*	65.214		65.235
65.224	S.L.A.S. 3A (Advanced)	A	1	S1	8†	Satisfactory performance in 65.222 <i>and</i> 65.223 <i>or</i> 65.232 <i>and</i> 65.233		65.204

Spanish and Latin American Studies (continued)

No.	Name	Level	Unit Value	When Offered	Hpw	Prerequisites	Co-requisites	Excluded
65.225	S.L.A.S. 3B (Advanced)	A	1	S2	8†	65.224		65.205
65.234	S.L.A.S. 3C (Advanced)	A	1	S1	8†	Satisfactory performance in 65.222 and 65.223 or 65.232 and 65.233		65.214
65.235	S.L.A.S. 3D (Advanced)	A	1	S2	8†	65.234		65.215
65.506	S.L.A.S. Honours	H	2	F	8	Satisfactory performance in 65.224, 65.225, 65.234 and 65.235 for single Special Honours; satisfactory performance in either 65.224 and 65.225 or 65.234 and 65.235 for combined Special Honours		

*A student enrolled in both 65.204 and 65.214 or in both 65.205 and 65.215 will have a total of 9½ hours per week.

†A student enrolled in both 65.224 and 65.234 or in both 65.225 and 65.235 will have a total of 11½ 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. Drama

56.152 French Political Theatre in the Twentieth Century, may be counted as an Upper Level unit as part of a major sequence in Drama.

3. History

An alternative major sequence in History may be obtained by taking at least two History double units in the degree and two other approved units. Details of approved Level I units may be obtained from the School; Upper Level units may include one or two Upper Level units of Economic History, or 65.242 Spain and Latin America 1400-1818 and/or 65.243 Latin America 1810-1975.

4. 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; Thales to Plato; Scientific Method; Philosophy of Biology; Foundations of Mathematics; Argument; Logical Atomism; Philosophy of Psychology; Spinoza and Leibniz; History of Modern Logic; History of Traditional Logic); 53.206 Sociology IIIB (the option Science, Technology and Society); with permission of the Head of the School, one or two units of an approved science.

5. 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 15.011 Economics IB.

6. Philosophy

62.503 Philosophy of Science may be counted as an Upper Level unit in a major sequence in Philosophy.

7. Psychology

A major in Psychology is obtained by the completion of no less than 6 units value of Psychology units which have included 12.001 Psychology I, 12.152, 12.052, 12.062 and four other Psychology half-units. The normal progression to a single major in Psychology is: 1st year: 12.001 Psychology I (an Advanced pass is required) (= 2 units value), + 2nd year: 12.152, 12.052 and 12.062 (= 2 units value), + 3rd year: four half-units (= 2 units value).

A double major in Psychology involves four half-units additional to the four required for a single major in the third year of Psychology. The double major is available to Pass students as well as to potential Honours IV students (i.e., students who have achieved an average Credit or higher grading at the completion of a second year of study in Psychology).

8. Mathematics

In the second year of their course students should complete the Level II units* 10.111A, 10.111B and 10.211A (or the Higher equivalents 10.121A, 10.121B and 10.221A).

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 10.111C, 10.112A, 10.112B, 10.112D 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 entry in the Faculty of Science Handbook 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.

*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.

Undergraduate Study**340****The Degree of Bachelor of Arts**

The basic unit of instruction in the Faculty of Arts is a session unit of fourteen weeks. In addition, some Schools of the Faculty offer A double units, in which a candidate receives credit for two units or none on the completion of the second unit at the end of Session 2 and B 28-week units, which span both sessions of a calendar year, but which count as only one unit towards the degree.

Units designed by Schools of the Faculty primarily for students in their first and second session of study are termed Level I units. Units designed for students in their third, fourth, fifth and sixth sessions of study are termed Upper Level units. Upper Level units designed primarily for students wishing to proceed to the Special Honours degree are termed Advanced Level units. Units designed for Special Honours degree candidates in their seventh and eighth sessions of study are termed Honours Level units.

Students will enrol for both sessions of the calendar year at the beginning of Session 1 but they may amend their enrolment prior to the beginning of Session 2.

Course Structures**1. Pass Degree**

The regulations governing course structures for the Pass Degree are to be found under Rules 10 to 13 below.

Major sequences available in the Faculty are listed in Schedule B. A major sequence is an approved sequence of at least four Upper Level units, normally taken over the third, fourth, fifth and sixth sessions of study.

Before enrolling in a unit, students should make sure they have satisfied the prerequisites and/or co-requisites specified at the beginning of the description of each unit. A prerequisite unit must have been completed before enrolment; a co-requisite unit must be taken concurrently with the unit chosen, unless it has been completed previously.

2. Special Honours Degree

The regulations governing the Special Honours Degree are to be found under Rules 20 to 23 below. The attention of students wishing to proceed to this degree is drawn particularly to the requirement that they must satisfy the prerequisites laid down by each School for admission to Honours Level. Such students should consult the School or Schools concerned to discuss their program before enrolling in their third session of study.

Prerequisites for admission to Honours Level may consist of:

A Advanced Level units;

B Units or sub-units in other Schools.

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 three 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

A attended such lectures, seminars and tutorials as are prescribed for a unit;

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

C 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. A 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.

B 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:

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

B no more than ten shall be Level I units;

C 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:

A that he has satisfied the other requirements for the degree;

B 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. In this case, a candidate shall complete one Honours Level unit in each School and such other work as the two Heads of School may jointly require.

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.

Undergraduate Study

The Degree of Bachelor of Social Science*

The Faculty of Arts was established in 1960 and offers instruction in 11 home based Schools (Departments) as well as in Schools in other faculties. Subjects in which a BSocSc candidate may major are the following (of which two must be passed at Credit Level or better in the first year as a prerequisite for entry into the rest of the BSocSc degree course): Economic History, Economics, Geography, History and Philosophy of Science, Mathematics, Philosophy, Political Science, Psychology, Sociology, Statistics. Other subjects taught in the Faculty of Arts and which may be studied as part of the BSocSc degree course are: Drama, English, French, German, History, Industrial Relations, Russian, and Spanish and Latin American Studies. The subsidiary subjects are not restricted to the above but the units chosen must include adequate training in statistics.

Entry to the degree is restricted. Although no precise quota has been determined it is anticipated that the first year's intake will be between 15 and 30 students. It is further anticipated that some of the entrants will be graduates, but the degree is not regarded as a graduate qualification. Selection for admission will be based primarily on academic excellence, a requirement being that a candidate must have gained a credit level pass in at least two of his four first year subjects.

Rules Governing the Award of the Degree of Bachelor of Social Science

1. The degree of Bachelor of Social Science may be conferred as a Pass Degree or as an Honours Degree.

There shall be two classes of Honours, namely Class I and Class II in two Divisions.

2. No person shall be permitted to enrol in any unit of the course for the Degree of Bachelor of Social Science at the same time as he is enrolled for any other degree or diploma in the University or elsewhere.

3. Students shall be eligible for admission to the course for the degree on having completed satisfactorily at least one year of a degree course in accordance with 8A below. Admission to the course for the degree shall be granted by the Faculty of Arts on the recommendation of the Social Science Degree Committee.

4. A candidate may not enrol in more than four units in any one session.

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

6. A candidate who has:

A attended such lectures, seminars and tutorials as are prescribed for a unit,

B performed satisfactorily such exercises, laboratory work, essays and theses as may be prescribed in a unit,

C passed such examinations as may be prescribed for a unit,

shall be regarded as having completed that unit.

*At the time of publication, date of commencement of this degree course yet to be announced.

7. A candidate shall complete twenty four session units from those listed in Schedule A. The units chosen must, in the opinion of the Social Science Degree Committee, include adequate training in Statistics.

8. Of the twenty four units which a candidate shall complete

A eight Level I units (or their equivalent) or, in exceptional circumstances, six Level I units (or their equivalent) shall be taken in the candidate's first year of study. These units must include at least two, which must be completed at credit level or better, in each of two of the following subjects: Economic History, Economics, Geography, History and Philosophy of Science, Mathematics, Philosophy, Political Science, Psychology, Sociology, Statistics;

B no more than ten shall be Level I units;

C at least eight shall be Upper Level units comprising two major sequences chosen from those listed in Schedule B in the subjects named in A above;

D no more than two Level I units and six Upper Level units shall be taken in one subject;

E two Upper Level units shall be taken in the subject The Nature of Social Inquiry in the second year of the course for the degree;

F two Upper Level units shall be taken in the subject Research Methods in the third year of the course for the degree;

G four Upper Level units in any two of the subjects named in A above shall normally be taken in the fourth year of the course for the degree.

9. Units offered by other Faculties 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 twenty four units specified in Rule 8. Faculty shall determine the value of such units in terms of fraction of a session unit.

10. In addition to the twenty four units prescribed, a candidate shall complete a research project. This project shall normally be commenced in the third year and shall be completed in the final year of the course.

11. Faculty will consider the award of the degree of Bachelor of Arts as a Pass Degree to a candidate for the degree of Bachelor of Social Science who, over at least six sessions of study, has completed twenty units in accordance with Rule 8A to G above, provided the candidate requests in writing to do so. In such cases, the Social Science Degree Committee will determine the project requirement referred to in Rule 10.

12. Subject to the provisions of Rule 2 and Rule 13, a candidate may be permitted to complete concurrently at another University not more than six units (or their equivalent) and to count such units towards the degree. Permission shall not be granted to count units from another university which are taken by way of external studies or which are available at the University of New South Wales.

13. An applicant seeking advanced standing or a candidate wishing to take units at another University shall first submit in writing to Faculty a statement of the 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 units, if any, for which credit is to be granted or the 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 for the degree.

14. Upon sufficient cause being shown, Faculty may, in a particular case or cases, vary the requirements of any of the preceding clauses for the award of the Degree of Bachelor of Social Science on the recommendation of the Social Science Degree Committee.

Compulsory Courses

Second Year

60.802

The Nature of Social Enquiry

Examines the relationship between theory and methods in the social sciences, emphasizing common areas of concern among various disciplines. Includes:

1. The nature of explanation in the social sciences: contemporary social theories and methodologies; deductive and inductive models.
2. The relevance of natural science methods to the social sciences; empiricism, behaviourism and humanism; modern philosophy and the social sciences.
3. The position of the investigator; the social context of research; relations between the investigator and the subject.
4. Ethical problems in social research; the meaning of objectivity; social scientists and governments; social scientists and commerce; social change; social problems; social science and religion.

Third Year

60.803

Research Methods

Aims to confront students with the problems of social research at a time when they are embarking on their own research projects and to assist them through an early concentration on research design, followed by detailed consideration of methods. Includes:

1. Introduction to social research; The impact of values and expectations on observation and measurement.
2. The design of social research; Reliability and validity; Sampling; The application of statistical methods; sources of data and their dependability.
3. Research techniques; Interviewing; design of questionnaires; observational techniques; participant observation; content analysis; unobtrusive measures; field notebooks; statistical series and aggregates; analysis of decisions; case studies.

60.804

Research Project and Associated Seminars

A research project: approved and commenced in the year preceding entry into the final year of the course; the report must be submitted before the examination period in November of the final year. Participation in associated seminars is also required of each student in the fourth (final) year of the course.

Graduate Study

At the graduate level the degrees of Doctor of Philosophy and Master of Arts are offered.

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 these degrees are set out in the Calendar.

Graduate Enrolment Procedures

Higher Degree Research Programs

New Students

Students seeking admission to Higher Degree (Research) must make application on the appropriate form which should be submitted to the Registrar. *Successful applicants will be advised by letter concerning the method of enrolment.*

Re-enrolling Students

Candidates registered for Higher Degrees (Research) are required to re-enrol at the commencement of each academic year. Unless advised to the contrary candidates should obtain re-enrolment forms and advice on procedure and fees from the Faculty Office after 1 January 1976. Each candidate must complete a re-enrolment form and submit it to the Cashier. (See Enrolment Procedures earlier in this handbook.)

A candidate who has completed all the work for a graduate degree except for the submission of a thesis is required to re-enrol as above *unless* the thesis is submitted by 13 March 1976 in which case the candidate is not required to re-enrol.

Masters Courses

Note: All formal masters and graduate diploma students must lodge an authorised enrolment form with the Cashier on the day the enrolling officer signs the form. (See the Enrolment Procedures earlier in this handbook.)

New Students

Students seeking admission to formal masters courses and graduate diploma courses are required to apply on the appropriate form and by the closing date specified for the particular course (see the relevant Faculty Handbook). Unless advised to the contrary successful applicants are required to attend for enrolment at the appropriate time and place as listed below. The letter offering a place must be taken to the enrolment centre.

Re-enrolling Students**Master of Arts Formal Courses**

Students enrolling in Master of Arts courses should attend the Faculty of Arts Office on:

Friday 27 February
2.00 pm to 5.00 pm
6.00 pm to 7.30 pm

Qualifying Programs**(for admission to Higher Degree Candidature)**

Students may only enrol in such programs after approval has been obtained from the relevant Higher Degree Committee.

Unless advised to the contrary successful applicants are required to attend for enrolment at the appropriate time and place as listed below. The letter offering a place must be taken to the enrolment centre.

Candidates who are continuing a qualifying program are required to attend for re-enrolment at the appropriate time and place as listed below.

Note: All qualifying students must lodge an authorised enrolment form with the Cashier on the day the enrolling officer signs the form. (See Enrolment Procedures earlier in this handbook.)

All Schools in the Faculties of Arts	Friday 27 February 2.00 pm to 5.00 pm 6.00 pm to 8.00 pm Faculty Office
--------------------------------------	--

English

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

Candidates for 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.

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

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 MA 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.

Of these, 50.504G, 50.506G and 50.507G are expected to be offered in 1976.

German

In addition to the Master of Arts (Honours), the School of German also offers a course leading to 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 of approximately 20,000 words on a literary or linguistic topic must be submitted.

Mathematics

The School of Mathematics offers courses leading to 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 over a period of at least four sessions. 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.

Arts

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 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
10.281G	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
10.373G	The Interpretation of Experimental Data	28
10.401G	Seiches and Tides	28
10.481G	Essay	

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 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 two sessions full-time or four sessions part-time, taking two separate courses in each session. Besides being examined on course work, each candidate is required to submit a short thesis embodying the results of his own research.

The following courses are offered, and will normally be taken in the order given. Subject to the approval of the Faculty, a candidate who has covered similar subjects in his undergraduate program may be given one or more alternative courses. Under certain circumstances

Subject Descriptions and Textbooks

Identification of Subjects by Numbers

Each subject provided by a School has an identifying number. The integer is the identifying number of the School and the numbers after the decimal point distinguish the subject from others conducted by that School, some of which may have the same name. For example, Physics I has several variations. The subject number 1.001 denotes Physics I and is the physics subject included in first year Applied Science, Science and Engineering course programs; 1.011 is the corresponding subject at a higher level; 1.081 is the special Physics I subject included in the first year Medicine course; and so on.

As well as providing a clear means of identifying subjects with the same or similar names, the subject number is also used in the recording of enrolment and examination information on machine data processing equipment. It is therefore emphasized that students should cite both the correct subject name, subject number and course code in all correspondence or on forms dealing with courses.

You should become familiar with the identifying numbers of the subjects listed in this handbook:

Identifying Number	School, Faculty or Department
1	School of Physics
2	School of Chemistry

Identifying Number	School, Faculty or Department
10	School of Mathematics
12	School of Psychology
15	School of Economics
25	School of Applied Geology
27	School of Geography
50	School of English
51	School of History
52	School of Philosophy
53	School of Sociology
54	School of Political Science
56	School of French
57	School of Drama
58	School of Education
59	School of Russian
62	School of History and Philosophy of Science
64	School of German
65	School of Spanish and Latin American Studies

See the Calendar for the full list of subjects and their identifying numbers and for summaries of the disciplines taught in each School or Department.

Biology

Undergraduate Study

The first course in Biology comprises units 17.011 and 17.021.

17.011

Biology of Mankind

Prerequisite: HSC Science at Level 2S or higher.

Mankind evolving: primate evolution; background of early man. Evolution of technological man: biological problems associated with communication and tool-making; development

of man as a hunting predator. Development of utilization of natural resources: development of man as a pastoralist and farmer; animal and plant domestication. Evolution of urban man, culture, society: reproductive biology and genetics of man; population growth, fluctuation, control; natural history of disease, background of medical and industrial microbiology. Effects of modern society: biology of social stress; effect of society in contemporary environments, planning and control.

Textbooks

Abercrombie M. et al *A Dictionary of Biology* Penguin
 Boughey A. S. *Man and the Environment* 2nd ed Macmillan
 Cavalli-Storza L. L. *Elements of Human Genetics* Addison-Wesley

17.021

Comparative Functional Biology

Prerequisite: 17.011.

Maintenance of the organism: gas exchange systems in plants and animals; transport inside organisms; uptake, digestions, absorption; enzymes structure and function. Photosynthesis: process and structural relationships; metabolic systems, energy yields and pathways.

Developing organisms: sexual reproduction in plants and animals, general life cycle patterns; cell development and differentiation in flowering plants and mammals.

Control and co-ordination in organisms: organisms and water, uptake and effects; control mechanisms, urinary systems and kidney structure and function. Stimuli and responses: plant hormones, hormones in vertebrate animals, muscle activity and muscle structure, eye structure and vision mechanism; ear structure and hearing mechanism; nerves, central nervous system, nerve action, brain structure and functioning.

Textbooks

Abercrombie M et al *A Dictionary of Biology* Penguin
 Roberts M. B. V. *Biology: A Functional Approach* Nelson

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.

17.012

General Ecology

Prerequisite: 17.001 or 17.021.

Evolution and environmental selection in the Australian continent: geological paleoclimatological, biogeographical and historical background. Organizational structure of biological populations, with special reference to plants, animals and microorganisms. Functional organization of ecosystems: energy budgets, hydrological and biogeochemical cycles. Integrated structure and function of ecosystems: case studies of soil, terrestrial, aquatic and urban ecosystems. Cropping and management of natural resources. Natural history of disease and pest invasion; integrated pest control. Systems analysis and dynamic programming in resource managements and ecological problem-solving.

Textbooks

Alexander M. *Microbial Ecology* Wiley
 Odum E. P. *Fundamentals of Ecology* Saunders
 Watt K. E. F. *Principles of Environmental Science* McGraw-Hill

43.101

Genetics

Prerequisites: 17.001 or 17.011 and 17.021

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.

Textbook

Patt D. I. & Patt G. R. *An Introduction to Modern Genetics* Addison-Wesley

43.111

Flowering Plants

Prerequisites: 17.011 and 17.021.

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

Textbooks

Beadle N. C. W., Evans O. D. & Carolin R. C. *Flora of the Sydney Region* Reed
 Esau K. *The Anatomy of Seed Plants* Wiley

43.121

Plant Physiology

Prerequisites: 17.001 or 17.011 and 17.021; 2.001 or 1.001* or 1.031* or 1.041*.

The physiology of the whole plant: photosynthesis, the role of phytochrome in plant morphogenesis and flowering, inorganic nutrition transport, translocation, physiology of growth and development, seed physiology and plant growth substances and their application in agriculture.

Textbooks

Galston A. W. & Davies P. J. *Control Mechanisms in Plant Development* Prentice-Hall
 Richardson M. *Translocation in Plants* Arnold
 Sutcliffe J. *Plants and Water* Arnold
 Whittingham C. P. *Photosynthesis* OUP

43.142

Environmental Botany

Prerequisites: 17.001 or 17.011 and 17.021; 1.001 or 1.031 or 1.041.

The marine, soil and atmospheric environments in which plants live; the interaction of plants with their environment; the role of environmental sciences in food production. Three full-day Saturday field excursions are part of the practical course.

*This unit may be taken as a co-requisite in some circumstances.

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 multiple 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

Prerequisites: 17.001 or 17.011 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.

Textbooks

Meglitch P. A. *Invertebrate Zoology* 2nd ed OUP
Sherman I. W. & Sherman V. G. *The Invertebrates: Function and Form A Laboratory Guide* Collier-Macmillan

45.301 Vertebrate Zoology

Prerequisites: 17.001 or 17.011 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.

Textbooks

Alexander R. McN. *The Chordates* C.U.P.
Hilderbrand M. *Analysis of Vertebrate Structures* Wiley

Chemistry

Undergraduate Study

2.001 Chemistry I

Prerequisite: HSC Science 2S or better.

Classification of matter and theories of the structure of matter. Atomic structure, the periodic table and chemical behaviour. Chemical bonding, molecular structure and stereochemistry. Chemical kinetics and equilibrium; enthalpy, free energy and entropy changes in chemical systems. The structure, nomenclature and properties of organic and inorganic compounds. Reactions of organic and inorganic compounds.

Textbooks

Aylward G. H. & Findlay T. J. V. *SI Chemical Data* Wiley
Chemistry I—Laboratory Manual Univ of NSW
De Puy C. H. & Rinehart K. L. *Introduction to Organic Chemistry* 2nd ed Wiley
Mahan B. H. *University Chemistry* 3rd ed Addison-Wesley

Chemistry II

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

2.002A Physical Chemistry

Prerequisites: 1.001 or 1.011 and 2.001 and 10.001, 10.011 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.

Textbooks

Barrow G. M. *Physical Chemistry* 3rd ed McGraw-Hill
Shaw D. J. *Introduction to Colloid and Surface Chemistry* 2nd ed Butterworths

Note: Lists of Principal Reference Books will be given to students at lectures.

2.002D Analytical Chemistry

Prerequisites: 2.001 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.

Textbooks

Eckshlager K. *Errors and Measurements in Chemical Analysis* R. A. Chalmers trans ed Van Nostrand
Ewing G. W. *Instrumental Methods of Chemical Analysis* McGraw-Hill
Fischer R. B. & Peters D. G. *Quantitative Chemical Analysis* Saunders

2.002B Organic Chemistry

Prerequisite: 2.001.

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.

Textbooks

Morrison R. T. & Boyd R. N. *Organic Chemistry* 3rd ed Int Stud Ed Allyn & Bacon
Only if proceeding to further study of Organic Chemistry:
Vogel A. I. *Elementary Practical Organic Chemistry* Pt II Qualitative Organic Analysis Longman

2.042C

Inorganic Chemistry

Prerequisite: 2.001.

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.

Textbooks

1. Jolly W. L. *The Chemistry of the Non-Metals* Prentice-Hall
Larsen E. M. *Transitional Elements* Benjamin or
2. Cotton F. A. & Wilkinson G. *Advanced Inorganic Chemistry* 2nd ed Wiley 1966

Computer Science

Undergraduate Study

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

6.601A

Introduction to Computer Science

Programming: algorithm and data structure design; programming to a high level Algol-like language which provides simple, high level program-control and data-structuring facilities. Data structures. Program verification. Computer organization: simple machine architecture, logical design; data storage devices; simple operating system concepts.

Textbook

Jensen K. & Wirth N. *Pascal User Manual and Report* Vol 18 Lec Notes in Comp Sci Springer-Verlag

6.602C

Computer Applications

A selection of topics from: Computer simulation. Modelling of discrete event systems, with applications to queueing; Pseudo random number generation and testing; simulation languages, especially Simula. Optimization techniques: "hill climbing", critical path method, dynamic programming, linear programming. The simplex and revised simplex methods. Job shop scheduling. Data processing; file and data management

systems; use of COBOL; searching and sorting of files, Information retrieval: search on secondary keys, inverted files, Artificial intelligence. Social consequences of computer technology.

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, and the Old Tote Theatre Company with the practice of the theatre arts. The School of Drama is concerned with the history and evaluation of those 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

57.101

World Drama One

Together with 57.102, a survey of world drama complete in itself. The development of the theatre from the Greeks through the nineteenth century; drama as a theatrical form and the art of the stage as an expression of society. Additional lectures are included on stage and theatre design, and on music in the theatre. Tutorials concentrate on the theatrical aspects of the plays studied.

Textbooks

Aristophanes *Lysistrata and Other Plays* Penguin
Chekhov A. *Plays* Penguin
Gassner J. ed *Medieval and Tudor Drama* Bantam
Ibsen H. *Ghosts and Other Plays* Penguin
Marlowe C. *Plays* Penguin
Moliere J. B. P. *The Miser and Other Plays* Penguin
Shakespeare W. *Hamlet* Signet
Sophocles *Theban Plays* Penguin
Strindberg A. *Six Plays* Doubleday Anchor

57.102

World Drama Two

Prerequisite: 57.101.

Theatrical developments in the twentieth century. Contemporary trends in drama and theatre; lectures include segments on Japanese Theatre and television. Tutorials concentrate on the theatrical aspects of the plays studied.

Textbooks

Albee E. *Who's Afraid of Virginia Woolf?* Penguin
Bolt R. *A Man For All Seasons* Heineman
Bond E. *Narrow Road to the Deep North* Eyre Methuen
Brecht B. *Parables for the Theatre* Penguin
Durrenmatt F. *The Physicists* Samuel French
Esslin M. ed *Absurd Drama* Penguin
Ionesco E. *Plays* Penguin
O'Neill E. *Desire Under the Elms* Jonathan Cape.

Romeril J. *The Floating World* Currency Methuen
 Stoppard T. *Rosencrantz and Guildenstern Are Dead* Faber
 Williams T. *Sweet Bird of Youth and Other Plays* Penguin
 Noh Plays of Japan. Texts are supplied.

Upper Level units

57.103 The Uses of Drama

Prerequisite: 57.102.

Drama as a means of communication, as an educational process and as a form of art.

Textbooks

Bowskill D. *Acting and Stage Craft Made Simple* Allen
 Brown W. P. ed *Drama and The Theatre* Routledge
 Hodgson J. *Uses of Drama* Methuen
 Jennings S. *Remedial Drama* Pitman
 Way B. *Development Through Drama* Longman

57.104 The Play and Its Presentation

Prerequisite: 57.103.

Studies of selected plays in terms of performance, involving the historical and contemporary interpretation of texts. Emphasis on acting, design, architecture and direction.

Textbooks

Anouilh J. *Antigone* Methuen *
 Buchner G. *Woyzeck* Schmidt H. J. trans Bard Books
 Chekhov A. *Uncle Vanya* Penguin
 Hewett D. *Chapel Perilous* Currency Press
 Littlewood J. *Oh What a Lovely War* Methuen *
 Racine J. *Andromaque* Cairncross J. trans Penguin Classics
 Taylor T. *The Ticket of Leave Man* In *19th Century Plays* OUP *
 Shakespeare W. *Midsummer Night's Dream* Any convenient ed

or
 Webster J. *The White Devil* Any convenient ed
 Wycherley W. *The Country Wife* Any convenient ed

In addition the following are considered in tutorials:

Brenton H. *Christie in Love* Methuen Playscripts
 Mrozek S. *Out at Sea* Available from the School
 McNally T. *Botticelli and Sweet Eros* In *Off Broadway Plays* Penguin

57.125 Form and Idea in Drama, 1900-1950

Prerequisite: 57.104.

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.

57.156 Classical French Theatre

Prerequisite: 57.104.

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.

Textbooks

Selected from:

Corneille P.: *Le Cid, Horace, Cinna, Polyeucte*.

Editions:

Bentley E. ed *The Classic Theatre Vol 4* Doubleday Anchor
 Lockert L. *The Chief Plays of Corneille* Princeton UP

Racine J.: *Andromaque, Britannicus, Berenice, Phedre, Athalie*.

Editions:

Cairncross J. tr *Phaedra and Other Plays* Penguin Classics
 Cairncross J. tr *Andromaque and Other Plays* Penguin Classics

Moliere J. B.: *Don Juan, Tartuffe, Le Misanthrope, Le Bourgeois Gentilhomme, Les Femmes Savantes, Le Malade Imaginaire*.

Editions:

Frame D. M. tr *The Misanthrope and Other Plays* Signet Classic
 Wood J. tr *Moliere: Five Plays* Penguin Classics
 Wood J. tr *Moliere: The Misanthrope and Other Plays* Penguin Classics

57.155 Film One

Prerequisite: 57.104.

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.

Textbooks

Bazin A. *What is Cinema?* California UP
 Perkins V. F. *Film as Film* Pelican

57.145 Australian Drama

Prerequisite: 57.104.

Australian drama from its beginning to the present day.

Textbooks

Burn D. *The Bushrangers* Heinemann Australian Theatre Workshop
 Buzo A. et al *Plays* Penguin
 Diamond D. *Reedy River* Heinemann Australian Theatre Workshop
 Esson L. *The Time is Not Yet Ripe* Currency Press
 Hanger E. ed *Khaki, Bush and Bigotry* Queensland UP
 Hibberd J. *A Stretch of the Imagination* Currency Press
 Lawler R. *Summer of the Seventeenth Doll* Fontana Books
 Prichard K. S. *Brumby Innes* Currency Press
 Roland B. *The Touch of Silk* Currency Press
 Kippax H. G. *Intro Three Australian Plays* Penguin
 White P. *Four Plays* Sun Books
 Williamson D. *Don's Party* Currency Press
 Williamson D. *Three Plays* Currency Press

*Paperback.

57.155

Radio Drama

Prerequisite: 57.104.

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

Textbooks

New Radio Drama BBC
Beckett S. *All That Fall* Faber
Beckett S. *Krapp's Last Tape and Embers* Faber
Beckett S. *Play and Two Short Pieces for Radio* Faber
Cooper G. *Six Plays for Radio* BBC
MacNeice L. *The Dark Tower* Faber
MacNeice L. *Persons from Porlock and Other Plays for Radio* BBC
Pinter H. *A Slight Ache and Other Plays* Eyre Methuen
Pinter H. *Landscape and Silence* Eyre Methuen
Pinter H. *Tea Party and Other Plays* Eyre Methuen
Thomas D. *Under Milk Wood, a Play for Voices* Aldinet Dent *

57.105

Japanese Theatre and Civilization to 1600

Prerequisite: 57.104.

A survey of ancient and medieval performing arts with emphasis on Noh and Kyogen. Theatre forms, performance techniques and aesthetic theories in relation to theatrical, religious, social and philosophical attitudes; Buddhist and Shintoist influences.

Textbooks

Inoura Y. *A History of Japanese Theatre: I* Kokusai Bunka Shinkokai
Keene D. *Twenty Plays of No Theatre* Columbia UP
Keene D. ed *Anthology of Japanese Literature* Allen & Unwin
McKinnon R. *Selected Plays of Kyogen* Tokyo
Nippon Gakujutsu Shinkakai *The Noh Drama* Vol 1 Tuttle
Sakanishi S. *Japanese Folk Plays: The Ink-Smeared Lady and Other Kyogen* Tuttle

57.126

Form and Idea in Drama from 1950*

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.

57.136

Film Two*

Prerequisite: 57.135.

Contemporary narrative style in film. A number of feature films are examined in depth. Practical exercises.

Textbooks

DeNitto D. & Herman W. *Film and the Critical Eye* Macmillan
Gilmcher S. & Johnson W. *Movie Making* Washington Square Press

*Upper Level units 57.126 and 57.136 are not available to students taking four Upper Level units only.

Kael P., Mankiewicz H. J. & Welles O. *The Citizen Kane Book* Paladin
Wollen P. *Signs and Meaning in the Cinema* Secker & Warburg
Anheim R. *Film as Art* California UP

57.146

Educational Drama

Prerequisite: 57.104.

Drama and theatre in education, with emphasis on theoretical and methodological issues. Practical demonstrations of work with various age groups and working sessions with children may be arranged.

Textbooks

Jennings S. *Remedial Drama* Pitman
Hodgson J. *Uses of Drama* Methuen
Way B. *Development Through Drama* Longman

57.115

Victorian Popular Theatre

Prerequisite: 57.104.

Theatrical forms in England from the rise of Gothic melodrama to society plays of the 1890's. The social environment, the personalities of actor-managers, and the physical and visual conditions of performance.

Textbooks

Selections from the following anthologies:
Ashley L. ed *Nineteenth Century British Drama* Scott Foresman
Rowell G. ed *Nineteenth Century Plays* OUP *

57.506

Drama and Theatre in Germany

Prerequisite: 57.104.

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

Textbooks

Bentley E. ed *The Classic Theatre* Vol 2 Doubleday
Esslin M. ed *The Genius of the German Theatre* Mentor
Kaufmann W. ed *Goethe's Faust* Doubleday Anchor

57.106

Japanese Theatre and Civilization from 1600 to Today

Prerequisite: 57.104.

Japanese theatre forms, performance techniques, and aesthetic theories arising after contact with Western cultures, with particular reference to Kabuki, Bunraku and contemporary theatre.

Textbooks

Abe K. *Friends* Grove
Kawatake T. *A History of Japanese Theatre: II* Kokusai Bunka Shinkokai
Keene D. *Anthology of Japanese Literature* Allen & Unwin
Keene D. *Chushingura* Columbia UP.

*Paperback.

Keene D. *Four Major Plays of Chikamatsu* Columbia UP
 Keene D. *Modern Japanese Literature* Allen & Unwin
 Mishima Y. *Five Modern Noh Plays*
 Mishima Y. *Madame de Sade* Grove
 Richia D. & Watanabe M. *Six Kabuki Plays* Hokuseido Press

Advanced Level units

57.113 Dramatic Criticism One

Prerequisite: 57.102 at Credit Level or better.

Includes 57.103 with additional work at an advanced level, as described below.

The principles and specific problems of literary and dramatic criticism with special emphasis on detailed textual examination of plays in performance.

Textbooks

Lists of specific texts and practical exercises are issued from time to time.

57.114 Dramatic Criticism Two

Prerequisite: 57.113 at Credit Level or better.

Includes 57.104, with additional work at an advanced level, as described below.

The history of dramatic criticism with special attention to the development of Shakespearean criticism and to the development of theatre criticism with particular reference to the nineteenth and twentieth centuries.

Textbooks

Specific texts are indicated from time to time.

57.504 Dramatic Construction

Prerequisite: 57.114 at Credit Level or better. *Co-requisite:* 57.515.

Includes one Upper Level course, chosen in consultation with the School, with additional work at an Advanced Level, as described below.

Textbooks

Beckerman B. *Dynamics of Drama* Columbia UP
 Clark B. ed *European Theories of the Drama* Crown
 Cole T. ed *Playwrights on Playwriting* Hill & Wang
 Grebanier B. *Playwriting* Crowell
 Lawson J. H. *Theory and Technique of Playwriting* Hill & Wang
 Miller J. W. *Modern Playwrights at Work* Samuel French
 Smiley S. *Playwriting: The Structure of Action* Prentice-Hall
 Wager W. ed *The Playwright Speaks* Longman

57.505 Greek Drama and Civilization

Prerequisite: 57.114 at Credit Level or better. *Co-requisite:* 57.515.

Includes one Upper Level course, chosen in consultation with the School, with additional work at an Advanced Level, as described below.

Certain aspects of Greek drama with particular emphasis upon setting the theatre within the framework of the Greek visual imagination.

Textbooks

Selected from:

Aeschylus: *Oresteian Trilogy*, *Prometheus Bound*, *Seven Against Thebes*.
 Sophocles: *Ajax*, *Antigone*, *Philoctetes*, *Trachinian Maidens*.
 Euripides: *Cyclops*, *Alcestis*, *Medea*, *Hippolytus*, *Trojan Women*, *Hecuba*, *Helen*, *Children of Heracles*, *Mad Heracles*, *Orestes*, *Bacchae*.

The recommended texts are the paperback edition by D. Greene and R. Lattimore, published by Chicago UP.

57.515 Comedy

Prerequisite: 57.114 at Credit Level or better. *Co-requisites:* 57.504 and 57.505.

Includes two Upper Level units, one in each session, chosen in consultation with the School, with additional work at Advanced Level, as described below.

Textbooks

Bergson H. & Meredith G. *Comedy* Doubleday Anchor
 Cornford F. M. *The Origin of Attic Comedy* Doubleday Anchor
 Guthke K. S. *Modern Tragicomedy* Random House
 Lauter P. ed *Theories of Comedy* Doubleday Anchor
 Potts L. J. *Comedy* Hutchinson
 Stryan J. L. *The Dark Comedy* C.U.P.
 Welsford E. *The Fool* Doubleday Anchor

Honours Level unit

57.526 Drama Honours

Prerequisites: 57.504, 57.505 and 57.515 at Credit Level or better.

Studies in drama and theatre at an Advanced Level 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

Agcs. 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.

Preliminary Reading

Lopez R. S. *The Commercial Revolution of the Middle Ages* Prentice-Hall *

Miskimin H. *The Economy of Early Renaissance Europe* Prentice-Hall *

Textbooks

Cipolla C. ed *The Fontana Economic History of Europe* Vols I & II *

Davis R. *The Rise of the Atlantic Economies* Weidenfeld & Nicolson *

Hill C. *Reformation to Industrial Revolution* Penguin *

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.

Preliminary Reading

Hohenberg P. *A Primer on the Economic History of Europe* Random House *

Textbooks

Cipolla C. ed *The Fontana Economic History of Europe* Vols III & IV *

Kemp T. *Industrialization in Nineteenth Century Europe* Longman *

Landes D. S. *The Unbound Prometheus* C.U.P. *

Milward A. & Saul S. A. *An Economic History of Continental Europe* Vol 1 Allen & Unwin *

15.601

Economic History IA—The Making of Modern Economic Society

A survey of the forces that have determined the pattern and course of economic development in the later nineteenth and twentieth centuries. Stages of economic development; the transformation of agrarian society; the triumph of industrialism and liberal democracy. Pax Britannica and the European hegemony. The First World War and capitalist society in crisis; competing forms of political and economic organization; shifts in world power. The quest for unity in Europe. Problems of affluence in advanced industrial economies. The development of the administrative state and the multi-national corporation. The progress of the underdeveloped nations.

Preliminary Reading

Hohenberg P. M. *A Primer on the Economic History of Europe* Part I Random House *

Textbooks

Hughes J. *Industrialization and Economic History* McGraw-Hill *

Kenwood A. G. & Lougheed A. L. *The Growth of the International Economy: 1620-1960* Australasian Pub Co *

15.611

Economic History IB—Australian Economic Development in the Twentieth Century

Prerequisite: 15.601.

The origins and evolution of the modern Australian economy from Federation 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.

Preliminary Reading

Alexander F. *Australia since Federation* Nelson. *

Textbooks

Boehm E. A. *Twentieth Century Economic Development in Australia* Longman *

Forster C. ed *Australian Economic Development in the Twentieth Century* Allen & Unwin *

Wheelwright E. L. & Buckley Ken eds *Essays in the Political Economy of Australian Capitalism* Vol I Australia & New Zealand Book Company *

Schedvin C. B. *Australia and the Great Depression* Sydney UP *

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 covered 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.

Preliminary Reading

Dogler C. *Out of Our Past* Harper & Row *

*Paperback.

Textbooks

- Brownlee W. Elliott *Dynamics of Ascent: A History of the American Economy* Knopf *
- Genovese E. *The Political Economy of Slavery* Random House *
- Robertson R. M. *History of the American Economy* Harcourt Brace & World *
- Taylor G. R. *The Transportation Revolution 1815-1860* Harper & Row *

15.622

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".

Preliminary Reading

Hays S. B. *The Response to Industrialism 1885-1914* Chicago UP *

Textbooks

- Brownlee W. Elliott *Dynamics of Ascent: A History of the American Economy* Knopf
- Cochran T. C. *The American Business System 1900-1955* Harper & Row *
- Jones M. *American Immigration* Chicago UP *
- Robertson R. M. *History of the American Economy* Harcourt Brace & World *

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.

Preliminary Reading

Robinson J. *Freedom and Necessity* Allen & Unwin/University *

Textbooks

- Robinson J. & Eatwell J. *An Introduction to Modern Economics* McGraw-Hill *
- Gould J. D. *Economic Growth in History* Methuen *
- Floud R. *Introduction to Quantitative Methods for Historians* Methuen *

15.603

Australian Economic Development in the Nineteenth Century

Prerequisite: 15.011 or 15.692.

The basic features of the growth of the colonial economies up to Federation. Areas of special attention include: the foundation and expansion of the wool industry; the growth of a capital and labour market; the impact of Imperial policy; the effects of the Gold Rushes; the long boom, 1860-1890; the causes and effects of major economic fluctuations; and the economic aspects of Federation. The relationship of these developments to changes in the international economy in the nineteenth century and some of the longer-run consequences of growth in this period.

Preliminary Reading

- Blainey G. *The Tyranny of Distance* Sun Books *
- Clark C. M. H. *A Short History of Australia* Mentor *

Textbooks

- Abbott G. J. & Nairn N. B. *Economic Growth of Australia 1788-1821* M.U.P. *
- Butlin N. G. *Investment in Australian Economic Development 1860-1900* Department of Economic History Reprint ANU *
- Fitzpatrick B. *The British Empire in Australia 1834-1939* Macmillan *
- Roberts S. H. *A History of Australian Land Settlement* Macmillan *

15.623

The Transformation of the Japanese Economy since 1868

Prerequisite: 15.011 or 15.692 and 15.601 or 15.711.

The Japanese economy in the Tokugawa period. The reopening, the Meiji restoration and reconstruction. Agriculture and industrial development 1880-1914. The impact of the First World War and its aftermath. The Great Depression, militarism and colonialization. The Second World War and co-prosperity. The post-war 'miracle' and Japan's present position in the world.

Preliminary Reading

Story R. *A History of Modern Japan* Penguin *

Textbooks

- Allen G. C. *A Short Economic History of Japan* 3rd ed Allen & Unwin *
- Bieda K. *Structure and Operation of the Japanese Economy* Wiley *
- Lockwood W. W. *The State and Economic Enterprise in Japan* Princeton UP *

15.643

Economic History of British Imperialism

Prerequisite: 15.601 or 15.711.

Imperialism in the late 19th century; theories of imperialism and the British case; the search for markets, spheres of influence and the 'Scramble for Africa'; the South African War; the British colonial system—trusteeship, paternalism and economic development: did colonies pay? social aspects and acculturation; the colonial economies 1945 to 1960; the struggle for independence.

*Paperback.

Preliminary Reading

Gross C. *The Fall of the British Empire* Paladin *
 Oliver R. & Fage J. D. *A Short History of Africa* Penguin African Library *
 Shaw A. G. L. ed *Great Britain and the Colonies 1815 to 1885* Methuen/University Paperbacks *

Textbooks

No set texts. A reading list is provided.

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.

Preliminary Reading

Hobsbawm E. J. *Industry and Empire* Penguin *
 Briggs A. *The Age of Improvement* Longman

Textbooks

Deane P. *The First Industrial Revolution* C.U.P.*
 Flinn M. W. *Origins of the Industrial Revolution* Longman *
 Hartwell R. M. *The Industrial Revolution and Economic Growth* Methuen *
 Thompson E. P. *The Making of the English Working Class* Penguin *

15.655

The Commercial and Financial Revolutions in Europe in the 17th and 18th Centuries

Prerequisite: 15.601 or 15.701.

The main commercial and financial developments in Europe in the 17th and 18th centuries. The decline of Spain and Portugal is contrasted with the rise of the northern maritime powers Holland, France and England. The expansion of European commerce: the near and Far East, and the Atlantic economy; trade and war; shipping, ship building and the growth of the joint-stock company. Changes in commercial thought and policy; economic rivalry and the colonial systems of England, France and Holland. Developments in banking, currency, public finance and commercial services. The significance of the commercial and financial revolutions for the Industrial Revolution.

Preliminary Reading

Hill C. *Reformation to Industrial Revolution* Pelican *
 Wilson C. *England's Apprenticeship, 1603-1763* Longmans

Textbooks

Davis R. *The Rise of the Atlantic Economies* Weidenfeld & Nicolson *
 Minchinton W. E. ed *The Growth of English Overseas Trade in the 17th and 18th Centuries* Methuen *
 Dickson P. G. M. *The Financial Revolution in England, 1688-1750* Macmillan
 D. C. Coleman ed *Revisions in Mercantilism* Methuen *

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.

Preliminary Reading

Cohn Bernard *India: The Social Anthropology of a Civilization* Prentice-Hall *
 Spear T. G. P. *A History of India* Vol II Pelican *

Textbook

Gadgil D. R. *The Industrial Evolution of India in Recent Times* 5th ed OUP *

15.665

Economic and Social History of Modern Germany

Prerequisites: 15.711 or 15.601 or 64.501 or 64.521.

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.

Textbooks

No set texts. A reading list is provided.

15.673

The Modernization of the Chinese Economy

Characteristics of Chinese economic history from the eighteenth century to the present day; society, agrarian structure, administrative organization, the science and technology of Imperial China. The slow modernization of the economy, foreign domination, and the Chinese reaction to colonialism. The impact of the 1911 Revolution. Japanese colonialism and the uneven development of the Chinese economy between the First and Second World Wars. Assessment of Chinese economic performance since 1949.

Textbooks

Elvin M. *The Pattern of the Chinese Past* Methuen
 Feuerwerker A. *The Chinese Economy 1870-1911* Michigan UP
 Feuerwerker A. *The Chinese Economy 1912-1949* Michigan UP
 Perkins D. H. *Agricultural Development in China 1368-1968* Edinburgh UP

*Paperback.

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 organisation and in the industrial sector will be considered in detail. Attention will also be given to the role of ideology in Chinese economic life, and the significance of China in the world economy.

Textbooks

Chen N. R. & Galenson W. *The Chinese Economy under Communism* Chicago UP
 Donnithorne A. *China's Economic System* London UP
 Eckstein A., Liu T. C. & Galenson W. eds *Economic Trends in Communist China* Edinburgh UP
 Wheelwright E. L. & McFarlane B. *The Chinese Road to Socialism* Penguin *

15.683**The Economic History of Russia since 1861**

Prerequisite: 15.011 or 15.692.

The "backwardness" of Russia in the 1850s. Emancipation and the start of modernization under autocratic rule; railway development and "the great spurt". War, Revolution, and the Stolypin Reforms. The impact of the First World War. The Revolution of 1917 and its economic consequences; war communism; Lenin's New Economic Policy; the industrialization debates of the 1920s; Stalin's collectivization and forced industrialization. The invasion of Russia and post-war recovery. Soviet domination of Eastern Europe, Comecon, and changes in international economic policy.

Preliminary Reading

Kochan L. *The Making of Modern Russia* Penguin *

Textbooks

Falkus M. E. *The Industrialization of Russia 1700-1914* Papermac *
 Gerschenkron A. *Economic Backwardness in Historical Perspective* Harvard UP Penguin *
 Nove A. *An Economic History of the USSR* Penguin *

15.685**Introduction to Econometric History**

Prerequisites: 15.692 and 15.695 or 15.421.

The relationship between historical fact, economic theory, and statistical analysis. The construction of explicit mathematical models which approximate historical events, and the application of econometric techniques and computer programming to economic history.

Textbooks

No set texts. A reading list is provided.

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.

Textbooks

Roderick F. *An Introduction to Quantitative Methods for Historians* Methuen *
 Rowney D. K. & Graham J. Q. eds *Quantitative History Selected Readings* Dorsey *

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.

Textbooks

Coats A. W. ed *The Classical Economists and Economic Policy* Methuen *
 Cipolla C. ed *The Fontana Economic History of Europe Vol III The Industrial Revolution* Collins/Fontana *
 Malthus T. R. *An Essay on the Principle of Population* Pelican *
 Mill J. S. *Principles of Political Economy* Pelican *
 Ricardo D. *Principles of Political Economy and Taxation* Pelican *
 Rima I. ed *Readings in the History of Economic Theory* Holt Rinehart *
 Smith A. *The Wealth of Nations* Pelican *

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, Wickseil, Pigou and Keynes on the future development of the discipline.

Textbooks

Freedman R. ed *Marx on Economics* Pelican *
 Jevons W. S. *The Theory of Political Economy* Pelican *
 Lekachman R. *The Age of Keynes* Pelican *
 Napoleoni C. *Economic Thought of the Twentieth Century* Martin Robertson *
 Rima I. ed *Readings in the History of Economic Theory* Holt Rinehart *
 Schumpeter J. *Ten Great Economists* Allen & Unwin/University *

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.

*Paperback.

Arts

Preliminary Reading

Bernal J. D. *Science in History* Penguin *

Textbooks

No set texts. A reading list is provided.

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. Also

Davis Lance E., Easterlin Richard A. & Parker William N. et al *American Economic Growth: An Economist's History* Harper & Row

15.672

Economic Change in the United States since the Civil War

Prerequisite: 15.632.

As for 15.662. Also

Davis Lance E., Easterlin Richard A. & Parker William N. et al *American Economic Growth: An Economist's History* Harper & Row

15.613

Australian Economic Development in the Nineteenth Century

Prerequisite: 15.011 or 15.692.

As for 15.603, with additional work.

15.633

The Transformation of the Japanese Economy since 1868

Prerequisites: 15.011 or 15.692 and 15.601 or 15.711.

As for 15.623, with additional work.

15.743

The Economic History of Urbanization

The nature of cities: urban growth in Britain, North America and Australia; demographic characteristics; economic profiles and relationships; municipal enterprise; residential patterns; social structures and institutions; urban elites and political control. Case studies of government, business and environmental change in mercantile towns, factory towns, streetcar suburbs and metropolitan regions.

Preliminary Reading

Dyos H. J. ed *The Study of Urban History* Arnold

Frank A. G. *Capitalism and Underdevelopment in Latin America* Penguin

Thernstrom S. & Sennett R. eds *Nineteenth Century Cities: Essays in the New Urban History* Yale UP *

Textbooks

No set text. A reading list is provided.

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.

Textbooks

No set texts. A reading list is provided.

Honours Level units

In order to enrol in an Honours Level unit, a candidate must have completed 1. at least two Advanced Level units in economic history, and 2. either 15.011 or 15.692.

A student who has passed 15.011 may only enrol in 15.692 with permission from the Head of the Department of Economic History.

15.704 and 15.714

Economic History Honours (Arts) (double unit)

1. Special Subject—British Economy and Society 1870-1940

A reading list is provided.

†2. Approaches to Economics and Social History

A reading list is provided.

3. Seminar in Research Methods

A reading list is provided.

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.

*Paperback.

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.

Textbooks

Tisdell C. A. *Economics of Markets: An Introduction to Economic Analysis* Wiley

Tisdell C. A. *Workbook to Accompany Economics of Markets* Wiley

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.

Textbooks

Australian National Accounts: National Income and Expenditure 1973-1974 Australian Bureau of Statistics

Rowan D. C. *Output, Inflation and Growth* Australian ed Macmillan

15.411 Quantitative Methods A

Prerequisite: HSC 2s 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 will be emphasized.

Textbook

Haeussler J. E. F. & Paul R. S. *Introductory Mathematical Analysis: For Students of Business and Economics* Prentice-Hall

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.

Textbook

Hamburg M. *Basic Statistics: A Modern Approach* Harcourt Brace Javanovich

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.

Textbooks

Neville J. W. *Fiscal Policy in Australia* 2nd ed Cheshire

Neville J. W. & Stammer D. W. ed *Inflation and Unemployment* Pelican

Rowan D. C. *Output, Inflation and Growth* Australian Macmillan

15.072 Economics IIE

Prerequisite: 15.011.

The application of microeconomics to pricing and investment decisions of firms. The nature and effects of oligopolistic competition. Aspects of international trade and investment. Nature of benefit-cost analysis and its application to public investment decisions.

Textbooks

Bohm P. *Social Efficiency: A Concise Introduction to Welfare Economics* Macmillan

Findlay R. *Trade and Specialization* Penguin

McColi G. D. ed *Overseas Trade and Investment* Pelican

Thompson A. A. *Economics of the Firm: Theory and Practice* Prentice-Hall

Needham D. *Economic Analysis and Industrial Structure* Holt Rinehart & Winston

Snape R. H. *International Trade and the Australian Economy* 2nd ed Longman

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

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.

Textbooks

Bernard P. J. *Planning in the Soviet Union* Pergamon
Campbell R. W. *Soviet-type Economies* Macmillan
Dirlam J. B. & Plummer J. L. *An Introduction to the Yugoslav Economy* Merrill

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 underdevelopment, 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.

Textbooks

Bernstein H. *Underdevelopment and Development* Penguin
Spiegelglas S. & Welsh C. J. eds *Economic Developments* Prentice-Hall
Sutcliffe R. B. *Industry and Development* Addison-Wesley

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; 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.

Textbooks

Horn R. V. *Australian Labour Market Economics* Cheshire
Niland J. R. & Isaac J. E. *Australian Labour Economics Readings* Sun Books
Rees A. *The Economics of Work and Pay* Harper & Row

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 liberal-democratic, Marxist and neo-Marxist analyses. Reference will be made to features of Australian capitalism and their origins and explanations.

Textbooks

Baran P. A. & Sweezy P. *Monopoly Capital* Penguin
Desai M. *Marxian Economics* Gray-Mills
Galbraith J. K. *The New Industrial State* 2nd ed Penguin
Hunt E. K. & Schwartz J. G. eds *A Critique of Economic Theory* Penguin

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.

Textbooks

Edel M. & Rothenburg J. eds *Readings in Urban Economics* Macmillan
Richardson H. W. *Elements of Regional Economics* Penguin
Richardson H. W. *Urban Economics* Penguin
Stiilwell F. J. B. *Australian Urban and Regional Development* Australia & New Zealand Book Co.

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.

Textbooks

Ohkawa K. & Rosovsky H. *Japanese Economic Growth* Stanford UP
Komiya R. ed *Postwar Economic Growth In Japan* Calif. UP
Lockwood W. W. ed *The State and Economic Enterprise in Japan* Princeton UP
Tsuru Shigeto *Essays on Japanese Economy* Kinokuniya Bookstore
Allen G. C. *Japan's Economic Recovery* OUP

15.273

Economics IIIE

Prerequisite: 15.072 plus HSC 2s mathematics or equivalent mathematical knowledge.

Consists of a core unit, 15.103 International Economics, and one of Public Finance, Industrial Organization and Control or 15.213 Japanese International Economic Relations.

15.103

International Economics

International trade and investment, tariffs and other restrictions on trade, the balance of payments internal and external balance, and the international monetary system. Particular attention is given to Australia's position in the international economy.

Textbooks

Caves R. E. & Jones R. W. *World Trade and Payments: An Introduction* Little, Brown

Cooper R. ed *International Finance* Penguin

McColl G. D. ed *Overseas Trade and Investment* Pelican

15.083

Public Finance

The theory of the public household and applications to the Australian situation, including the role of government in the economy; principles and types of public expenditure; economic and welfare effects of different types of taxes and social service systems, actual taxation systems and reform proposals; loan finance and public debt; federal and centralized fiscal systems and local government finance; budget effects and the role of fiscal policy.

Textbooks

Commonwealth of Australia Taxation Review Committee (Asprey Report)

Dixon J. ed *The Public Sector* Pelican

Eckstein O. *Public Finance* 3rd ed Prentice-Hall

Musgrave R. & Musgrave P. *Public Finance in Theory and Practice* McGraw-Hill

15.163

Industrial Organization and Control

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; legal origins of public policy towards industrial structure, monopolization and restrictive trade practices; types of legislative control; a comparative study of public policy in the UK, US, EEC, and Australia.

Textbooks

No set texts. A reference list is provided.

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.

Textbooks

No set texts. A reference list is provided.

15.412

Quantitative Economic Techniques A

Prerequisite: 15.421 or 10.001.

Correlation analysis; simple and multiple regression analysis with applications in economics. Breakdown of the classical assumptions. Index numbers. Introduction to simultaneous equation models.

Textbooks

No set texts. A reading list is provided.

15.422

Quantitative Economic Techniques B

Prerequisite: 15.411 or 10.001.

Theory and applications of linear difference and differential equations, input-output analysis and linear programming.

Textbook

Chiang A. C. *Fundamental Methods of Mathematical Economics* 2nd ed McGraw-Hill

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 general equilibrium.

Textbook

Ferguson C. E. *Micro-Economic Theory* 3rd ed Irwin

15.032

Economics IIB

Prerequisite: Credit in 15.012 or consent of the Head of Department.

Welfare economics and its application to some contemporary problems of public policy.

Textbooks

Ferguson C. E. *Micro-Economic Theory* 3rd ed Irwin

Layard R. ed *Cost-Benefit Analysis* Penguin

Mishan E. J. *Cost-Benefit Analysis* Allen & Unwin

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.

Textbooks

Branson W. H. *Macroeconomic Theory and Policy* Harper International ed
Nevile J. W. *Fiscal Policy in Australia* 2nd ed Cheshire
Rowan D. C. *Output, Inflation and Growth* Aust ed Macmillan
Wrightsmann D. *An Introduction to Monetary Theory and Policy* Free Press

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.

Textbooks

Branson W. H. *Macroeconomic Theory and Policy* Int ed Harper
Nevile J. W. *Fiscal Policy in Australia* 2nd ed Cheshire
Peacock A. & Shaw G. K. *The Economic Theory of Fiscal Policy* Allen & Unwin
Gibson W. & Kaufman G. *Monetary Economics: Readings in Current Issues* McGraw-Hill

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.

Textbooks

Bhagwati J. ed *International Trade* Penguin
Caves R. & Jones R. W. *World Trade and Payments: An Introduction* Little Brown
McColl G. D. ed *Overseas Trade and Investment* Pelican
Scammell W. M. *International Trade and Payments* Macmillan

15.173

Research Methods and Methodology

Prerequisite: 15.013. For students planning to take Economics Honours.

Nature of scientific method. Scope of economics and its relation to 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.

Textbook

No set texts.

Honours Level units

15.024

Economic Honours (Arts)

15.034

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 a survey of economic theory and a thesis.

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. The prerequisite is a Pass at Level II or Level I in the Higher School Certificate Examinations, 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 IIA 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 the right is reserved to examine on these. The literature textbooks also should be read before lectures begin.

Level I units

English I

Students take *either* English IA, 50.511, or English IB, 50.521. The B course is strongly recommended to students whose reading at school has been mainly confined to modern literature.

50.511 English IA

The course consists of

- (i) an introduction to twentieth-century literature; 2 lectures a week;
- (ii) language and earlier literature; 1 lecture a week.

Textbooks

(i) *Twentieth-Century Literature*

(a) *Drama*

- Shaw. *Major Barbara*.
 Synge. Plays to be selected from *Plays, Poems and Prose* (Everyman).
 O'Neill. *The Emperor Jones*.
 Eliot. *The Family Reunion*.
 Stewart. *Ned Kelly* (in *Three Australian Plays*, ed. H. G. Kippax. Penguin).
 Williams. *A Street Car Named Desire*.
 Beckett. *All That Fall*.
 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. *The Sound and the Fury*.
 Styron. *The Confessions of Nat Turner*.
 Stow. *The Merry-go-round in the Sea*.
 Fowles. *The French Lieutenant's Woman*.
 (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.
 Auden. *Selected Poems*. Faber.
 Craig, A. ed. *Twelve Australian Poets 1950-70*. Jacaranda.
 (ii) *Language and Earlier Literature*
 Chaucer. *A Chaucer Reader* ed. C. W. Dunn. Harcourt Brace.

50.521 English IB

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 a week;
- (ii) language and earlier literature; 1 lecture a week.

Textbooks

(i) *Literature*

(a) *Drama*

- Everyman*, ed. A. C. Cawley. Manchester U.P.
 Shakespeare. *Othello*.
 Jonson. *The Alchemist*.
 Sheridan. *The School for Scandal*.
 Shaw. *The Doctor's Dilemma*.
 O'Neill. *Long Day's Journey into Night*.
 Stoppard. *Jumpers*.
 White. *The Season at Sarsaparilla*.
 (each of these in any unabbreviated edition).

(b) *The Novel*

- DeLoe. *Roxana*.
 Charlotte Bronte. *Jane Eyre*.
 Thackeray. *Barry Lyndon*.

- Butler. *The Way of All Flesh*.
 Conrad. *Heart of Darkness*.
 Hemingway. *Fiesta (The Sun also Rises)*.
 Virginia Woolf. *To the Lighthouse*.
 (each of these in any unabbreviated edition).

(c) *Poetry*

- Hayward, J. ed. *The Penguin Book of English Verse*.
 (ii) *Language*
 Chaucer. *A Chaucer Reader* ed C. W. Dunn. Harcourt Brace.

Upper Level units

50.512 English IIA

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—Recommended Reading

- Jane Austen. *Mansfield Park; Persuasion*.
 Dickens. *Oliver Twist; Great Expectations*.
 Emily Bronte. *Wuthering Heights*.
 Hawthorne. *The Scarlet Letter*.
 Melville. *Moby Dick; Billy Budd* and selected short stories.
 George Eliot. *Middlemarch*.
 James. *The Portrait of a Lady; The Ambassadors*.

Poetry

- Blake, Wordsworth, Coleridge, Byron, Keats, Emily Bronte, Whitman, Tennyson, Browning, Arnold.

No textbooks will be prescribed. Students are advised to buy the edition in the Oxford Standard Authors, where available, or for Wordsworth, *Selected Poetry*, ed. Mark Van Doren (Modern Library College Edition); for Coleridge, *Poems* (Everyman); for Whitman, *Leaves of Grass and Selected Prose*, ed. Bradley (Rinehart); for Tennyson, *Selected Poetry*, ed. Bush (Modern Library C.E.); for Browning, *Selected Poetry* (Modern Library C.E.) and *The Ring and the Book* (Penguin).

Drama

Wilde, and selected plays by the major poets.

Shakespeare

Richard III; King John; Henry IV (both parts); *Henry V* (these in any good complete edition, e.g. Alexander [Collins] or Sisson [Odams], or in the separate volumes of, preferably, the New Arden [Methuen] or the New Penguin editions, or in the New Shakespeare [C.U.P.] or the Signet Classics).

50.522 English IIB

Prerequisite: 50.511 English IA or 50.521 English IB.

The course consists of:

- (i) a study of Language theory, and its relation to literary criticism;
- (ii) a study of Middle English literature based principally on Chaucer, the miracle plays, and selected romances.

Arts

Textbooks

- (i) Turner, G. W. *Stylistics*. Pelican.
Watson, G. *The Literary Critics*. Pelican.
(ii) Cawley, A. C. ed. *Everyman and Medieval Miracle Plays*. Everyman.
Thomas, R. G. ed. *Ten Miracle Plays*. Arnold.
Mills, M. ed. *Six Middle English Romances*. Everyman.
Davies, R. T. ed. *Medieval English Lyrics*. Faber.
Chaucer, *The Works of Geoffrey Chaucer*, ed. F. N. Robinson 2nd ed. Houghton Mifflin.

50.513

English IIIA

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 will be studied:

Milton, Dryden; Pope; Gay; Swift; Defoe, Richardson, Fielding, Smollett, Sterne, Goldsmith; Johnson and Boswell; together with selected plays by Congreve, Vanbrugh, Farquhar, Goldsmith and Sheridan.

Reference Books

Sutherland, J. *A Preface to Eighteenth-Century Poetry*. O.U.P.
Watt, I. *The Rise of the Novel*. Pelican.

No textbooks will be prescribed. Students are advised to purchase standard editions such as the Oxford Standard Authors, where available, or for Pope, *The Poems*, ed. Butt ("Twickenham" one-volume edition, Methuen); for Swift, *Gulliver's Travels and Other Writings*, ed. Quintana (Modern Library College Edition); for the drama, *Restoration Plays*, ed. Gosse (Everyman).

For Shakespeare (*Romeo and Juliet*; *Hamlet*; *King Lear*; *Timon of Athens*; *Antony and Cleopatra*; *Coriolanus*) students may use any good complete edition (e.g. those of Alexander [Collins] or Sisson [Odhams] or the separate volumes of the New Arden [Methuen], the New Penguin, or the New Shakespeare [C.U.P.]).

Advanced Level unit

50.532

English IIC

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.

Textbooks

- (i) As for 50.512 English IIA.
(ii) Sweet, H. *Anglo-Saxon Primer*. O.U.P.
Dunn, C. W. & Byrnes, E. T. eds. *Middle English Literature*. Harcourt Brace.

Chaucer, *The Works of Geoffrey Chaucer*, ed. F. N. Robinson, 2nd ed. Houghton Mifflin.

- (iii) The work on American literature will be based on the following:

Faulkner (*Absalom, Absalom*); Warren (*All the King's Men*); Carson McCullers (*The Ballad of the Sad Café*); Ellison (*Invisible Man*); Bellow (*Herzog*); Mailer (*The Armies of the Night*); Malamud (*The Assistant*); Pound, Wallace Stevens, Roethke; Miller, Albee.

50.523

English IIIB

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 Raleigh; and prose, with special reference to Gascoigne, Sidney, Lyly, Lodge, Nashe and Deleony.
(ii) Old and Middle English literature.

Textbooks

Chaucer, *The Works of Geoffrey Chaucer*, ed. F. N. Robinson, 2nd ed. Houghton Mifflin.

Whitelock, D. ed. *Sweet's Anglo-Saxon Reader*. 15th ed. O.U.P.
Dunn, C. W. & Byrnes, E. T. eds. *Middle English Literature*. Harcourt Brace.

Students take either 50.514 (IVA) or 50.524 (IVB).

Honours Level units

50.514

English IVA

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

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) an introduction to Linguistics.

Textbooks

(i) (a) Old English
Klaeber, F. ed. *Beowulf and the Fight at Finnsburg*. 3rd ed. Heath & Co.
Leslie, R. F. ed. *Three Old English Elegies*. Manchester U.P.
Wuik, R. & Wrenn, C. L. *An Old English Grammar*. 2nd ed. Methuen's Old English Library.

(b) Middle English
Chaucer. *The Works of Geoffrey Chaucer*, ed. F. N. Robinson, 2nd ed. Houghton Mifflin.
Dunn, C. W. & Byrnes, E. T. eds. *Middle English Literature*. Harcourt Brace.
Langland, *Piers Plowman*. Prologue and Passus I-VIII. Text B. ed. J. F. Davis, rev. E. S. Olszewska. Univ. Tutorial Press.
Gibbs, A. C. ed. *Middle English Romances*. York Medieval Texts. Arnold.
Kinghorn, A. M. ed. *The Middle Scots Poets*. York Medieval Texts. Arnold.

(ii) Linguistics

To be prescribed.

Graduate Study

50.501G Linguistic History and Theory*

For graduates who have satisfactorily completed some coursework, 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, accentuation 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 American 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 will be 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 Abélard*; Conrad, *Nostromo*, *Under Western Eyes*.

50.506G English Literature of the Earlier Seventeenth 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.

*Probably not available in 1976.

French

Undergraduate Study

Courses 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 courses, 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, intellectual and 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 from second year onwards for students 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 three courses designed mainly for students from other Schools: 56.521, 56.152 and 56.162. The Level I units 56.501 and 56.511 are also open to students from any School in the Faculty, as well as from other faculties, in addition to 56.521.

Subject Details

The following is the key to the information about each subject published beside the title: F (Full year, ie both sessions); UVal (Unit Value); Hpw (Hours per week); S1 (Session 1); S2 (Session 2); T (Terminating subject).

Level I units

56.501 French IA—Introductory French

**F UVal2
6Hpw**

Not available to students qualified to enter 56.511 or 56.521.

For students from the Faculty of Arts or other faculties who have little or no knowledge of French. The most recent audio-visual methods are used to give students a sound basis in spoken and written French. Contemporary French civilization, and a graded reading program will lead up to the study of "L'Etranger". All teaching is in tutorial groups. Although it may be taken in isolation, 56.501 is designed to lead to Upper and Advanced Level units (56.502; 56.522), and students may proceed to a third or fourth year of study if they so choose. Students are required to attend the series of introductory classes which will be held in orientation week to acquaint them with audio-visual methods.

Textbooks

Camus A. *L'Etranger* Folio
Ferrar H. *A French Reference Grammar* OUP
Moget M. T. *De vive voix (Livres de l'élève)* Didier
Pimsleur P. *C'est la vie* Harcourt Brace & World

56.511 Contemporary French Language, Literature and Civilization

**F UVal2
5Hpw**

Prerequisite: A Level II Pass or better in French at the Higher School Certificate, or equivalent qualifications. (Equivalences to be determined by the School of French on application.)

A. Language

Sessions 1 and 2:

A series of integrated tutorials and language laboratory sessions designed to develop skills in understanding, speaking and writing everyday modern French, and to relate the study of the language to life in contemporary French society.

Textbooks

Capelle J. & G. et al *La France en direct (Niveau 3)* Hachette
Dubois J. et al *Dictionnaire du français contemporain* Larousse
or: Micro Robert *Dictionnaire du français primordial* Garnier-Flammarion

Ferrar H. *A French Reference Grammar* OUP

Note: Students intending to continue French beyond the first year are advised to purchase *Le Petit Robert*, Société du Nouveau Littre.

B. Literature and Thought

Session 1: 1. Modern theatre as a tragi-comic expression of man's sense of alienation in a changing world.

Session 2: 2. A study of two modern novels dealing with individual freedom and social responsibility. **3.** An introduction to the themes and techniques of modern French poetry through a study of selected poems.

Textbooks

For 1:
Beckett S. *Oh! Les beaux jours* Editions de Minuit
Genêt J. *Les Bonnes* L'Arbalète
Ionesco E. *Théâtre I* Gallimard

For 2:
Sartre J.-P. *L'âge de raison* Livre de Poche or Folio
Vian B. *L'écume des jours* Union générale d'éditions—10/18

For 3.:
No set texts. The texts of the poems are provided by the School.

C. Civilization and Society

Session 1:

The cinema as an expression of modern French civilization. (A series of films raising various social and moral issues are screened, followed by seminars analysing their themes and artistic form. Discussion is in French.)

56.521 French Language F UVal1 3Hpw T

Prerequisite: A Level II Pass or better in French at the Higher School Certificate, or equivalent qualifications. (Equivalences to be determined by the School of French.)

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. Introduces students to aspects of contemporary French civilization through the texts studied and subjects discussed.

Textbooks

As for 56.511 Language.

Upper Level units

56.502 French IIA—Intermediate French F UVal2 6Hpw

Prerequisite: 56.501.

1. Language.

An intensive study of French language. (Session 1: 4 hours per week; Session 2: 3 hours per week).

Textbook

Capelle J. et G. et al *La France en direct* (Niveau 3) Hachette

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).

Textbooks

Pagnol M. *Topaze* Livre de Poche
Michel G. *La promenade du dimanche* Methuen
Rochefort C. *Les Stances à Sophie* Livre de Poche
Duras M. *Moderato Cantabile* Coll 10/18
Mellam R. et Johnson D. *French History and Society, The Wars of Religion to the Fifth Republic* Methuen
Howarth W. D., Peyre H. & Cruickshank J. *French Literature from 1600 to the present* Methuen

3. Electives.

Session 1. Any three of the following:

1. The treatment of social issues in the 19th century novel: Balzac and Zola.

2. Romantic and revolutionary theatre (Beaumarchais, Hugo, Musset).

3. Romantic poetry (Hugo, Nerval, Vigny).

4. Language elective.

5. Social history of the 18th and 19th centuries.

Textbooks

For **1.** Balzac H. de *Le père Goriot* Livre de Poche
Zola E. *Germinal* Livre de Poche

For **2.** Beaumarchais P.-A. C. de *Le Barbier de Séville* Classiques Larousse

Hugo V. *Ruy Blas* Classiques Larousse

Musset A. de *Lorenzaccio* Classiques Larousse

For **3.** Hugo V. *Les Chants du crépuscule* Classiques Larousse

Nerval G. de *Poésies et Souvenir* Gallimard Coll Poésie

Vigny A. de *Les Destinées* Classiques Larousse

Session 2. Any three of the following:

1. Voltaire.

2. Rousseau.

3. 18th century narrative works in letter form: Montesquieu, Laclos.

4. Language elective.

5. Special topic to be announced.

Textbooks

For **1.** Voltaire F.-M. de *Lettres philosophiques* Garnier-Flammarion

Voltaire F.-M. de *Candide* J. H. Brumfielt ed OUP

For **2.** Rousseau J.-J. *Discours sur l'origine et les fondements de l'inégalité parmi les hommes* Garnier-Flammarion

Rousseau J.-J. *Confessions* Tome I Livre de Poche classique

For **3.** Montesquieu C.-L. de *Lettres Persanes* Livre de Poche classique

Laclos C. de *Les Liaisons dangereuses* Livre de Poche classique

56.512 Enlightenment, Romanticism, Realism F UVal2 5Hpw

Prerequisite: 56.511.

A. Core Language Course: Integrated grammatical, oral-aural and written work in contemporary French.

Textbooks

As for 56.511 Language; additional texts will be supplied by the School.

56.152 French Political Theatre in the Twentieth Century F 2Hpw

Prerequisite: At least four Level I units.

For students proposing to major in other subjects who wish to study an aspect of French literature of social as well as human significance. 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 held in English, and the texts studied are also in English.

Theoretical problems (as set out by Sartre, Adamov and others) associated with expressing political issues in theatrical terms, and the various types of solutions to these problems with which different playwrights have experimented (the use of symbolism, transposition in space and time, modern reworking of classical conventions, satire, tragi-comedy, poetic theatre, etc.). The issues themselves, which are set against their historical and social background, include war, revolution, racial discrimination, colonialism, political commitment, and responses to capitalism, fascism and communism.

The course should be of particular interest to students of the Schools of Drama, Political Science and Sociology, as well as to students of other languages and literatures.

Textbooks

Adamov A. *Paolo Paoli* Fernhill
 Camus A. *The Just* Penguin
 Genêt J. *The Blacks* Faber
 Genêt J. *The Screens* Grove
 Giraudoux J. *Electre* Methuen
 Giraudoux J. *Tiger at the Gates* Methuen
 Ionesco E. *Rhinoceros and Other Plays* Penguin
 Sartre J.-P. *No Exit and Three Other Plays* (including *The Flies* and *Dirty Hands*) Random House
 Mnouchkine A. *1789 in Gambit* Vol 5 No. 20

56.162

Recent Political and Sociological F 2Hpw Speculation by French Intellectuals

Prerequisite: Any four Level I Arts units and preferably HSC French Level 2 (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. Blueprints for alternatives to the political and social orders of western societies.
2. A study of the role of utopias for past, present and future cultures.
3. Literary views of feminist issues.

The course should be of particular interest to students of the Schools of Sociology, Political Science and Philosophy.

Textbooks

For 1:
 Puisieux L. *L'énergie et le désarroi post-industriel* Hachette Coll Futuribles

For 2:
 Lapouge G. *Utopies et civilisations* Weber

For 3:
 Sartre J.-P. *Huis clos* Livre de Poche
 Vian B. *L'Arrache-cœur* Livre de Poche
 Vian B. *L'Herbe rouge* Livre de Poche
 One other text to be announced.

56.103

Modern France A

S1 6Hpw

Prerequisite: 56.512 or 56.532, 56.502 or 56.522.

A. Core Language Course

1. The comparative stylistics of English and French.
2. French syntax and analysis of common errors.
3. Oral practice discussion groups on issues of contemporary interest.

Textbook

For 1:
 Vinay J.-P. et Darbelnet J. *Stylistique comparée du français et de l'anglais Cahier d'exercices No 1* Librairie Beauchemin

B. Electives

Any three of the following:

1. Beaudelaire.
2. Flaubert.
3. Proust.
4. Language.
5. Blueprints for alternatives to the political and social orders of Western societies. (Not available for students taking 56.162.)
6. One of the options offered in 56.153.

Textbooks

For 1:
 Baudelaire C. *Les Fleurs du Mal* Classiques Garnier

For 2:
 Flaubert G. *Madame Bovary* Classiques Garnier

For 3:
 Proust M. *Du côté de chez Swann* Livre de Poche
 Proust M. *Le Temps retrouvé* Livre de Poche

For 5:
 Puisieux L. *L'énergie et le Désarroi post-industriel* Hachette Coll Futuribles

56.104

Modern France B

S2 6Hpw

Prerequisite: 56.512 or 56.532, 56.502 or 56.522.

A. Core Language Course

1. The comparative stylistics of English and French.
2. French syntax and analysis of common errors.
3. Oral practice discussion groups on issues of contemporary interest.

Textbooks

As for 56.103A.

B. Electives.

Any three of the following:

1. Surrealism.
2. Giraudoux, Montherlant.
3. Political theatre (Sartre, Adamov). (Not available for students taking 56.152.)
4. Language.
5. Socio-political aspects of France since 1870.
6. One of the options offered in 56.154.

Textbooks

For 1: Breton A. *Manifestes du surréalisme* Coll Idées Gallimard
Breton A. *Nadja* Livre de Poche
For 2: Giraudoux J. *Intermezzo* Livre de Poche
Giraudoux J. *Electre* Livre de Poche
Montherlant H. de *La Reine morte* Folio
For 3: Sartre J.-P. *Les mains sales* Folio
Adamov A. *Paolo Paoli* Gallimard

56.153

Classical France

S1 6Hpw
3Hpw for students
taking 56.103

Prerequisite: 56.512 or 56.532, 56.502 or 56.522.

A. Language.

The core language component of 56.103 (if this course is not being taken concurrently).

Textbooks

As for 56.103A.

B. Literature and Thought.

Any two of the following:

1. The fables of La Fontaine.
2. The theatre of Corneille and Molière.
3. La Bruyère and La Rochefoucauld.

Textbooks

For 1: La Fontaine J. de *Fables* Classiques Garnier
For 2: Corneille P. *L'illusion comique* Classiques Larousse
Corneille P. *Le Cid* Classiques Larousse
Molière J.-B. *L'Avare* Classiques Larousse
Molière J.-B. *Le Médecin malgré lui* Classiques Larousse
For 3: La Rochefoucauld F. de *Réflexions ou Sentences* et
Maximes Morales Garnier
La Bruyère J. de *Les Caractères* Garnier

56.154

Renaissance France

S2 6Hpw
3Hpw for students
taking 56.104

Prerequisite: 56.512 or 56.532, 56.502 or 56.522.

A. Language.

The core language component of 56.104 (if this course is not being taken concurrently).

Textbooks

As for 56.103A.

B. Literature and Thought.

Any two of the following:

1. Rabelais.
2. The essays of Montaigne.
3. 16th Century Poetry.

Textbooks

For 1: Rabelais F. *Œuvres complètes* Tome 1 Garnier
For 2: Montaigne M. de *Essais* 3 vol Livre de Poche

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.)

Textbooks

Molière J.-B. *Classiques Larousse*
Nerval G. de *Les Filles du feu* Livre de Poche
Voltaire F.-M. de *Candide* OUP

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 students choosing in each session four electives of which one shall be the language elective.

56.163

Modern France A (Advanced) S1 7½ Hpw

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 poetry of Verlaine.

Textbooks

As for 56.103, together with:
Verlaine P. *Œuvres poétiques* Classiques Garnier

56.164

Modern France B (Advanced) S2 7½ Hpw

Prerequisite: 56.163.

The course consists of 56.104 with an additional seminar on the poetry of Apollinaire.

Textbooks

As for 56.104, together with:
Apollinaire G. *Alcools* Gallimard: "Poésie"
Apollinaire G. *Calligrammes* Gallimard: "Poésie"

56.173

Classical France (Advanced) S1 7½ Hpw 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.

Arts

Textbooks

As for 56.153, together with:
Martinet A. *Éléments de linguistique générale* Coll "U2":
Armand Colin
Perrot J. *La linguistique* PUF: "Que sais-je?"

56.174

Renaissance French (Advanced)

**S2 7½ Hpw
4½ Hpw for students
taking 56.164**

Prerequisite: 56.173.

The course consists of 56.154, with an additional seminar on modern linguistic theory.

Textbooks

As for 56.154, together with:
Dubois J. *Grammaire structurale du français* Larousse
Roulet E. *Théories grammaticales, description et enseignement des langues* Labor-Nathan

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 (both sessions).
2. Eighteenth century philosophical controversies (one session).
3. Contemporary thematic and psychoanalytical methods of criticism (one session).
4. Formalist analysis in the "nouveau roman" (one session).
5. Study of selected masterpieces (two sessions).

In addition, a short thesis must be submitted. The thesis is to be written in French on an approved subject.

Textbooks

For 1:
No material will be provided by the School.
For 2:
Descartes R. *Discours de la Méthode* E. Gilson ed Vrin
Diderot D. *Œuvres philosophiques* Classiques Garnier
Rousseau J.-J. *Discours sur l'origine et les fondements de l'inégalité parmi les hommes* Garnier-Flammarion
Voltaire F.-M. *de Lettres philosophiques* Classiques Garnier
For 3:
No set texts. A reading list is supplied.
For 4:
Butor M. *La Modification* Coll 10/18
Genette G. *Figures III* ed du Seuil
Ricardou J. *Le nouveau roman* ed du Seuil
Sarraute N. *Les Fruits d'or* Livre de Poche
Todorov T. *Poétique (Qu'est-ce que le structuralisme?)* Seuil
Coll Point

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. Geography subjects in Arts allow greater specialization in human geography—the study of where and how man lives and of his activities in relation to his environment—and lesser specialization in physical geography.

A student 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. For every two Upper Level or Advanced units taken (with the exception of Group A units), students must attend a field excursion equivalent to 24 or 32 tutorial hours; that is, 3 or 4 days.
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. A student not taking Honours but with a Graded Level Pass in 27.812 or 27.822 may be admitted to Advanced Level units with the approval of the Head of School.
4. The prerequisites for 27.880 may be varied with the approval of the Head of School.
5. 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.

Special Honours in Geography only.* Two Level I units *plus* three Upper Level units *plus* three Advanced units (normally 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* two Honours Level units including 27.890. The second Honours Level unit shall be selected from 27.891, 27.892 or 27.893 or from the other School after consultation with the Heads of Schools concerned.

Level I units

27.801

Introduction to Physical Geography

Prerequisite: None.

The mechanism of the physical environment, with particular

* See Note 5.

exemplification within the Sydney region. Geologic controls of landform development; fluvial, slope and coastal processes and landforms; cyclic and equilibrium approaches to landform studies. The global radiation budget and atmospheric circulation; weather and climatic controls in the Sydney region. The hydrologic cycle. Processes and factors of soil formation and the mature soil profile. Controls of vegetation in the Sydney region. The ecosystem.

Laboratory classes include: study and use of geologic and topographic maps and air photographs; use of climatic data and the weather map; soil profile description. Two field tutorials, equivalent to 16 tutorial hours, are a compulsory part of the subject.

Textbook

Van Riper J. E. *Man's Physical World* McGraw-Hill

27.802

Introduction to Human Geography

Prerequisite: None.

Problems of data, scale, distance, and economic development. Development of human geography—traditions, approaches and basic problems, the human and natural environment. Spatial interaction including patterns of movement, gravity concept and diffusion. Pattern and structure of human activity: effect of level of economic development, man/land relationships and social and cultural factors on agriculture, manufacturing and tertiary services. Population—resources problem in context of economic development. Australian and South-East Asian examples are used where relevant.

Laboratory classes in data presentation and description. A compulsory field excursion equivalent to 8 tutorial hours.

Textbooks

Hurst M. E. A *Geography of Economic Behavior* Duxbury Press *

Hammond R. & McCullagh P. S. *Quantitative Techniques in Geography* OUP

Upper Level unit†

Group A

27.811

Physical Geography

Prerequisite: 27.801. Co-requisite: 27.813.

Emphasising inter-dependence of climate, hydrology, landforms, 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.

Textbooks

Bridges E. M. *World Soils* C.U.P.*

Riley D. & Young A. *World Vegetation* C.U.P.*

Van Riper J. E. *Man's Physical World* McGraw-Hill

27.812

Human Geography

Prerequisite: 27.802. Co-requisite: 27.813.

Spatial structure and social organisation in human geography with some emphasis on Australasia and South-East Asia. Pre-urban societies; urbanisation in underdeveloped and industrialized societies; the urban growth process; location, size and spacing of settlements; the economic and social structure of urban areas; geographical perspectives on urban problems.

Includes laboratory classes on relevant methodology applied to local examples and a compulsory field tutorial.

27.813

Geographic Methods

Co-requisites: 27.811 or 27.812.

An introductory course in statistical procedures as used in both human and physical geography, including: measures of dispersion; measures of spatial distribution; time series; probability distributions; samples and estimates; hypothesis testing; correlation and regression; tests for distribution in space.

Textbook

Hammond R. & McCullagh P. S. *Quantitative Techniques in Geography* OUP

Group B‡

27.820

Location Studies

Prerequisite: 27.812 or 15.072.

Transport costs and location; the spatial distribution of resources and markets and the effects on the location of the firm. Patterns of industrial and residential location. Agglomeration economies and the effect on location patterns. Location patterns in underdeveloped countries. Location policies and problems in capitalist and centrally-planned economies.

Textbook

Hoover E. M. *An Introduction to Regional Economics* Knoff

27.821

Marketing Geography

Prerequisite: 27.812 or 15.072.

The relationship between consumer spatial behaviour and the pattern or structure of marketing establishments. Organization and operation of the marketing function with emphasis upon the pattern of consumer oriented enterprises and the structure of market areas in intra-urban areas. Spatial behaviour of consumers including search and decision processes. Workshop seminars on term project, analytical techniques and issues raised in lectures.

Textbooks

Engel J. F., Kollatt D. T. & Blackwell R. D. *Consumer Behavior* 2nd ed Holt Rinehart & Winston

Scott P. *Geography and Retailing* Hutchinson *

†See Note 1.

‡See Note 2.

*Paperback.

27.822

Transportation Geography

Prerequisite: 27.812 or 15.072.

The analysis of the transportation system in terms of its relationships with economic and geographic indicators. Focus on network analysis, flow studies, nodal systems, circulation theory, impact studies, transport and economic development, and the urban transportation problem.

Laboratory classes involve practical application of pertinent methodology, and seminars stress the consideration of major problem areas in transportation in Australia.

Textbook

Eliot-Hurst M. E. *Transportation Geography* McGraw-Hill *

27.823

Urban Geography

Prerequisite: 27.812.

The geography of cities in the context of economic and cultural systems, social and political processes, and historical perspectives. Topics: foundations of urban geography; the city in underdeveloped countries and planned economies; the city as an ecosystem; distributions, problems and policies of urban size; growth centres and urban planning; interurban and intraurban movement and linkages; urban residential preferences and spatial differentiation; urban environmental quality and the perceived urban environment. Weekly seminars, and laboratory and fieldwork of a practical nature to include urban survey techniques.

27.840

Agricultural Geography

Prerequisite: 27.812 or 15.603 or 53.204 or 51.542.

Physical, economic, political, and other cultural factors involved in origin and change of agricultural landscapes. Spatial patterns of agriculture as the result of individual and group decisions. Innovation diffusion as the process of farming change. Problems of agricultural modernization in South East Asia. Planning in rural areas, especially the impact on agriculture of competing land uses. Examples mainly drawn from Australasia.

Workshop/seminar classes include treatment of methods of inquiry into agricultural geographical problems and discussion of selected topics.

27.841

Population Geography

Prerequisite: 27.812 or 53.204 or 15.763.

Population growth and contrasts in growth patterns between underdeveloped, modernizing and developed countries. Growth dynamics and their relation to physical and human resources. The demographic transition as a unifying theme. Population densities in urban and rural areas: case studies are drawn mainly from Western Europe, Southeast Asia and Australia. Social and economic factors in international and internal migration. Spatial interaction between the populations of rural areas and cities, and between cities. Fertility and mortality variations within and between regions, countries and cities. Urbanization of population. Stable and stationary population theory. World population problems. Workshop tutorials are concerned with session projects.

Textbooks

Demko E. J., Rose H. M. & Schnell G. A. *Population Geography: A Reader* McGraw-Hill *
Wilson M. G. A. *Population Geography* Nelson *
Zelinsky W., Kosinski L. A. & Mansell Prothero R. *Geography and a Crowding World* OUP

27.842

Social Geography†

Prerequisite: 27.812 or 53.204.

The relationship of spatial and social structures in rural and urban contexts. Emphasis on social processes producing spatial patterns with themes such as "community", "neighbourhood", urbanization, social deprivation, inequality, segregation of minorities, and the results of social area studies. Cultural influences in the rate and form of urbanization. Rurality and urbanism as "ways of life". Relation of overseas experience to Australian society.

Workshop sessions include treatment of census data handling, questionnaire construction, interviewing, and participant observation and other unobtrusive techniques, plus discussion of selected topics.

†Subject to availability of Staff in 1976.

Group C†

27.860

Landform Studies

Prerequisite: 27.811.

To give perspective to the study of landforms and to allow detailed work on selected topics. The nature of geomorphology. Structural and tectonic controls of landform assemblages; geomorphic regions, with reference to Australia. Planation processes and forms and associated weathering features in Australia. Comparison of equilibrium and evolutionary approaches to landforms illustrated by: drainage catchments, forms of river channels, slopes, coastal landforms. Geomorphic evolution of Australia. Man as a geomorphic agent.

Laboratory exercises include the study of landforms and landform regions on maps and airphotos, and appropriate statistical exercises.

Textbooks

†Morisawa M. *Streams, their Dynamics and Morphology* McGraw-Hill
Young A. *Slopes* Oliver & Boyd

27.862

Australian Environment and Land Resources

Prerequisite: 27.811.

Regional patterns of natural land resources of Australia. Climatic, geomorphic, soil and biotic factors affecting past, present and potential modes of land use and stability of primary production. Physical environmental conditions favouring or impeding productive utilization and further development of land resources under a changing technology. Problems of avoiding degradation of land quality and natural

†See Note 2.

*Paperback.

ecosystems. Case studies from distinctive environmental settings in Australia.

Laboratory/workshop sessions include study of maps and airphotos of typical environments.

Textbook

CSIRO *The Australian Environment* MUP

27.863

Soils, the Ecosystem and Man

Prerequisite: 27.811.

Soils as an expression of endogenic and external factors and of physical and biological controls, and as a bridge between the physical environment and man's use of the land. Materials and properties of soils. Soils in the ecosystem; interrelationships between soil and climatic, biotic and geomorphic features of the environment. Constraints imposed by soil properties on land use, in both rural and urban settings. Man's effect on the soil, and its consequences, e.g., soil pollution, disturbance of soil-moisture and nutrient cycles, soil depletion and erosion.

These themes will be co-ordinated in the study of regional examples in Australia and South-East Asia. There are laboratory workshops, field excursions and group projects.

Advanced Level units†

Group A

27.880

Advanced Geographic Methods

Prerequisites: Graded Passes in 27.811 or 27.812 plus one other Upper Level unit in Geography. *Co-requisites:* 27.801 and 27.802, unless previously completed.

Additional quantitative research techniques normally taken by 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; nonparametric methods.

Textbooks

Blatt J. M. *Introduction to Fortran IV Programming* Goodyear
King L. J. *Statistical Analysis in Geography* Prentice-Hall

Group B†

27.830

Location Studies (Advanced)

Prerequisites: Graded passes in 27.812 plus one other Upper Level unit in Geography. *Co-requisite:* 27.801.

As for 27.820 Location Studies, with additional and more advanced work.

27.831

Marketing Geography (Advanced)

Prerequisites: Graded passes in 27.812 plus one other Upper Level unit in Geography. *Co-requisite:* 27.801.

As for 27.821 Marketing Geography with additional work on periodic markets, experimental design and scaling techniques.

27.832

Transportation Geography (Advanced)

Prerequisites: Graded passes in 27.812 plus one other Upper Level unit in Geography. *Co-requisite:* 27.801.

As for 27.822 Transportation Geography with additional and more advanced work.

27.833

Urban Geography (Advanced)

Prerequisites: Graded passes in 27.812 plus one other Upper Level unit in Geography. *Co-requisite:* 27.801.

As for 27.823 Urban Geography with additional and more advanced work.

27.850

Agricultural Geography (Advanced)

Prerequisites: Graded passes in 27.812 plus one other Upper Level unit in Geography. *Co-requisite:* 27.801.

As for 27.840 Agricultural Geography with additional lecture/tutorials, especially relating to agricultural change in Australia.

27.851

Population Geography (Advanced)

Prerequisites: Graded passes in 27.812 plus one other Upper Level unit in Geography. *Co-requisite:* 27.801.

As for 27.841 Population Geography with additional and more advanced work on techniques of spatial population analysis.

27.852

Social Geography (Advanced)‡

Prerequisites: Graded passes in 27.812 plus one other Upper Level unit in Geography. *Co-requisite:* 27.801.

As for 27.842 Social Geography with additional and more advanced work.

Group C§

27.870

Landform Studies (Advanced)

Prerequisites: Graded passes in 27.811 plus one other Upper Level unit in Geography. *Co-requisite:* 27.802.

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.

†See Notes 1, 2, 3 and 4.

‡Subject to availability of Staff in 1976.

§See Note 2.

27.872

Australian Environment and Land Resources (Advanced)

Prerequisites: Graded passes in 27.811 plus one other Upper Level unit in Geography. *Co-requisite:* 27.802.

As for 27.862 Australian Environment and Land Resources plus further study based on additional tutorial classes and reading. Additional topics include: 1. environmental bases for reserving land resources for forestry, water supply and wildlife protection; and 2. conflicting demands in regional resource development.

27.873

Soils, the Ecosystem and Man (Advanced)

Prerequisites: Graded passes in 27.811 plus one other Upper Level unit in Geography. *Co-requisite:* 27.802.

As for 27.863 Soils, the Ecosystem and Man, with additional and more advanced work.

Honours Level units

27.890

Thesis and Associated Seminars

Prerequisites: Graded passes in 3 Advanced Level units in Geography. *Co-requisite:* 27.891 or 27.892 or 27.893.

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 examination period in November of the final year.

27.891

Honours Economic Geography

Prerequisites: Graded passes in 3 Advanced Level units in Geography. *Co-requisite:* 27.890.

Approaches to the study of the space economy with emphasis on spatial problems of economic growth and development. Problems raised are viewed from a planning perspective.

Textbooks

Richardson H. W. *Regional Growth Theory* Macmillan
Leven C. L., Legler J. B. & Shapiro P. *An Analytical Framework for Regional Development Policy* MIT Press

27.892

Honours Human Geography

Prerequisites: Graded passes in 3 Advanced Level units in Geography. *Co-requisite:* 27.890.

Changing view of the man-land theme within human geography in the twentieth century. The decline and resurrection of humanistic perspectives. The impact of quantification and theory-building. The above themes are developed through consideration of such substantive areas as population-resource relationships; urbanism; environmental perception, social problems and social change.

27.893

Honours Physical Geography

Prerequisites: Graded passes in 3 Advanced Level units in Geography. *Co-requisite:* 27.890.

Advanced studies in a branch of physical geography appropriate to the area of research chosen for the thesis.

Applied Geology

Undergraduate Study

25.011

Geology I

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.

Textbooks

Bickford M. E. et al *Geology Today* CRM Books Calif
Black R. M. *Elements of Palaeontology* C.U.P.
Rutley F. *Elements of Mineralogy* Read H. H. ed Murby
Tyrrell G. W. *The Principles of Petrology* Methuen

25.151 Geoscience IA

Prerequisite: HSC Science 2s or better.

For students who do not intend studying geology beyond first year. The first part, during Session 1, is identical to the first part of 25.111 Geoscience, but during Session 2 certain additional topics are presented, while others are treated in less depth than in 25.111 Geoscience. 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 epirogenesis. 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.

Textbooks

Bickford M. E. et al *Geology Today* CRM Books Calif
Rutley F. *Rutley's Elements of Mineralogy* Read H. H. ed Murby London
Tyrrell G. W. *The Principles of Petrology* Methuen

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 differentiation. Simple binary and ternary systems. Origin and clas-

sification 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.

Structural Geology

Textbooks

Ragan D. M. *Structural Geology: An Introduction to Geometrical Techniques* 2nd ed Wiley
Spencer E. W. *Introduction to the Structure of the Earth* McGraw-Hill

Mineralogy, Igneous and Metamorphic Petrology

Textbooks

Bloss F. D. *An Introduction to the Methods of Optical Crystallography* Holt Rinehart & Winston
Heinrich E. W. *Microscopic Identification of Minerals* McGraw-Hill
Turner F. J. & Verhoogen J. *Igneous and Metamorphic Petrology* McGraw-Hill

Photogeology

Textbook

Von Bandat H. F. *Aerogeology* Gulf Publishing Company

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.

Textbooks

Blatt H., Middleton G. & Murray R. *Origin of Sedimentary Rocks* Prentice-Hall
Brown D. A., Campbell K. S. W. & Crook K. A. W. *Geological Evolution of Australia and New Zealand* Pergamon
Dunbar C. O. & Rodgers J. *Principles of Stratigraphy* Wiley
Moore R. C., Lalicker C. G. & Fischer A. G. *Invertebrate Fossils* McGraw-Hill

German

Undergraduate Study

All units offered by the School of German (with the exception of 64.501 German IA and 64.504 German Honours, 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 course 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.

Textbooks

- Blohm K. & W. Köpke *Begegnung mit Deutschland* Hueber
 Böll H. *Dr. Murkes gesammeltes Schweigen* Harrap
 Löf S. et al *Die Bundesrepublik Deutschland* Longman
 Lohnes W. & Strothmann F. W. *German: A Structural Approach* 2nd ed Norton
 Lohnes W. & Strothmann F. W. *Study Guide for German: A Structural Approach* 2nd ed Norton
Starting German Books 1-3 BBC

For students proceeding to 64.502 German IIA:
 Dürrenmatt F. *Der Besuch der alten Dame* Methuen
 Frisch M. *Andorra* Methuen

64.511

German IB

Prerequisite: At least a Second Level Pass in German at the Higher School Certificate or its equivalent. *Co-requisite:* 64.521.

Three hours per week practical language work.

Textbooks

A-L-M-German Level Four Harcourt Brace Jovanovich
 Schulz K. *Deutsche Geschichte und Kultur* Die blauen Bücher Hueber

64.521

German IC

Prerequisite: as for 64.511. *Co-requisite:* 64.511.

Three hours per week: a survey of German literature and a detailed study of selected literary texts.

Textbooks

Bingel H. ed *Deutsche Prosa. Erzählungen seit 1945* dtv
 Brecht B. *Kalendergeschichten* Rowohlt
 Hofmannsthal H. v. *Der Schwierige/Der Unbestechliche* Fischer
 Hofmannsthal H. v. *Reitergeschichte/Das Märchen der 672. Nacht/Das Erlebnis des Marschalls von Bassompierre* Fischer
 Kleist H. v. *Erzählungen* dtv
The Penguin Book of German Verse

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 programme during the long vacation prior to enrolment.

Textbooks

As for 64.511.

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 a detailed study of selected literary texts.

Textbooks

As for 64.521.

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 civilization 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 civilization offered each year by the School.

Options for 1976

A1. Translation, Composition and Vocabulary Building (1 hour per week)

A2. Two graded groups.

B German Political History 1806-1918. (1 hour per week)

Textbooks

Kinder H. & Hilgemann W. ed dtv-Atlas zur Weltgeschichte vol 2: Von der Französischen Revolution bis zur Gegenwart dtv

Zechlin E. Die deutsche Einheitsbewegung Ullstein

C History of German Literature I. (1 hour per week)

Textbooks

Goethe J. W. v. Die Leiden des jungen Werthers dtv

Goethe J. W. v. Faust ed E. Trunz Beck

Hölderlin F. Gedichte Reclam

Kleist H. v. Prinz Friedrich von Homburg Reclam

Lessing G. E. Minna von Barnhelm Rowohlt

Schiller F. Die Räuber Rowohlt

Schiller F. Wallenstein Ullstein

D Text Analysis. (1 hour per week)

E Seminars in Language and Literature. (2 hours per week)

First seven weeks

1. German Romantic Poetry I

Textbooks

Brentano C. Gedichte Reclam

Eichendorff J. v. Gedichte Reclam

Novalis Gedichte Reclam

Uhland L. Dichtungen und Schriften Goldman

2. Heinrich Mann

Textbooks

Mann H. Der Tyrann/Die Branzilla Reclam

Mann H. Der Untertan dtv

Mann H. Professor Unrat Rowohlt

3. Fontane

Textbooks

Fontane T. Effi Briest Nymphenburger (Taschenbuchausgabe)

Fontane T. Schach von Wuthenow Nymphenburger (Taschenbuchausgabe)

Fontane T. Unwiederbringlich Nymphenburger (Taschenbuchausgabe)

4. To be announced.

Second seven weeks

5. German Romantic Poetry II

Textbooks

Droste-Hülshoff A. v. Gedichte Reclam

Lenau N. Gedichte Reclam

Mörke E. Gedichte Reclam

6. Brecht

Textbooks

Brecht B. Baal. Der böse Baal der asoziale Suhrkamp (es)

Brecht B. Der gute Mensch von Sezuan Suhrkamp (es)

Brecht B. Die heilige Johanna der Schlachthöfe Suhrkamp (es)

Brecht B. Die Maßnahme Suhrkamp (es)

Brecht B. Gedichte (selected and duplicated by School)

Brecht B. Mann ist Mann Suhrkamp (es)

7. The German novel of the Weimar Republic

Textbooks

Döblin A. Berlin Alexanderplatz dtv

Fallada H. Kleiner Mann, was nun Rowohlt

Hesse H. Der Steppenwolf Suhrkamp (st)

Kästner E. Fabian Ullstein

8. To be announced.

Third seven weeks

9. Literature and Revolution

Textbooks

Büchner G. Werke und Briefe dtv

Dorst T. Sand Kiepenheuer (pocket book)

Dorst T. Toller Suhrkamp (es)

Weiss P. Marat/Sade Suhrkamp (es)

10. The Nazi period in the post-war German novel

Textbooks

Grass G. Die Blechtrommel Fischer

Lenz S. Deutschstunde dtv

11. Introduction to Early New High German

12. To be announced

Fourth seven weeks

13. Goethe's Poetry

Textbook

Goethe J. W. v. Gedichte Reclam

14. Frank Wedekind

Textbooks

Wedekind F. Der Kammersänger Reclam

Wedekind F. Der Marquis von Keith Reclam

Wedekind F. Erdgeist/Büchse der Pandora Goldmann

Wedekind F. Frühlings Erwachen Reclam

15. Introduction to Semantics

Textbook

Blanke G. H. Einführung in die semantische Analyse Hueber

16. To be announced

F Advanced German for Native Speakers. (1 hour per week)

**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 options listed under 64.542 German IID.

**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 civilization offered by the School.

**64.513
German IIIB**

Prerequisite: 64.502 or 64.532. *Co-requisite:* (except for native German speakers) 64.503.

Three hours per week selected from the list of options under 64.542 German IID.

**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: 64.502 or 64.532. *Co-requisite:* 64.513.

Two additional hours per week selected from the options listed under 64.542 German IID.

**64.543
German IIIC (Advanced)**

As for 64.533 German IIIC, but with an additional hour per week selected from the list of options.

**64.533
German IIID**

Prerequisite: 64.502 or 64.532. *Co-requisite:* 64.533.

Two additional hours per week selected from the options listed under 64.542 German IID.

**64.563
German IIID (Advanced)**

As for 65.553 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.

**64.610
German Literature and Society**

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 will be stressed in seminar discussions.

Textbooks

- Böhl, H. *Billiards at half past nine* Calder
- Canetti E. *Auto-da-fé* Penguin
- Fontane T. *Effi Briest* Penguin
- Grass G. *Cat and Mouse* Penguin
- Hoffmann E. T. A. *The Best Tales* Dover Books
- Kafka F. *Metamorphosis and other Stories* Penguin
- Kleist H. v. *Prince Frederick of Homburg* Barron
- Mann H. *The little town* Ungar
- Mann T. *The Magic Mountain* Penguin
- Schnitzler A. *Vienna 1900—Games with Love and Death* Penguin
- Willlett J. *Expressionism* World University Library

History

Undergraduate Study

The School of History offers a variety of Level I, Upper Level and Advanced Level courses, giving students a wide choice of options at all levels. All courses 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.

The Pass student, in each of the three undergraduate years is required to attend two lectures and one tutorial each week, while the intending Honours student attends additional seminars in his second and third years and devotes a fourth, additional year to special honours work, which includes the writing of a thesis. Most of the student's working time, however, will be spent in the University library, reading the books prescribed for his course, preparing papers to be read at tutorials and seminars, and writing the essays required in his course.

The basic division within the courses 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 courses, the student is introduced to approaches techniques and requirements and is expected to build on these foundations a more mature and refined handling of his subject, and to develop his own techniques for coping with the widening variety and increasing volume of source materials to which he will be introduced: he is also encouraged to extend his own initiatives in relation to the historical enquiries in which he is 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 postgraduate students working towards the MA or PhD degree.

The minimum number of units for a major in the School of History is six. A Pass student 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.

51.501

History IA—Tradition and Society in Asia

The structure and values of selected pre-modern Asian societies together with certain historiographical theories concerning the nature of traditional societies. Examples will be drawn from the history of China, India, the Middle East and Southeast Asia in the 16th, 17th and 18th centuries. Topics: classical philosophy, popular religion, social organization, the state and political philosophy, aesthetics and cultural encounter. Consists of two equal parts: (a) The Islamic and Confucian traditions, and (b) The Hindu and Buddhist traditions.

Session 1

Textbooks

- Bodde D. *China's Cultural Tradition: What and Whither?* Holt Rinehart *
 de Bary W. T. et al eds *Sources of Chinese Tradition* Vol I Columbia UP *
 Gibb H. A. R. *Mohammedanism* 2nd ed OUP *
 Levy R. *The Social Structure of Islam* 2nd C.U.P. *
 Meskill J. T. ed *An Introduction to Chinese Civilization* Heath *
 Reischauer E. O. & Fairbank J. K. *East Asia: The Great Tradition* Allen & Unwin *
 Rodenson M. *Mohammed* Penguin *
 Watt, W. M. *Muhammad: Prophet and Statesman* OUP
 Wolf E. R. *Peasants* Prentice-Hall *

Session 2

Textbooks

- Basham A. L. *The Wonder that was India* Fontana *
 de Bary W. T. et al *Sources of Indian Tradition* Vol I Columbia UP *
 de Bary W. T. ed *The Buddhist Tradition in India, China and Japan* *
 Lannoy R. *The Speaking Tree: A Study of Indian Culture and Society* OUP
 Lester R. C. *Theravada Buddhism in Southeast Asia*. Michigan UP
 Ling T. *The Buddha: Buddhist Civilization in India and Ceylon* Temple Smith *
 Sen K. *Hinduism* Penguin *
 Spiro M. *Buddhism and Society: A Great Tradition and its Burmese Vicissitudes* Allen & Unwin
 Thapar R. *A History of India* Vol I Penguin *

51.511

History IB—Europe, 1500-1945

This course seeks to examine some of the main formative influences in European history since 1500. It is divided into two equal parts; in each part two themes will be followed.

Part 1: Early Modern Europe

- (a) Religion and Politics 1500-1650.
 (b) Absolutism and the Enlightenment 1650-1789.

Part 2: Modern Europe

- (a) The French Revolution and its Influence in the 19th Century.
 (b) Revolution, War and Society in the 20th Century.

Textbooks

- Adams W. E. et al eds *The Western World* Dodd Mead & Co.
 Cantor N. F. & Berner S. eds *Problems in European History* Vol 2 *Early Modern Europe* Vol 3 *The Modern Era* Crowell *
 Craig G. *Europe Since 1815* 2 Vols Holt Rinehart & Winston
 Droz J. *Europe between Revolutions, 1815-1848* Fontana *
 Elliott J. H. *Europe Divided, 1559-1598* Fontana *
 Elton G. R. *Reformation Europe, 1517-1559* Fontana *
 Penington D. *Seventeenth Century Europe* Holt Rinehart & Winston
 Stoye J. *Europe Unfolding, 1648-1688* Fontana *
 Wiskemann E. *Europe of the Dictators, 1919-1945* Fontana *
 Blanning T. C. W. *Joseph II and Enlightened Despotism* Longman *
 Beloff M. *The Age of Absolutism, 1660-1815* Hutchinson *
 Carr W. *Arms, Autacky and Aggression* Norton *

*Paperback.

Chadwick O. *The Reformation* Pelican History of the Church Vol 3 London UP *

Cobban A. *The Social Interpretation of the French Revolution* C.U.P. *

Dickens A. G. *Reformation and Society in Sixteenth Century Europe* Thames & Hudson *

Fest J. C. *The Face of the Third Reich* Ace Books *

Fest J. C. *Hitler* Harcourt Brace Jovanovich *

Fischer F. *Germany's Aims in the First World War* Norton *

Gagliardo J. *Enlightened Despotism* Crowell

Goubert P. *Louis XIV and Twenty Million Frenchmen* Random *

Lefebvre G. *The Coming of the French Revolution* Princeton UP *

Lubinskaya A. D. *French Absolutism: the crucial phase 1620-1629* C.U.P.

Markham F. M. H. *Napoleon* Mentor *

McLellan D. *Karl Marx, His Life and Thought* Harper & Row

Mack Smith D. *Victor Emmanuel, Cavour and the Risorgimento* OUP

Mosse W. G. *Alexander II and the Modernization of Russia* Macmillan *

Palmer A. *Metternich* Harper & Row

Polisensky J. V. *The Thirty Years War* Mentor *

Rudé G. *Revolutionary Europe 1783-1815* Fontana *

Saarnivaara U. *Luther Discovers the Gospel* Concordia

Williams G. H. *The Radical Reformation* Westminster

Williams E. N. *The Ancien Régime in Europe* Pelican *

51.521

History IC—Australian History 1788-1916: A Survey

Session 1: The transformation of penal settlements into self-governing colonies.

Session 2: The emergence of the Australian nation.

Textbooks

Blainey G. *The Tyranny of Distance* Sun Books *

Clark C. M. H. *A Short History of Australia* Mentor *

Crowley F. K. ed *A New History of Australia* Heinemann *

Inglis K. S. *The Australian Colonists* M.U.P.

Upper Level units

51.532

History IIA—Modern India 1757-1976

Prerequisites: 51.501 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 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; decolonisation 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 authoritarianism; its failure to contain Bengali separatism, its foreign relations. (c) The subcontinent: Perspectives, 1976: The problems facing the incumbent regimes in India, Bangladesh and Pakistan; alternative political forces in the region.

Textbooks

Cohn B. India: *The Social Anthropology of a Civilization* Prentice-Hall

De Bary W. M. T. ed *Sources of Indian Tradition* Vol II Columbia UP *

Hardy P. *The Muslims of British India* C.U.P.

Massetos J. *Nationalism on the Indian Sub-Continent* Sydney UP

Metcalf T. R. *Modern India: An Interpretive Anthology* Macmillan

51.542

History IIB—Australia in the Twentieth Century

Prerequisites: 51.501 or 51.511 or 51.521 or equivalent qualifications as determined by the School of History.

Major themes in Australian social and political history since 1900.

Session 1

The years 1900-1939.

Session 2

The period from 1939 to the present.

Textbooks

Alexander F. *Australia Since Federation: A Narrative and Critical Analysis* Nelson *

Clark C. M. H. *A Short History of Australia* Mentor *

Crowley F. K. ed *A New History of Australia* Heinemann

Hancock W. K. *Australia* Jacaranda 1966 (first published 1930) *

Hudson W. J. *Australian Diplomacy* Macmillan *

Serie G. *From Deserts the Prophets Come* Heinemann *

51.522

History IIC—International History since 1914

Prerequisites: 51.501 or 51.511 or 51.521 or equivalent qualifications as determined by the School of History.

Part 1: The main currents and problems of international relations from 1914-1945. The First World War, the post-war settlements, the League of Nations and the mandates system; International relations from 1919-1930, comprising the German Problem, and the international search for security and disarmament. The world economic crisis and its political repercussions. International relations from 1930-1939, comprising the Manchurian and Ethiopian crises, the foreign policies of the major world powers, and the Second World War.

Part 2: Major trends in international history since 1945 with emphasis on the world's recent experience of nationalism in the light of decolonization, European integration, international organization and the communist interstate system.

*Paperback.

Textbooks**

- Albrecht-Carrié R. A *Diplomatic History of Europe* 2nd ed University Paperback *
- Barraclough G. *An Introduction to Contemporary History*
- Gathorne-Hardy G. M. A *Short History of International Affairs 1920-1939* 4th ed RIIA OUP
- Grenville J. A. S. *The Major International Treaties 1914-1973* University Paperback *
- Robertson C. L. *International Politics Since World War II* *

51.562

History IID—Southeast Asian History

Prerequisites: 51.501 or 51.511 or 51.521 or equivalent qualifications as determined by the School of History.

Session 1: Southeast Asian Societies, and the European Impact

The major features of the societies of Southeast Asia up to the early 20th century. Their historical development, religions, and political and economic structures, and the changes occurring with the advent of the Europeans. Emphasis on developments in the 19th century.

Session 2: Nationalism, Revolution and Independence.

The social changes, and the development and nature of nationalist movements in Southeast Asian societies during and after British, Dutch and French colonial rule in the 20th century. Includes Indonesia, Malaysia, Vietnam and Thailand.

Textbooks

- Cady J. F. *Southeast Asia: Its Historical Development* McGraw-Hill
- Legge J. D. *Indonesia* Prentice-Hall
- Steinberg D. J. ed *In Search of Southeast Asia: A Modern History* Praeger

51.572

History IIE—A History of the United States

Prerequisites: 51.501 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: 1877-1974.

Textbooks

- Commager H. S. ed *Documents of American History* 8th ed
- Degler C. *Out of Our Past: The Forces that Shaped Modern America* Rev ed
- Morris R. B., Greenleaf W. & Ferrell R. H. *America: A History of the People* Chicago

Advanced Level units

51.602

Indian History (Advanced)

Prerequisites: 51.501(Cr) or 51.511(Cr) or 51.521(Cr).

Any Upper Level History double unit, plus

Two equal parts: A India, and B Pakistan and Bangladesh. A series of seminars which examine the roots of social and political conflict in South Asia over the period 1947-1974, and the manner in which this conflict was reflected in politics in the region.

51.612

Australian Political History (Advanced)

Prerequisites: 51.501(Cr) or 51.511(Cr) or 51.521(Cr).

Any Upper Level History double unit, plus

A series of seminars on Australian political history from the nineteenth century to the present. As well as focusing on important aspects of political history the seminars pay particular attention to the interpretative frameworks used by various authors in describing the course of Australian politics.

51.622

The Rise and Fall of the Lady in Australia (Advanced)

Prerequisites: 51.501(Cr) or 51.511(Cr) or 51.521(Cr).

Any Upper Level History double unit, plus

A series of seminars to examine changes in the images of, attitudes to, and roles of women in Australian society from the early days of white settlement until modern times. The central theme of the seminars is the concept of "the lady", its contemporary significance, and the problems of historical research and interpretation raised in the exploration of this concept.

51.632

The American Revolution and the Federal Constitution 1764-1788 (Advanced)

Prerequisites: 51.501(Cr) or 51.511(Cr) or 51.521(Cr).

Any Upper Level History double unit, plus

A series of seminars on the American Revolution and its aftermath from 1764 to 1788. Topics include English and colonial society on the eve of Independence, the importance of economic, political, religious and intellectual factors in bringing about the Revolution; the role of the crowd, Loyalism, the impact of slavery on the founding of the U.S., and the response of Indian societies to the revolutionary and post-revolutionary society.

51.642

South East Asian History (Advanced)

Prerequisites: 51.501(Cr) or 51.511(Cr) or 51.521(Cr).

Any Upper Level History double unit, plus

Part 1: Revolution and Counter-revolution in Indonesia, 1942-1950.

A study of the forces for and against the political, social and economic transformation of Indonesian society between 1942 and 1950.

**Students are advised to check books in the University Library in cases where publisher has been omitted.

*Paperback.

Part 2: Revolution and Counter-revolution in Vietnam, 1945-1956.

A study of Vietnamese nationalist movements from the revolution of 1945 to the establishment de facto of two Vietnamese states.

51.652

Zionism and the Middle East Conflict 1917-1973 (Advanced)

Prerequisites: 51.501(Cr) or 51.511(Cr) or 51.521(Cr).

Any Upper Level History double unit, plus

The effects of Zionism and Arab nationalism and Middle East politics from the Balfour Declaration of 1917 to the 1973 conflict. Attention is focused principally on pre-1920 nationalist reaction to Turkish rule, on British attempts under its League of Nations mandate to reconcile the dominant Arab and rapidly growing Jewish elements in Palestine; on the United Nations resolution to partition the area; on Jewish survival against international Arab attack in 1948, establishment of the state of Israel and the Arab exodus; on the campaigns of 1956 and 1967; the Arab-Israeli issue in international politics, and the changing power situation resulting from the 1973 conflict.

51.662

Reform and the Social Order in America, 1800-1860 (Advanced)

Prerequisites: 51.501(Cr) or 51.511(Cr) or 51.521(Cr).

Any Upper Level History double unit, 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. The course analyses the 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.

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 of not more than 20,000 words, which must be submitted before the Final Examinations in November.

B Students are required to take Historiography (History IVA) and either Religion in English Society from 1500 (History IVB), Revolution in Twentieth Century Peasant Societies (History IVC) or The Family and Feminism in Nineteenth Century Britain, America and Australia (History IVD).

History IVA Historiography: A series of seminars on Historiographic Themes.

Students should consult list posted on the School notice board.

History IVB Religion in English Society from 1500.

History IVC Revolution in Twentieth Century Peasant Societies: Russia, China and India

History IVD The Family and Feminism in Nineteenth Century Britain, America and Australia.

History and Philosophy of Science

Undergraduate Study

The division in educational curricula between science and the humanities obscures the fact that throughout history the natural sciences have been an integral component of general intellectual and cultural development. Until the nineteenth century, for example, the term "philosophy" included science. It is no accident that science has flourished in times and places of dynamic cultural life—classical Greece, Renaissance Italy, eighteenth-century France, nineteenth-century Germany. One of the aims of HPS courses in the Faculty of Arts is to acquaint students generally with this relationship between science and cultural development.

Two pairs of wide-ranging units are offered in first year, one concerned with the history of cosmology and the other with 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 are offered. A number of units are of general interest and serve to complement courses offered by other Schools, such as Philosophy, Sociology and History. Other units are designed for students interested primarily in learning something of the internal history 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.

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 including 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.

Preliminary Reading

Koestler A. *The Sleepwalkers* Penguin

Textbooks

Kuhn T. S. *The Copernican Revolution* Random House
Munitz M. K. ed *Theories of the Universe* Free Press

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; 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.

Textbooks

Munitz M. K. ed *Theories of the Universe* Free Press
Toulmin S. & Goodfield J. *The Fabric of the Heavens* Penguin

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.

Preliminary Reading

Butterfield H. *The Origins of Modern Science* Bell

Textbooks

Hall A. R. *From Galileo to Newton 1630-1720* Collins
Hall M. B. ed *Nature and Nature's Laws—Documents of the Scientific Revolution* Harper
Smith P. *Origins of Modern Culture, 1543-1687* Collier
Smith P. *The Enlightenment, 1687-1776* Collier

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.

Preliminary Reading and Textbooks

As for 62.211.

Upper Level units

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.

Preliminary Reading

Collingwood R. G. *The Idea of History* OUP

Textbooks

Gillispie C. C. *Genesis and Geology* Harper
Haber F. C. *The Age of the World: Moses to Darwin* Johns Hopkins UP
Toulmin S. E. & Goodfield J. *The Discovery of Time* Hutchinson
Burchfield J. D. *Lord Kelvin and the Age of the Earth* Science History Publ.

62.242

Introduction to the History of Ideas

Prerequisite: Any four Level I Arts subjects.

The discipline of the history of ideas. The development of the study of the History of Ideas from the founding of the History of Ideas Club at Johns Hopkins in 1923. 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, Great Chain of Being, Materialism, Nature, Progress, Reason, Utilitarianism, Social Darwinism.

Textbooks

No textbook is suitable for prescription. Extracts from source material and journal articles are issued.

62.243

The Darwinian Revolution

Prerequisite: Completion of four Arts or other approved units.

A study of the scientific and philosophical 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.

Textbooks

Appelman P. ed *Darwin: a Norton Critical Edition* Norton
Darwin C. *The Origin of Species* 1st ed Pelican

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.

Textbooks

Selections from primary sources, and other material are issued during the course.

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 present, though the main emphasis is placed on ideas in the seventeenth, eighteenth, and nineteenth centuries. A consideration of the speculations—both "plianist" and "atomistic"—of the Greeks leads to an account of the discussion and elaboration of these views in the Mediaeval period and the Renaissance. Then, the rise of the "mechanical philosophy" in the seventeenth century is discussed, with consideration of the Cartesian and Newtonian schemes. This leads to an account of the elaboration of the Newtonian world-picture—in both its "mechanist" and "materialist" modes—that took place in the eighteenth century, including consideration of such diversions as the "nut-shell" theory, and the doctrine of point masses of Bosovich. Ideas on elements, "principles", and "simple substances" are also treated. For the nineteenth century, there is a detailed discussion of Dalton's atomic theory, and the subsequent "atomic debates". Some account of the nineteenth-century chemical theories of bonding and structure is given, and finally there is a brief discussion of twentieth-century developments such as the advent of theories concerning sub-atomic particles, the Bohr theory of the atom, the quantum theory, and the wave/particle model.

Textbooks

Anrade Silva J. & Lochak G. *Quanta* Weidenfeld & Nicholson
Crossland M. P. ed *The Science of Matter: A Historical Study* Pelican
Thackray A. *Atoms and Powers* OUP

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 work of Vesalius in the mid-sixteenth century to that of Bernard in the mid-nineteenth century, with special emphasis on the development of physiology. Topics: the Vesalian tradition; the work of Harvey, with special reference to the circulation of the blood and the functioning of the heart; Descartes and the mechanization of biology; Malpighi, Hooke and early microscopy; Hales and plant physiology; theories of animal heat and respiration; the work of Haller, Bichat, Magendie and Bernard on animal physiology.

Textbooks

No set texts.

62.283

The History of 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 development of theories relating to generation and heredity, with special reference to the interplay of scientific, social and ideological factors. The course is largely concerned with the period from 1830 to 1930. Topics: the cell theory; sexual and asexual reproduction; 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; social, psychological and medical consequences of the differences between the sexes in human beings.

Textbooks

No set texts.

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.

Textbooks

Basson A. H. & O'Connor D. J. *Introduction to Symbolic Logic* University Tutorial Press

or
Any similar textbook of logic.
Brailhwaite R. B. *Scientific Explanation* Harper Torchbook
Hanson N. R. *Observation and Explanation* Allen & Unwin
Kuhn T. S. *The Structure of Scientific Revolutions* 2nd ed Chicago UP
Popper K. R. *The Logic of Scientific Discovery* Harper Torchbook

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 1800 to the present day. 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; the philosophical ancestry of some leading contemporary philosophers of science.

Preliminary Reading

Lossee J. A *Historical Introduction to the Philosophy of Science* OUP

Textbooks

No suitable textbooks are available.

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 1 units in mathematics or an approved science. *Co-requisite:* Advanced HPS A.

Two approved Upper Level units together with further work in mathematics or an approved science or 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 Subjects

A Historiography of Science.

B Honours Philosophy of Science.

2. Special Subjects

To be determined.

Combined Special Honours candidates take two of the seminars, including at least one of the general subjects, as determined by the Head of School. Special Honours candidates take the two general subjects together with either two of the special subjects or (with the approval of the Head of School) an Upper Level unit not previously completed. In addition, both Combined Special Honours and Special Honours candidates are required to complete a bibliographical exercise and present a thesis.

Industrial Relations

Undergraduate Study

15.511

Industrial Relations IA

Level 1 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.

Preliminary Reading

Hyman R. *Strikes* Fontana *

Martin R. *Trade Unions in Australia* Penguin *

*Paperback.

Portus J. H. *Australian Compulsory Arbitration 1900-1970* Hicks Smith & Sons

Textbooks

Hawkins K. *Conflict and Change: Aspects of Industrial Relations* Holt Rinehart & Winston *
Isaac J. E. & Ford G. W. eds *Australian Labour Relations Readings* 2nd ed Sun Books *
Rosow J. M. ed *The Worker and the Job: Coping with Change* Prentice-Hall
Walker K. F. *Australian Industrial Relations Systems* 2nd ed Harvard UP

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.

Preliminary Reading

Bloom G. & Northrup H. *Economics of Labor Relations* Richard Irwin
Clegg H. A. *The System of Industrial Relations in Great Britain* Blackwell
Howells J. M., Woods N. S. & Young F. J. L. *Labour and Industrial Relations in New Zealand* Pitman Pacific Books *
Walker K. *Australian Industrial Relations Systems* 2nd ed Harvard UP

Textbooks

No set texts. A reading list of journal articles and other material is supplied.

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.

Textbooks

Millen B. *The Political Role of Labor in Developing Countries* Brookings Institute
Sturmthal A. *Comparative Labor Movements—Ideological Roots and Institutional Development* Wadsworth
Sturmthal A. & Scoville J. eds *The International Labor Movement in Transition* Illinois UP

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 such as Women's Electoral Lobby Secret Ballot Society, etc.; 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.

Preliminary Reading

Bain G., Coates D. & Ellis V. *Social Stratification and Trade Unionism* Heinemann
Martin R. *Trade Unions in Australia* Penguin *
Rawson D. W. A. *Handbook of Australian Trade Unions and Employers' Associations* 2nd ed ANU *

Textbooks

Caiden G. E. *Public Employment Compulsory Arbitration in Australia* Michigan/Wayne State Univ. *
Isaac J. E. & Ford G. W. eds *Australian Labour Relations Readings* 2nd ed Sun Books *
McCarthy W. E. J. ed *Trade Unions* Penguin *
Mathews P. W. D. & Ford G. W. eds *Australian Trade Unions* Sun Books *

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.

Textbooks

Erickson H. *The Steward's Role in the Union* Exposition Press
Goodman J. F. B. & Whittingham T. G. *Shop Stewards* Pan Books *

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 course aims to draw on a range of simulation exercise material, case studies from Australia and overseas, and films of conflict resolution procedures in operation.

*Paperback.

Preliminary Reading

International Labour Office *Conciliation in Industrial Disputes* ILO *
 International Labour Office *Collective Bargaining* ILO *
 Isaac J. E. & Ford G. W. eds *Australian Labour Relations Readings* 2nd ed Sun Books *

Textbooks

Flanders A. ed *Collective Bargaining* Penguin *
 International Labour Office *Collective Bargaining in Industrialized Market Economies* ILO
 Riach P. A. & Howard W. A. *Productivity Agreements and Australian Wage Determination* Wiley *

15.538

Industrial Relations IIIA (Honours)

For students in the Industrial Relations Honours program. This course 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.

Textbooks

Brown W. *Piecework Bargaining* Heinemann
 Hyman R. *Disputes Procedure in Action* Heinemann
 Walton R. E. & McKersie R. B. *A Behavioral Theory of Labor Negotiations* McGraw-Hill

15.535

Industrial Relations IIIB

Contemporary issues in Industrial Relations. This course aims to integrate material covered in earlier courses with contemporary developments in Australian industrial relations. It will draw on material generated from recent industrial relations research to examine a limited number of topics in depth. Small seminar groups will be 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.

Preliminary Reading

Isaac J. E. & Ford G. W. eds *Australian Labour Relations Readings* 2nd ed Sun Books
 Niland J. R. & Isaac J. E. eds *Australian Labour Economics Readings* Sun Books

Textbooks

No set texts. A reading list of journal articles, reference texts and other material is supplied.

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.

Preliminary Reading

Myrdal G. *Objectivity In Social Research* Duckworth *
 Walker K. F. *Research Needs in Industrial Relations* Cheshire *

Textbooks

Derber M. *Research in Labor Problems in the US* Random House
 Stacey M. *Methods of Social Research* Pergamon *
 Moser C. A. & Kalton G. *Survey Methods In Social Investigation* 2nd ed Heinemann

15.580

Industrial Relations IV (Honours)

For students in the Industrial Relations Honours program. This course comprises a thesis and six segments: A Comparative Industrial Relations—Developed Countries; B Industrial Relations Case Studies A and C Industrial Relations Project Seminar A, offered in first session, and in second session D Comparative Industrial Relations—Less Developed Countries, E Industrial Relations Case Studies B and F Industrial Relations Project Seminar B.

A 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.

Preliminary Reading

Sturmthal A. *Comparative Labor Movements—Ideological Roots and Institutional Development* Wadsworth *
 Sturmthal A. & Scoville J. eds *The International Labor Movement in Transition* Illinois UP

Textbooks

Kassalow E. *Trade Unions and Industrial Relations—An International Comparison* Random House
 Windmuller J. P. *Collective Bargaining in Industrialized Market Economies—A Comparative Study of Methods and Practices* ILO Studies and Reports New Series No 80

B 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.

Preliminary Reading

Lane T. & Roberts K. *Strike at Pilkington* Fontana *
 Riach P. A. & Howard W. A. *Productivity Agreements and Australian Wage Determination* Wiley *

Textbooks

No set texts. A reading list of journal articles and other material is supplied.

C 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.

Textbooks

No set texts. A reading list of journal articles and other material is supplied.

*Paperback.

D 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.

Preliminary Reading

Millen B. *The Political Role of Labor in Developing Countries* Brookings Institute

Textbooks

Smith A. ed *Wage Policy Issues in Economic Development* St. Martin's Press
Turner H. A. *Wage Trends, Wage Policies and Collective Bargaining: The Problem for Underdeveloped Countries* C.U.P.

E 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.

Preliminary Reading

Walker K. F. *Australian Industrial Relations Systems* 2nd ed Harvard UP
Yerbury D. *Collective Negotiations in Australia: A System in Transition* McGraw-Hill

Textbooks

No set texts. A reading list of journal articles and other material is supplied.

F 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.

Textbooks

No set texts. A reading list of journal articles and other material is supplied.

G 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 marginal 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.

Preliminary Reading

Freeman R. B. *Labor Economics* Prentice-Hall
PHELPS Brown E. N. *The Economics of Labour* Yale University Press

Textbooks

McCormick B. J. & Smith E. O. eds *The Labour Market* Penguin *
Niland J. R. & Isaac J. E. eds *Australian Labour Economics Readings* Sun Books *
Rees A. *The Economics of Work and Pay* Harper & Row

**15.556
Manpower Policy**

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. This course may be offered in alternate years.

Preliminary Reading

Leviton S. & Taggart M. *Reality and Rhetoric in Manpower Policy* Johns Hopkins UP *
Niland J. R. & Isaac J. E. eds *Australian Labour Economics Readings* Sun Books *
Perlman R. *The Economics of Education* McGraw-Hill *

Textbooks

Blaug M. *An Introduction to the Economics of Education* Penguin *
Somers G. ed *Retraining the Unemployed* Wisconsin UP
Thurow L. *Investment in Human Capital* Wadsworth *

**15.557
Wages and Incomes Policy**

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. This course may be offered in alternate years.

Preliminary Reading

Clegg H. *How to Run an Incomes Policy* Heinemann *
Feltner W. et al *The Problem of Rising Prices* OECD
Niland J. R. & Isaac J. E. eds *Readings in Australian Labour Economics* Sun Books *

*Paperback.

Textbooks

- Galenson W. ed *Incomes Policy: What Can We Learn From Europe?* School of Industrial and Labor Relations Cornell Univ.
 Isaac J. E. *Wages and Productivity* Cheshire
 Ulman A. & Flanagan R. *Wage Restraint—A Study of Incomes Policy in Western Europe* California UP

15.565

Industrial Relations Sociology

The sociological aspects of employer-employee relations and industrial work. This course 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.

Preliminary Reading

- Allen V. L. *The Sociology of Industrial Relations* Longman *
 Best F. ed *The Future of Work* Prentice-Hall
 Faunce W. A. *Problems of an Industrial Society* McGraw-Hill

Textbooks

- Eldridge J. E. T. *Sociology and Industrial Life* Nelson
 Fox A. A. *Sociology of Work in Industry* Macmillan
 Faunce W. A. ed *Readings in Industrial Sociology* Meredith

15.566

Industrial Conflict

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. This course may be offered in alternate years.

Preliminary Reading

- Brown W. *The Earnings Conflict* Penguin *
 Hawkins K. *Conflict and Change: Aspects of Industrial Relations* Holt Rinehart & Winston *
 Hyman R. *Strikes* Fontana

Textbooks

- Boulding K. E. *Conflict and Defense: A General Theory* Harper & Row
 Dahrendorf F. *Class and Class Conflict in an Industrial Society* Routledge
 Kornhauser A., Dubin R. & Ross A. M. eds *Industrial Conflict* McGraw-Hill
 *Paperback

15.567

Social Aspects of Work and Unionism

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. This course may be offered in alternate years.

Preliminary Reading

- Burns T. ed *Industrial Man* Penguin *
 Howe I. ed *The World of the Blue Collar Worker* OUP *
 Martin R. M. *Trade Unions in Australia* Penguin *

Textbooks

- Bain G. S. *The Growth of White Collar Unionism* OUP *
 Barker S. R., Brown R. K. & Child J. *The Sociology of Industry* Allen & Unwin
 Warner M. ed. *The Sociology of the Workplace: An Interdisciplinary Approach* Allen & Unwin

15.571

Industrial Relations Theory

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. This course may be offered in alternate years.

Preliminary Reading

- Chamberlain N. W. & Cullen D. E. *The Labor Sector* McGraw-Hill

Textbooks

- Dunlop J. T. *Industrial Relations Systems* Holt
 Kerr C., Dunlop J. T., Harbison F. & Myers C. *Industrialism and Industrial Man* OUP and *Industrialism and Industrial Man Reconsidered*, Final Report of the Inter-University Study of Labor Problems in Economic Development, 1975.
 Somers G. ed *Essays in Industrial Relations Theory* Iowa State UP

15.572

Industrial Democracy

Different forms of worker involvement in management decision-making in Australia, Western Europe, Yugoslavia and North America. The topics covered 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;

*Paperback.

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. This course may be offered in alternate years.

Preliminary Reading

Jenkins D. *Job Power* Penguin *
 Pool M. *Workers Participation in Management* Routledge
 The Committee on Worker Participation in Management (Private Sector) *Worker Participation in Management* South Australian Government Printer *

Textbooks

Clarke R. O., Fatchett D. J. & Roberts B. C. *Worker Participation in Management in Great Britain* Heinemann
 Coates K. & Topham T. *The New Unionism: The Case for Worker Control* Penguin *
 Hunnius G., Garson D. & Case J. eds *Workers' Control: A Reader on Labour and Social Change* Random House

15.576

Labour History

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. This course may be offered in alternate years.

Preliminary Reading

Child J. *Unionism and the Labor Movement* MacMillan
 Harris J. *The Bitter Fight* Queensland UP
 Sutcliffe J. T. *A History of Trade Unionism in Australia* MacMillan *

Textbooks

Ebbels R. N. ed *The Australian Labor Movement 1850-1907* M.U.P.
 Fitzpatrick B. C. *A Short History of the Australian Labor Movement* Rawson's Bookshop

15.574

Industrial Relations Methods

This course is designed to enable evaluation and acquisition of methods and skills utilized in industrial relations practise. 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 practise; and conciliation and arbitration procedures. This course may be offered in alternate years.

Preliminary Reading

Fisher R. *Basic Negotiating Strategy* Penguin

Textbooks

No set texts. A reading list of journal articles and other material is supplied.

15.575

Industrial Relations Research Methodology

Principles, procedures, techniques and data sources used for research in the field of industrial relations.

Preliminary Reading

Hindess B. *The Use of Official Statistics: A Critique of Positivism and Ethnomethodology* MacMillan *
 Moser C. A. & Dalton G. *Survey Methods in Social Investigation* 2nd ed Heinemann
 Myrdal G. *Objectivity in Social Research* Duckworth *

Textbooks

Derber M. *Research in Labor Problems in the US* Random House
 Stacey M. *Methods of Social Research* Pergamon *

Mathematics

While Mathematics as a major study is usually taken in the Science Course, it may also be taken in the Faculty of Arts.

Undergraduate Study

First Year Mathematics

Level I units

10.001

Mathematics I

Calculus, analysis, analytic geometry, linear algebra, an introduction to abstract algebra, an introduction to computer programming.

Note

This is the standard course and is generally selected by students who intend to pursue further studies in mathematics. For entry into 10.001 Mathematics I, students are required to have passed HSC Mathematics at Level IIF or higher; or mathematics at Level IIS provided that the student's performance in mathematics and his general level of attainment are at standards acceptable to the Professorial Board. Students at the latter level are advised to undertake a bridging course before the beginning of lectures.

Preliminary Reading

Allendoerfer C. B. & Oakley C. O. *Principles of Mathematics* McGraw-Hill
 Bell E. T. *Men of Mathematics* 2 vols Pelican
 Courant R. & Robbins H. *What is Mathematics* OUP
 Polya G. *How to Solve It* Doubleday Anchor
 Sawyer W. W. *A Concrete Approach to Abstract Algebra* Freeman
 Sawyer W. W. *Prelude to Mathematics* Pelican

Textbooks

Blatt J. M. *Basic Fortran IV Programming* Miditran Version Computer Systems (Aust)
 Shields P. C. *Elementary Linear Algebra* 2nd ed Worth
 Thomas G. B. *Calculus and Analytic Geometry* 4th ed Addison-Wesley

*Paperback.

10.011**Higher Mathematics I (Day course only)**

Covers all the material in 10.001 Mathematics I, plus other topics, at greater depth and sophistication. Though this course starts where Level I of the Higher School Certificate ends, some Level IIF students with ability might find it within their capabilities.

While it is expected that students aiming at the Honours Level in mathematics will take this course, it would be equally valuable for any mathematically able student whose course requires a considerable amount of mathematics.

Calculus, analytic geometry, linear algebra, an introduction to abstract algebra, elementary computing.

Preliminary Reading

As for 10.001 plus:

Arnold B. H. *Intuitive Concepts in Elementary Topology*. Prentice-Hall

David F. N. *Games, Gods and Gambling* Griffin

Felix L. *The Modern Aspect of Mathematics* Science

Huff D. *How to Lie with Statistics* Gollancz

Reld C. *From Zero to Infinity* Routledge

Textbooks

Blatt J. M. *Basic Fortran IV Programming* Miditran Version Computer Systems (Aust)

Spivak M. *Calculus* Benjamin

10.021**Mathematics II**

Calculus, analysis, analytic geometry, algebra, probability theory, elementary computing.

This course provides for students who do not intend studying mathematics beyond first year but whose other studies require some knowledge of basic mathematical ideas and techniques.

The course assumes that the student has a mathematical background up to HSC Level IIS Mathematics only; entry is open to all with a Pass at this level or better. However, students who select this course should weigh seriously the implications of their choice because *no further mathematical units are normally available*.

Textbooks

Blatt J. M. *Basic Fortran IV Programming* Miditran Version Computer Systems (Aust)

Greening M. G. *First Year General Mathematics* NSWUP

Saltz D. *A Short Calculus* Goodyear

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

The minimum requirements for the Honours course in Pure Mathematics or Statistics 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, 10.121B, 10.121C Higher Pure Mathematics II, and 10.221A 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.

Permission to enter fourth year in Pure Mathematics is granted only on the recommendation of one of the Professors of Pure Mathematics. Such recommendation is not usually granted unless the student's record contains a satisfactory number of graded passes.

2. Honours Course in Statistics

In second year the student should take 10.321A and 10.321B Higher Theory of Statistics II, 10.111A and 10.111B Pure Mathematics II, or 10.121A and 10.121B Higher Pure Mathematics II, and 10.211A Applied Mathematics II or 10.221A Higher Applied Mathematics II; the student is strongly recommended to take also 6.801A Introduction to Computing. In third year the student should take four Level III units: 10.322B, 10.322C, 10.322E plus one of 10.322A or 10.322D; Higher Theory of Statistics, together with at least three Level III Mathematics units (Pure or Applied).

In all cases complementary units or subjects must be chosen in accordance with Faculty rules.

Students wishing to attempt Third Year Honours courses are advised to discuss their courses with a Professor of the Department of Statistics. Permission to enter the Fourth Year course in the Theory of Statistics is granted on the recommendation of a Professor of Statistics. Such permission will not usually be granted unless the applicant has obtained a graded Pass in 10.322 Higher Theory of Statistics III and the student's record contains a satisfactory number of graded passes.

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 IIS and IIF Mathematics and is a very useful refresher course generally. The course will be held at the University during the period January to February 1976.

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.

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 \$40 available in Theory of Statistics subjects.

Upper Level units

10.041

Introduction to Applied Mathematics

Combinatorial mathematics, finite differences, games and networks, hydrostatics, mathematical models.

Level II units

10.111A

Pure Mathematics II—Linear Algebra

Prerequisite: 10.001 or 10.011.

Vector Spaces: inner products, linear operators, spectral theory, quadratic forms. Linear Programming: convex sets and polyhedra, feasible solutions, optimality, duality.

Textbooks

Troppner A. M. *Linear Algebra* Nelson Paperback *

10.111B

Pure Mathematics II—Analysis

Prerequisite: 10.001 or 10.011.

Real analysis: partial differentiation, multiple integrals. Analysis of real valued functions of one and several variables. Complex analysis: analytic functions, Taylor and Laurent series, integrals, Cauchy's theorem, residues, evaluation of certain real integrals, maximum modulus principles.

Textbooks

Session 1

Kolman B. & Trench W. F. *Elementary Multivariable Calculus* Academic

Session 2

Churchill R. V. *Complex Variables and Applications* ISE McGraw-Hill

10.1111

Pure Mathematics II—Group Theory

Prerequisite: 10.001 or 10.011. *Co-requisites:* 10.111A, 10.111B, 10.211A.

Mathematical systems, groups, determination of small groups, homomorphisms and normal subgroups.

10.1112

Pure Mathematics II—Geometry

Prerequisite: 10.001 or 10.011. *Co-requisites:* 10.111A, 10.111B, 10.211A, 10.1111.

Elementary concepts of Euclidean, affine and projective geometries.

Textbook

Gans D. *Transformations and Geometries* Appleton-Century Crofts

10.121A

Higher Pure Mathematics II—Algebra

Prerequisite: 10.011.

Linear Algebra: vector spaces, commutative rings, polynomials, modules, linear transformations, eigen vectors, invariant subspaces, canonical forms, linear functions, bilinear and multi-linear algebra. Group Theory: sub-groups, quotient groups, isomorphisms, Lagrange's theorem, Sylow's theorem.

Textbooks

Clark A. *Elements of Abstract Algebra* Wadsworth
Hoffman K. & Kunze R. *Linear Algebra* Prentice-Hall

10.121B

Higher Pure Mathematics II—Real and Complex Analysis

Prerequisite: 10.011.

Construction of reals; uniform convergence; implicit and inverse function theorems; analytic functions; Laurent and Taylor series; calculus of residues.

Textbooks

Session 1

Williamson R. E., Crowell R. H. & Trotter H. F. *Calculus of Vector Functions* Prentice-Hall

Session 2

Knopp K. *Elements of the Theory of Functions* Dover

10.121C

Higher Pure Mathematics II—Number Theory and Geometry

Prerequisite: 10.011. *Co-requisites:* 10.121A, 10.121B and 10.221A or 10.211.

Galois fields, quadratic reciprocity, quadratic forms, continued fractions, number theoretic functions, axioms for a geometry, affine geometry, Desargues' theorem, projective geometry.

10.211A

Applied Mathematics II—Mathematical Methods

Prerequisite: 10.001.

Review of functions of two and three variables, divergence, gradient, curl; line, surface, and volume integrals; Green's and Stokes' theorems. Special functions, including gamma and Bessel functions. Differential equations and boundary value problems, including vibrating string and vibrating circular membrane; Fourier series.

Textbooks

Blatt J. M. *Basic Fortran IV Programming* Midtran Version Computer Systems Aust
Sneddon I. N. *Fourier Series* Routledge & Kegan Paul
Spiegel M. R. *Theory and Problems of Vector Analysis* Schaum
Spiegel M. R. *Advanced Mathematics for Scientists and Engineers* Schaum

*Paperback.

10.211B

Applied Mathematics II—Analytical Dynamics

Prerequisites: 10.001, 1.001. *Co-requisite:* 10.211A.

Kinematics of particles and rigid bodies. Dynamics of particles, including simple harmonic motion and motion in a central force field. Dynamics of systems of particles, conservation principles, collisions, rocket motion. Dynamics of rigid bodies, including compound pendulum and Euler's equations. Lagrange's and Hamilton's equations.

Textbook

Smith R. C. & Smith P. *Mechanics* Wiley

10.211C

Applied Mathematics II—Hydrodynamics

Prerequisites: 10.001, 1.001 or 10.041 or 5.010. *Co-requisites:* 10.211A, 10.111B.

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.

Textbook

Prandtl L. & Tietjens O. G. *Fundamentals of Hydro- and Aero-mechanics* Dover

10.221A

Higher Applied Mathematics II—Mathematical Methods

Prerequisite: 10.011.

As for 10.211A, but in greater depth.

Textbooks

Queen N. M. *Vector Analysis* McGraw-Hill
Rabenstein A. L. *Introduction to Ordinary Differential Equations* International Edition Academic

10.221B

Higher Applied Mathematics II—Analytical Dynamics

Prerequisites: 10.011, 1.011. *Co-requisite:* 10.221A or 10.211A.

As for 10.211B, but in greater depth.

Textbook

Symon K. R. *Mechanics* 3rd ed Addison-Wesley

10.221C

Higher Applied Mathematics II—Hydrodynamics

Prerequisites: 10.011 or 10.001 *Dist.*, 1.001 or 10.041 or 5.010. *Co-requisite:* 10.221A or 10.211A, 10.121B or 10.111B.

As for 10.211C, but in greater depth.

Level III units

10.1121

Pure Mathematics III—Number Theory

Prerequisite: ***. *Co-requisites:* 10.111A, 10.111B, 10.211A.

Euclidean algorithm, congruences, sums of squares, diophantine equations.

10.1122

Pure Mathematics III—Algebra

Prerequisites: 10.111A. *Co-requisites:* 10.111B, 10.1111, 10.211A.

Rings, polynomials, fields.

Textbook

Dean R. A. *Elements of Abstract Algebra* Wiley

10.112B

Pure Mathematics III—Real Analysis

Prerequisites: 10.111A, 10.111B. *Co-requisite:* 10.211A.

Convergence of sequences and series; Taylor series; metric spaces; contraction mapping principle sequences and series of functions; uniform convergence; Fourier series.

Textbook

Ball D. G. *An Introduction to Real Analysis* Pergamon

10.112C

Pure Mathematics III—Differential Geometry

Prerequisites: 10.111A, 10.111B. *Co-requisite:* 10.211A.

Curves and surfaces in space. Differential forms. Frame fields. Gaussian curvature, Gauss-Bonnet theorem.

Textbook

O'Neill B. *Elementary Differential Geometry* Academic

10.1123

Pure Mathematics III—Set Theory

Prerequisite: ***. *Co-requisites:* 10.111A, 10.111B, 10.211A.

Intuitive and axiomatic Set Theory. Cardinal and ordinal numbers. The axiom of choice.

Textbook

Gray J. D. *Lecture Notes on Set Theory and Transfinite Arithmetic* Author

10.1124

Pure Mathematics III—Combinatorial Topology

Prerequisite: 10.111B. *Co-requisites:* 10.111A, 10.211A.

Elementary combinatorial topology of surfaces.

***Students are not normally permitted to attempt a Level III Pure Mathematics unit unless they have completed at least one Level II unit from 10.111A, 10.111B and 10.211A and are concurrently attempting the remaining units of these three units.

10.1125

Pure Mathematics III—Ordinary Differential Equations

Prerequisite: ***. *Co-requisite:* 10.112B.

Systems of ordinary differential equations; variations of constants formula; stability; Poincaré space; Lyapunov's direct method.

Textbook

Rubinstein Z. *A Course in Ordinary and Partial Differential Equations* Academic

10.1126

Pure Mathematics III—Partial Differential Equations

Prerequisite: ***. *Co-requisites:* 10.112B, 10.1125.

Systems of partial differential equations; characteristic surfaces; classifications; Cauchy problem; Dirichlet and Neumann problems; the maximum principle; Poisson's formula; conformal mapping.

Textbook

Rubinstein Z. *A Course in Ordinary and Partial Differential Equations* Academic

10.1127

Pure Mathematics III—History of Mathematics

Prerequisites: 10.111A, 10.111B, 10.211A.

Topics from the History of Mathematics, with emphasis on the development of those ideas and techniques used in undergraduate courses. Students will be expected to read widely and to present written material based on their readings.

10.122A

Higher Pure Mathematics III—Algebra

Prerequisite: 10.121A.

Field theory and theory of rings and modules.

Textbook

Stewart I. *Galois Theory* Chapman & Hall

10.122B

Higher Pure Mathematics III—Integration and Functional Analysis

Prerequisite: 10.121B.

Lebesgue Integration; Fourier series; normed vector spaces; Hilbert spaces; measure theory.

***Students are not normally permitted to attempt a Level III Pure Mathematics unit unless they have completed at least one Level II unit from 10.111A, 10.111B and 10.211A and are concurrently attempting the remaining units of these three units.

10.122C

Higher Pure Mathematics III—Topology and Differential Geometry

Prerequisites: 10.121A, 10.121B.

The axiom of choice, metric and topological spaces, compactness. Compact surfaces, triangulations, geodesics, Gauss-Bonnet theorem.

Textbook

Dugundji J. *Topology* Allyn & Bacon

10.122E

Higher Pure Mathematics III—Complex Analysis and Differential Equations

Prerequisite: 10.121B.

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.

Textbooks

Session 1

Knopp K. *Theory of Functions Part II* Dover

Session 2

Roxin E. O. *Ordinary Differential Equations* Wadsworth

10.212A

Applied Mathematics III—Numerical Analysis

Prerequisites: 10.111A, 10.211A.

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.

Textbook

Conte S. D. & de Boor C. *Elementary Numerical Analysis* 2nd ed McGraw-Hill

10.212D

Applied Mathematics III—Mathematical Methods

Prerequisites: 10.211A, 10.111A, 10.111B.

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.

Textbooks

Rabenstein A. L. *Introduction to Ordinary Differential Equations* Academic Press

Stephenson G. *An Introduction to Partial Differential Equations for Science Students* 2nd ed Longman *

*Paperback.

10.212L**Applied Mathematics III—Optimization Techniques**

Prerequisites: 10.211A, 10.111A, 10.111B.

Origins of optimization problems. The Simplex Algorithm. Duality. Transportation problems. Numerical methods. Non-linear programming. The Kuhn-Tucker theorem. Computational algorithms. Introduction to dynamic programming. Network problems.

Textbook

Cooper L. & Steinberg D. *Introduction to Methods of Optimization* Saunders

10.222A**Higher Applied Mathematics III—Numerical Analysis**

Prerequisites: 10.221A, 10.121A.

As for 10.212A but in greater depth.

10.222C**Higher Applied Mathematics III—Maxwell's Equations and Special Relativity**

Prerequisites: 10.221A, 10.121B, 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.

10.222D**Higher Applied Mathematics III—Mathematical Methods**

Prerequisites: 10.221A, 10.121A, 10.121B.

Functions of a complex variable, contour integration. Fourier, Laplace and Mellin transforms, solutions of ordinary and partial differential equations. Asymptotic expansions.

10.222F**Higher Applied Mathematics III—Quantum Mechanics**

Prerequisites: 10.221A, 10.121A, 10.121B. *Co-requisite:* 10.222D.

Review of physical basis for quantum mechanics, simple harmonic oscillator, hydrogen atom. General formalism, angular momentum, perturbation theory and other approximation methods. Scattering problems.

Textbook

Merzbacher E. *Quantum Mechanics* 2nd ed Wiley

10.222L**Higher Applied Mathematics III—Optimization Techniques**

Prerequisites: 10.221A, 10.121A, 10.121B.

As for 10.212L but in greater depth.

Textbook

Luenberger D. G. *Introduction to Linear and Nonlinear Programming* Addison-Wesley

10.412A**Theoretical Mechanics III—Dynamical and Physical Oceanography**

Prerequisites: 10.211A or 10.221A, 1.001 or 1.011. It is recommended that one of the following be taken concurrently: 10.211C or 10.221C or 1.112C or 1.143F.

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: 10.211A, 10.111A, 10.111B. *Co-requisite:* 10.211C or 1.143F or 1.112C.

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).

10.422A**Higher Theoretical Mechanics III—Fluid Dynamics**

Prerequisites: 10.221C or 10.211C *Dist. Co-requisite:* 10.422B.

Continues on from 10.221C. Includes compressible flow, viscous flow, boundary layers, hydrodynamic stability, simple wave motions in fluids.

Textbook

Batchelor G. K. *An Introduction to Fluid Dynamics* C.U.P.*

*Paperback.

10.422B

Higher Theoretical Mechanics III— Mechanics of Solids

Prerequisites: 10.111A, 10.111B, 10.211A, 10.221B or 10.211B Dist., or 1.222C or 1.112C Dist.

As for 10.412B but in greater depth.

10.123

Pure Mathematics IV (Honours)

Specialized study in selected topics for students planning to graduate with honours.

For textbooks, see lecturers concerned.

Statistics

Students majoring in Theory of Statistics select Mathematics and Statistics courses in accordance with the table set out earlier.

10.311A

Theory of Statistics II—Probability and Random Variables

Prerequisites: 10.001 or 10.011 or 10.021(Cr).

An introduction to an axiomatic treatment of probability. Variables (univariates, multivariates, expectations, moment generating and characteristic functions). Standard distributions. Sampling distributions.

Preliminary Reading

Moroney M. J. *Facts from Figures* Pelican

Mosteller F. ed *Statistics by Example* Vols 1-4 Addison-Wesley

Schmidt M. J. *Understanding and Using Statistics* Heath

Tanur J. M. ed *Statistics: A Guide to the Unknown* Holden-Day

Textbooks

Larson H. J. *Introduction to Probability and Statistical Inference* 2nd ed Wiley

Statistical Tables

10.311B

Theory of Statistics II—Statistical Inference

Prerequisites: 10.001 or 10.011 or 10.021(Cr), 10.311A or 10.321A.

Point estimation (moments, maximum likelihood, minimum χ^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.

Textbooks

Larson H. J. *Introduction to the Theory of Statistics* Wiley

Larson H. J. *Introduction to Probability and Statistical Inference* 2nd ed Wiley

Statistical Tables

10.321A

Higher Theory of Statistics II—Probability and Random Variables

Prerequisite: 10.001 or 10.011.

10.311A at greater depth and covering a slightly wider field.

Preliminary Reading

As for 10.311A.

Textbooks

Hogg R. V. & Craig A. T. *Introduction to Mathematical Statistics* 3rd ed Collier-Macmillan

Kendall M. G. & Stuart A. *The Advanced Theory of Statistics* Vol 1 2nd ed Griffin

Larson H. J. *Introduction to Probability and Statistical Inference* 2nd ed Wiley

Larson H. J. *Introduction to the Theory of Statistics* Wiley

Statistical Tables

10.321B

Higher Theory of Statistics II—Statistical Inference

Prerequisites: 10.001 or 10.011, 10.321A.

As for 10.311B at greater depth, and covering a slightly wider field.

Textbooks

Hogg R. V. & Craig A. T. *Introduction to Mathematical Statistics* 3rd ed Collier-Macmillan

Kendall M. G. & Stuart A. *The Advanced Theory of Statistics* Vol 2 2nd ed Griffin

Larson H. J. *Introduction to Probability and Statistical Inference* 2nd ed Wiley

Larson H. J. *Introduction to the Theory of Statistics* Wiley

Statistical Tables

10.331

Statistics SS

Prerequisite: 10.001 or 10.011 or 10.021(Cr).

The theory of probability, with finite, discrete and continuous sample spaces. The standard elementary univariate distributions: binomial, Poisson and normal; an introduction to multivariate distributions. Standard sampling distributions, including those of χ^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.

Textbooks

Freund J. E. *Mathematical Statistics* 2nd ed Prentice-Hall or

Kreigz E. *Introductory Mathematical Statistics* Wiley

Statistical Tables

10.321A

Theory of Statistics III—Probability and Stochastic Processes

Prerequisites: 10.311A or 10.321A, 10.111A or 10.121A, 10.111B or 10.121B, 10.211A or 10.221A.

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. Renewal processes. Elementary treatment of Markov chains. Birth-and-death processes. Queueing theory.

Textbooks

Bailey N. T. J. *Elements of Stochastic Processes with Application of the Natural Sciences* Wiley
Heathcote C. R. *Probability: Elements of the Mathematical Theory* Allen & Unwin

10.312B

Theory of Statistics III—Experimental Design (Applications) and Sampling

Prerequisite: 10.311B or 10.321B or 10.331 (normally (Cr)).
Co-requisite: 10.211A or 10.221A.

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 or 10.321B, 10.111A or 10.121A, 10.111B or 10.121B, 10.211A or 10.221A. *Co-requisites:* 10.312B or 10.322B, plus any two level III Pure Mathematics or Applied Mathematics units.

Matrix theory. Cochran-James theorem. Multivariate normal. Quadratic forms. Independence. The General Linear Hypothesis. Gauss-Markov theorem. Hypothesis testing. Analysis of variance.

Textbook

Graybill F. A. *An Introduction to Linear Statistical Models* McGraw-Hill

10.312D

Theory of Statistics III—Probability Theory

Prerequisites: 10.311A or 10.321A, 10.111A or 10.121A, 10.111B or 10.121B, 10.211A or 10.221A.

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.

Textbook

Heathcote C. R. *Probability: Elements of the Mathematical Theory* Allen & Unwin

10.312E

Theory of Statistics III—Statistical Inference

Prerequisites: 10.311B or 10.321B, 10.111A or 10.121A, 10.111B

or 10.121B, 10.211A or 10.221A. *Co-requisites:* Any two Level III Pure Mathematics or Applied Mathematics units.

Bayesian inference and decision theory. Classical inference. Contingency tables (large sample and exact tests). Order Statistics. Non-parametric methods.

Textbooks

Mood A. M., Graybill F. A. & Boes D. C. *Introduction to the Theory of Statistics* 3rd ed McGraw-Hill
Kendall M. G. & Stuart A. *The Advanced Theory of Statistics* Vol 2 Griffin

10.322A

Higher Theory of Statistics III—Probability and Stochastic Processes

Prerequisites: 10.321A, 10.111A or 10.121A, 10.111B or 10.121B, 10.211A or 10.221A.

As for 10.312A, but in greater depth.

Textbooks

Bailey N. J. T. *Elements of Stochastic Processes with Applications to the Natural Sciences* Wiley
Heathcote, C. R. *Probability: Elements of the Mathematical Theory* Allen & Unwin

10.322B

Higher Theory of Statistics III—Experimental Design (Applications) and Sampling

Prerequisites: 10.321B, 10.111A or 10.121A, 10.111B or 10.121B, 10.211A or 10.221A.

As for 10.312B, but in greater depth.

Textbook

Cochran W. G. & Cox G. M. *Experimental Designs* ISE Wiley

10.322C

Higher Theory of Statistics III—Experimental Design (Theory)

Prerequisites: 10.321B, 10.111A or 10.121A, 10.111B or 10.121B, 10.211A or 10.221A. *Co-requisites:* 10.322B plus any two Level III, Pure Mathematics or Applied Mathematics units.

As for 10.312C, but in greater depth.

Textbook

As for 10.312C.

10.322D

Higher Theory of Statistics III—Probability Theory

Prerequisites: 10.321A, 10.111A or 10.121A, 10.111B or 10.121B, 10.211A or 10.221A.

As for 10.312D, but in greater depth.

Textbook

Heathcote C. R. *Probability: Elements of the Mathematical Theory* Allen & Unwin

10.322E**Higher Theory of Statistics III—Statistical Inference**

Prerequisites: 10.321B, 10.111A or 10.121A, 10.111B or 10.121B, 10.211A or 10.221A. *Co-requisites:* Any two Level III Pure Mathematics or Applied Mathematics units.

As for 10.312E but in greater depth.

Textbook

As for 10.312E.

10.323**Theory of Statistics IV (Honours)**

Specialized study, from the topics set out, for students attempting honours in the Science or Arts courses with a major in Statistics. Mathematical basis. Experimental design; response surfaces. Stochastic processes. Theories of inference. Sequential analysis. Non-parametric methods. Multivariate analysis. Mathematical programming. Information theory. Discrete distributions. Project.

Textbooks

No set texts. Students are advised by their lecturers.

Graduate Study**10.061G****Advanced Mathematics for Electrical Engineers†**

Boundary value problems in partial differential equations. Selected topics from complex variable analysis, integral transforms and orthogonal functions and polynomials.

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.

10.181G**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-Weierstrass 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**

The concept of "characters of finite groups", partly from a historical point of view; linear representations, fundamental

properties of character tables. Examination of the original papers of Frobenius. Application to the theory of crystals.

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 (e.g. 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**

Quadratic residues, quadratic reciprocity, sum of two squares, Pell's equation, continued fractions and rational approximations, quadratic forms. Algebraic numbers and integers, integral bases, units and prime factorization, ideals. Surveys of prime number theory and primes in an arithmetic progression.

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; Riemann surfaces; Winding numbers and Brouwer degree; Brouwer Fixed Point Theorem; Ham Sandwich Theorem; vector fields on surfaces and stability of differential equations; critical points on surface; network topology; boundaries and coboundaries.

†May not be offered in 1976.

10.189G**Seminar**

Each student submits a paper for discussion, usually on the teaching of a certain topic.

10.281G**Mathematical Methods**

Orthogonal systems of functions; completeness; (Legendre, Bessel, Hermite, Chebyshev 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.

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.

10.361G**Statistics**

Probability theory; a survey of random processes with engineering applications—processes in discrete and continuous time. Markov processes, ergodicity, stationarity, auto-correlation, power spectra; estimation of auto-correlation and power spectra.

10.371G**Statistics**

Revision of probability and distribution theory, including estimation and hypothesis testing. Extension of this to include topics such as more complex probabilistic modelling, analyses of modified data (censored, truncated and missing observations), general statistical inference (decision theory), acceptance testing, and reliability analysis (hazard functions).

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 randomisation; 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 randomised design, the randomised block design, the 2^2 factorial fully randomised design, and the fully randomised 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.

10.373G**The Interpretation of Experimental Data**

Basic concepts, potential theory, Hilbert Transforms: Interpolation of time series; interpretation of field data, eg "smoothing" procedures, noise elimination; filter theory, reduction of field data; approximation techniques, eg evaluation of slowly convergent series, estimation of geometric properties of equations.

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. Wilcoxon 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

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 courses in philosophy are designed to make it possible for students to pursue a philosophical interest related to their other interests.

Students new to University who are taking Philosophy for the first time and wish to proceed to Upper Level work in it are recommended to enrol for two Level I half-units in each session of their first year, together with suitable supporting subjects. Students who do not take Philosophy in Session 1 may, however, still qualify for admission to Upper Level units by passing two or more Philosophy half-units in Session 2.

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 after passing two Level I half-units in either session.

At Upper and Advanced 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 or Advanced 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 subject 62.503 Philosophy of Science taught by the School of History and Philosophy of Science, may be counted towards a Philosophy major sequence as an Upper Level unit (equivalent to two Philosophy half-units).

Admission to half-units designated as "Advanced Level" is by permission of the School, normally based on a credit level performance in two or more Upper Level half-units already taken.

Selection of Units

The following details will assist students with their initial choice of half-units at Upper Level.

The half-units available in Session 1 having no prerequisite apart from Level I studies are:

- 52.153 Predicate Logic;
- 52.163 Descartes;
- 52.173 British Empiricism;
- 52.183 Greek Philosophy: Thales to Plato;
- 52.193 Scientific Method;
- 52.203 Introduction to Political Philosophy.

Of these, Predicate Logic is prerequisite to a range of advanced logic half-units, and Introduction to Political Philo-

sophy caters in particular for those who wish to progress to other half-units in this area. Greek Philosophy: Thales to Plato is prerequisite to a later course on Plato. Descartes and British Empiricism are also prerequisites, alone or as alternatives to certain other half-units. Students who plan to take a full Philosophy major sequence will consequently need to consider what half-units they may wish to take later. Intending Honours students should expect to include Predicate Logic at some stage and should plan to meet the prerequisites they will encounter in their Honours year.

Provision is made for a full sequence of half-units in logic, namely, Predicate Logic, Set Theory, Model Theory and Foundations of Mathematics. The half-unit Argument caters for those with a less mathematically-orientated interest in the subject.

Historical studies are catered for by the half-units Greek Philosophy, Plato, Descartes, British Empiricism, Spinoza and Leibniz, History of Modern Logic, History of Traditional Logic, Logical Atomism, Wittgenstein and Sartre, which can be arranged into sequences in various ways. Courses in Political Philosophy are also offered.

The half-units not so far mentioned deal with particular issues or philosophical views. They are: Philosophy of Psychology, Philosophy of Biology, Aesthetics, Philosophy of Perception, Privacy and Other Minds, and Oppression and Liberation. The half-units at Advanced Level consist of seminar courses on topics which vary from year to year based on recent articles in philosophical journals.

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, including at least two Advanced Level half-units, with a good overall credit record; 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 course: in his fifth and sixth sessions the intending Honours student should expect to devote the greater part of his program to philosophy, to a maximum of 2½ units in each session.

Level I units

52.151

Plato

Prerequisite: None.

A study of some dialogues of Plato with special reference to conceptions of the soul, and their implications for views on morals, politics, education and theory of knowledge.

Textbook

Plato *The Last Days of Socrates* Tredennick H. trans Penguin Classic

52.161

Informal Logic

Prerequisite: None.

An approach to logic by way of language, treating such topics as the uses of utterances, the truth and significance

conditions of statements, the non-formal analysis of arguments, and the logical relations of propositions.

52.171

Philosophy of Religion

Prerequisite: None.

The philosophy of religion consists in the attempt to answer certain questions. Among these questions are the following: Can it be proved that God exists or proved that he does not? Are "God is benevolent" and "There is evil" incompatible in the sense that everyone who holds that both statements are true contradicts himself?

Can we make sense of the notion of the survival of our own death?

Are such statements as "God loves us" meaningful? and do they also express something either true or false as opposed to being merely an expression of our own feelings? These are just a selection from the questions that will be examined in this course. The course will be conducted by seminars, lectures and tutorials and will be assessed on the basis of essays.

Textbook

Weinberg J. R. & Yandell K. E. eds *Philosophy of Religion* Holt Rinehart Winston

52.152

Hume

Prerequisite: None.

Sections of Hume's *Enquiry*. Topics discussed may include: the miraculous and the existence of God, the mind-body problem and personal identity, the freedom of the will.

Textbook

Hume D. *On Human Nature and the Understanding* Flew A. ed Collier

52.162

Formal Logic

Prerequisite: None.

An introduction to a system of natural deduction sufficient for the symbolization of such ordinary language arguments and the construction of such proofs as lie within the field of propositional logic and simple predicate logic.

Textbook

Kalish D. & Montague R. *Logic: Techniques of Formal Reasoning* Harcourt Brace & World

52.172

Early Greek Philosophy

Prerequisite: None.

The leading ideas of the Presocratic philosophers, with special attention to the conceptions embodied in such words as *arche*, *physis*, *moira*, *cosmos*, *enantia*, *peras*, *logos*, *eidos* and *einai*.

Textbook

Kirk G. S. & Raven G. E. *The Presocratic Philosophers* C.U.P.

52.182

Political Philosophy

Prerequisite: None.

A survey of some classic political philosophers from the modern period.

Text and references will be notified.

Upper Level units

52.153

Predicate Logic

Prerequisite: Upper Level status in Philosophy** and 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.

Textbook

Kalish D. & Montague R. *Logic: Techniques of Formal Reasoning* Harcourt Brace & World

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.

Textbook

Anscombe G. E. M. & Geach P. T. eds *Descartes' Philosophical Writings* Nelson

52.173

British Empiricism

Prerequisite: Upper Level status in Philosophy**.

A survey of the empiricist tradition with special concentration on Locke and Berkeley.

Textbooks

Armstrong D. M. *Berkeley's Philosophical Writings* Collier *
Locke J. *An Essay Concerning Human Understanding* Fontana

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.

Textbooks

Hempel C. G. *Philosophy of Natural Science* Prentice-Hall
Ryan A. ed *Philosophy of Social Explanation* OUP

52.203

Introduction to Political Philosophy

Prerequisite: Upper Level status in Philosophy**. Not available to students who have taken 52.182.

A survey course introducing students to the main themes of modern political and social thought with special emphasis on philosophical issues.

52.213

Sartre

Prerequisite: 52.163.

Sartre's account of man-in-the-world. Sartre's ontology, his use of a phenomenological method and his ethics.

Textbooks

Cumming R. D. ed *The Philosophy of Jean-Paul Sartre* Methuen
Manser A. *Sartre, A Philosophic Study* Athlone Press

52.223

Foundations of Mathematics

Prerequisite: 52.153.

A selection of problems concerning the foundations of Mathematics including the following topics: Non-Euclidean Geometry and consistency proofs, Axiomatics, Antinomies of naive set theory, Logicism, Intuitionism, Formalism, Gödel's Incompleteness result.

Textbook

Wilder R. S. *An Introduction to the Foundations of Mathematics* Wiley

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.

**Upper Level status in Philosophy consists in 1. being in second or later year of university study, and 2. having taken and passed two Level I Philosophy half-units in the same session. This prerequisite may be waived in certain cases by the School.

*Paperback.

52.243

Logical Atomism

Not offered in 1976.

Prerequisite: Upper Level status in Philosophy**.

The logical atomism of Russell and Wittgenstein and of the logical positivist movement.

Textbooks

Pears D. ed *Russell's Logical Atomism* Fontana
Wittgenstein L. *Tractatus Logico-Philosophicus* Pears D. F. & McGuinness B. F. trans Routledge

52.253

Philosophy of Biology

Prerequisite: Upper Level status in Philosophy**.

An introduction to some of the problems associated with the philosophy of biology. Main consideration is the autonomy of biology; i.e., whether biology is in principle reducible to the physical sciences and, ultimately, to physics, or whether the biologist necessarily employs types of description and explanation that have no application in the explanation and description of merely physical phenomena. No prior knowledge of biology is assumed but candidates will be expected to familiarize themselves with the attitudes of various biologists to these issues.

Textbook

Nagel E. *The Structure of Science* Routledge

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. Whitaker's *Psychology* will be of value to students.

Textbook

Fodor J. A. *Psychological Explanation* Random House

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.

Textbook

Rader M. ed *A Modern Book of Aesthetics* Holt Saunders

52.283

Philosophical Study of Woman

Prerequisite: 52.203 or 52.493.

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.

Textbooks

Plato *Theaetetus* McDowell J. trans OUP
Plato *Parmenides and Other Dialogues* Warrington J. trans Everyman

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.

Textbooks

Leibniz G. W. *Philosophical Writings* Parkinson G. H. R. ed Everyman
Spinoza B. *Ethics and On the Improvement of the Understanding* Both available in *Works of Spinoza* Elwes R. H. M. trans Dover

52.313

Ethics of Politics

Prerequisite: 52.203. (May be waived, with permission, for students who have already studied political philosophy.)

A study of ethics and its relation to politics in the work of Hume, Kant and Hegel.

52.323

Set Theory

Prerequisite: 52.153.

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.

Textbook

Suppes P. *Axiomatic Set Theory* Van Nostrand

52.333

Philosophy of Perception

Not offered in 1976.

Prerequisite: 52.163 or 52.173.

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 two Level I Philosophy half-units in the same session. This prerequisite may be waived in certain cases by the School.

Arts

Textbook

There is no set text, but each student should, in consultation with the lecturer, select at least one reference book for especially close reading.

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.

Textbooks

Ayer A. J. *The Foundations of Empirical Knowledge* Any edition

Ayer A. J. *The Problem of Knowledge* Any edition

Strawson P. F. *Individuals: An Essay in Descriptive Metaphysics* Methuen *

52.353

History of Modern Logic

Prerequisite: 52.153.

A historical treatment of selected topics in logic since Boole, with particular reference to Frege, Russell and Wittgenstein.

Textbook

Kneale W. & M. *The Development of Logic* OUP

52.363

Wittgenstein

Prerequisite: 52.243.

A study of some themes in the later philosophy of Wittgenstein.

Textbooks

Coope C. et al *A Wittgenstein Workbook* Blackwell

Wittgenstein L. *Philosophical Investigations* Blackwell

52.373

Philosophical Foundations of Marx's Thought

Prerequisite: 52.203. (May be waived, with permission, for students who have already studied political philosophy.)

A study of Marx's thought with special reference to philosophical issues, and philosophical origins.

52.383

Twentieth Century Marxist Philosophy

Prerequisite: 52.203. (May be waived, with permission, for students who have already studied political philosophy.)

A study of selected twentieth century Marxist theorists with reference to philosophical problems in the fields of ethics, science, history, and politics. Particular attention will be paid to the debate on the nature and philosophical implications of

the rediscovered Hegelian origins of Marxism, from Lukacs and Korsch to Althusser. Other authors to be studied include Gramsci, Sartre and Marcuse.

52.393

History of Traditional Logic

Prerequisite: 52.153.

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.

Textbook

Kneale W. & M. *The Development of Logic* OUP

52.403

Model Theory

Prerequisite: 52.323.

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.

Textbook

Mendelson E. *Introduction to Mathematical Logic* Van Nostrand

52.413

Reading Option

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.

Advanced Level units

52.423

Seminar A

Admission by permission, based on a credit record in Upper Level units. A study of topics of contemporary interest mainly from selected journal articles. Students are expected to contribute papers.

52.433

Seminar B

Admission by permission, based on a credit record in Upper Level units. A study of topics of contemporary interest mainly from selected journal articles. Students are expected to contribute papers.

52.443

Seminar C

Admission by permission, based on a credit record in Upper

*Paperback.

and/or Advanced Level units. A study of topics of contemporary interest mainly from selected journal articles. Students are expected to contribute papers. May be combined with 52.423 Seminar A.

52.453

Advanced Reading Option

Admission by permission, to suitable students with a credit record in Upper and/or Advanced Level units.

52.463

Introduction to Transformational Grammar

Prerequisite: Any Level I unit.

Transformational grammar from the beginning: its history, goals, theory, and practice. The emphasis will be on understanding and constructing arguments for one transformational system over another.

Textbook

Jacobs R. & Rosenbaum P. *English Transformational Grammar* Blaisdell

52.473

Semantics of Natural Language

Prerequisite: 52.153 or 52.463.

A study of recent developments in that area which is the common concern of linguistics, logic and the philosophy of language. Topics include the goals of linguistic theory, the relevance of formal logic to natural language, and truth, meaning, and presupposition in natural language.

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.

Textbook

Plato *The Last Days of Socrates* Tredennick H. trans Penguin

52.493

Existentialism

Prerequisite: Upper Level status in Philosophy**.

An attempt will be made to trace the historical origins of Existentialism, firstly by studying the ethical foundations in writings of Søren Kierkegaard and Friedrich Nietzsche, and secondly the epistemological foundations in Husserl's phenomenology. The confluence of these two streams in the writings of the French philosopher Jean-Paul Sartre will then be examined and also the influence of existentialism on modern psychiatry and theology will be discussed. The course will be conducted by seminars and assessed by essays.

Textbook

Warnock M. *Existentialism* Oxford Opus 52

52.503

Utopias

Prerequisite: Upper Level status in Philosophy**; and 52.182 or 52.203.

Traces the various developments in utopian theory by studying the acknowledged classics in the field, eg Edward Bellamy's *Looking Backward*, William Morris's *News from Nowhere*, and examining the arguments of the critics of Utopia, eg Karl Marx, Karl Popper. The practical details of utopian settlements, especially those created in the "New World", like Robert Owens' New Heaven and the Rappite community's Harmony. This course is conducted through seminars and assessed by essays.

Textbook

Manuel E. ed *Utopias and Utopian Thought* Beacon Press

Honours Level units

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, including at least two Advanced Level half-units, with a good overall credit record; 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 1976 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.).

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 two Level I Philosophy half-units in the same session. This prerequisite may be waived in certain cases by the School.

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: Science Faculty Entrance.

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 Kirchhoff's Laws to AC and DC circuits. Uniform circular motion, Kepler's Laws and Rotational mechanics.

The application of wave and particle theories in physics. A review of the atomic theory of matter and the structure and properties of atomic nuclei. 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.

Textbook

Weidner R. T. & Sellis R. L. *Elementary Physics, Classical and Modern* Allyn & Bacon

1.011

Higher Physics I

Prerequisite: Science Faculty Entrance.

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.

Textbooks

Russell G. J. & Mann K. *Alternating Current Circuit Theory* NSW UP

Weidner R. T. & Sellis R. L. *Elementary Physics, Classical and Modern* Allyn & Bacon

Level II units

1.112A

Electromagnetism

Prerequisites: 1.001, 10.001. Co-requisite: 10.211A.

Electrostatics in vacuum and in dielectrics. Magnetostatics in vacuum and in magnetic materials. Maxwell's equations and simple applications.

Textbook

Parton J. E. & Owen S. J. T. *Applied Electromagnetics* Mac Press

1.112B

Modern Physics

Prerequisites: 1.001, 10.001. Co-requisite: 10.211A.

Special theory of relativity, Lorentz transformation, relativistic mass momentum and energy; Schrödinger wave equation expectation values, operators, eigenfunctions, eigenvalues, free-particle, bound-particle and applications to physical systems, spectra, electron spin, spin-orbit coupling, exclusion principle, origins and spectra of X-rays, electron energy levels in solids.

Textbook

Arya A. P. *Elementary Modern Physics* Addison-Wesley

1.112C

Thermodynamics and Mechanics

Prerequisites: 1.001, 10.001. Co-requisite: 10.211A.

Thermodynamics: First and second laws of thermodynamics. Thermodynamic functions and simple applications. Statistical foundations of thermodynamics. Kinetic theory of gases.

Mechanics: Properties of solids and liquids, elasticity, hydrostatics, hydrodynamics, vibration of systems with one degree of freedom, SHM, superposition, damped SHM, forced vibration, resonance, Fourier analysis, vibrations of coupled systems, Lagrangian mechanics, oscillations of continuous systems, waves, wave packet group velocity.

Textbooks

French A. P. *Vibrations and Waves* Nelson
Mandi F. *Statistical Physics* Wiley
Stephenson R. J. *Mechanics and Properties of Matter* Wiley

Higher Physics Level II units

1.122A Electromagnetism

Prerequisites: 1.011, 10.001. *Co-requisite:* 10.211A. *Excluded:* 1.112A.

Further electrostatics. Poisson's and Laplace's equations. Ferromagnetism. Maxwell's equations and application to waves in isotropic dielectrics. Poynting vector.

Textbook

Lorrain P. & Corson D. *Electromagnetic Fields and Waves* 2nd ed Freeman

1.122B Quantum Physics

Prerequisites: 1.011, 10.001. *Co-requisite:* 10.211A. *Excluded:* 1.112B.

As for 1.122B but treated at a higher level; including some solid state physics.

Textbook

Eisberg R. M. *Fundamentals of Modern Physics* Wiley

1.122C Thermodynamics and Mechanics

Prerequisites: 1.011, 10.001. *Co-requisite:* 10.211A. *Excluded:* 1.112C.

Thermodynamics: As for 1.122C Thermodynamics but at higher level and with some additional topics.

Mechanics: Oscillations and forced vibrations, Lagrange's equation, variational principles, Hamilton's equations.

Textbooks

Mandi F. *Statistical Physics* Wiley
Symon K. R. *Mechanics* 2nd ed Addison-Wesley

Political Science

Undergraduate Study

Courses in the School of Political Science are 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

Students are reminded that under Arts Faculty rules no more than two Level I units may be taken in any one subject. Students wishing to proceed to upper level units in Political Science should note that the prerequisite is two Level I units including 54.901.

Session 1

54.901

Australian Politics A or Australian Politics B

Students can only choose one option, either Australian Politics A or Australian Politics B.

Australian Politics A: Issues, Parties and Policies.

An introductory study of Australian politics in a world context, with special reference to 1 contemporary political issues and values 2 conflicts of interests and parties 3 policy-making and how it is affected by methods of government, elections, the media, technocracy.

Preliminary Reading

Solomon D. *Australia's Government and Parliament* Nelson

Textbooks

Crisp L. F. *Australian National Government* Longman
Emy Hugh V. *The Politics of Australian Democracy* Macmillan
Lucy R. & Nelson H. eds *Australian Politics: A Third Reader* Cheshire

Australian Politics B: The Framework of Government and its Bearing on Political Events and Practices. An institutional approach to Australia's federal system of government and to its implications for current events and practices in Australian politics. Includes: political parties; bureaucracy; pressure groups; electoral systems; elections and the manifold influences which impinge upon such contests.

Textbooks

Crisp L. F. *Australian National Government* Longman
Emy Hugh V. *The Politics of Australian Democracy* Macmillan
Lucy R. ed *The Pieces of Politics* Macmillan
Sawer G. *Australian Government Today* M.U.P.

Session 2

54.902

Comparative Politics

The comparative study of political systems (democracies, totalitarian regimes and various types of dictatorships and autocracies, the politics of developing nations and primitive societies, etc.), emphasising such issues as political leadership, political participation and opposition, the distribution of political power, influence and authority.

Textbooks

Almond G. A. & Powell G. B. Jr *Comparative Politics: A Developmental Approach* Little Brown
Blondel J. *Comparing Political Systems* Weidenfeld & Nicolson
Dahl R. *Modern Political Analysis* 2nd ed Prentice-Hall
Miller J. D. B. *The Nature of Politics* Pelican

54.903

Some Major Political Theories

Illustrated by some "great debates" on important general political issues.

Textbook

Lucy R. ed *The Pieces of Politics* Macmillan

Upper Level Units

54.202

Selected Political Theorists

Prerequisite: Two first year units including 54.901.

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.

Prerequisite: Two first year units including 54.901.

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.

Preliminary Reading

Kochan L. *The Making of Modern Russia* Penguin Chapters 10-15

Shapiro L. *The Government and Politics of the Soviet Union* 2nd ed Hutchinson

Textbooks

Cornell R. ed *The Soviet Political System: A Book of Readings* Prentice-Hall

Daniels R. V. ed *The Stalin Revolution* Heath

Shapiro L. *The Communist Party of the Soviet Union* Methuen

54.222

Politics of the U.S.

Prerequisite: Two first year units including 54.901.

A general view of US politics with particular emphasis on major institutions and long-term issues.

Preliminary Reading

Levine E. L. & Cornwell E. E. Jr *An Introduction to American Government* 2nd ed Macmillan NY

Textbooks

Dye T. R. & Zeigler L. H. eds *The Irony of Democracy: An Uncommon Introduction to American Politics* 3rd ed Duxbury Press Calif.

Sherrill R. *Why They Call it Politics* Harcourt Brace NY

54.232

Politics of China

Prerequisite: 2 first year units including 54.901.

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.

Preliminary Reading

Ch'en J. Mao and the Chinese Revolution OUP

Waller D. J. *The Government and Politics of Communist China* Hutchinson

Textbooks

No set texts.

54.242

British Government

Prerequisites: Two first year units including 54.901.

The structure of politics and decision-making in Britain. Apart from exploring these themes, tutorials may take up any issue of interest to students.

Textbooks

Beer S. *Modern British Politics* Faber

Ghosh S. C. *Decision-Making and Power in the British Conservative Party* Calcutta

54.252

International Relations

Prerequisite: Two first year units including 54.901.

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.

Textbooks

Dougherty J. E. & Pfaltzgraff R. L. *Contending Theories of International Relations* Lippincott

Lanyi G. A. & McWilliams W. C. eds *Crisis and Continuity in World Politics* 2nd ed Random House

54.262

The Government and Politics of Germany and Italy

Prerequisite: Two first year units including 54.901.

The twentieth century political history of Germany and Italy.

Textbooks

Germino D. & Passigli S. *The Government and Politics of Contemporary Italy* Harper & Row

Heidenheimer A. J. *The Governments of Germany* Crowell

54.272

Comparative Foreign Policy

Prerequisite: Two first year units including 54.901.

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.

Textbooks

Macridis R. C. *Foreign Policy in World Politics* 4th ed Prentice-Hall

Morgenthau H. J. *Politics Among Nations* 3rd ed Knopf

54.282

British Political Thought

Prerequisite: Two first year units including 54.901.

British political thinking from the eighteenth century to the present day including Burke, Bentham, James Mill, John Stuart Mill, William Morris, George Bernard Shaw, Beatrice and Sidney Webb, Oakeshott.

Textbooks

Beer S. H. *Modern British Politics* Faber

Birch A. H. *Representative and Responsible Government* Allen & Unwin

Brinton C. *English Political Thought in the 19th Century* Harper Torchbooks

McBriar A. M. *Fabian Socialism and English Politics 1884-1914* C.U.P.

54.292

Politics and the Media

Prerequisite: Two first year units including 54.901.

Relations between the media and political life. Analyses of media organisations and media styles. Consideration of "image", "communication", "influence", "sociodrama", "political agenda". The context is Australian.

Lists of textbooks and principal reference books supplied prior to commencement of course.

54.302

Marxism

Prerequisite: Two first year units (Cr) including 54.901. Co-requisite: Any 1-unit Upper Level course. Exclusion: 54.502.

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.

Required Reading

Marx and Engels *Manifesto of the Communist Party*

Engels F. *Socialism, Utopian and Scientific*

Marx K. *Critique of Political Economy* (Preface)

Marx K. *Critique of the Gotha Programme*

Marx K. *The 18th Brumaire of Louis Bonaparte*

Marx K. *The Class Struggles in France*

Marx K. *Capital* Vol I Chs 7-8 21-24

There are various possible collections or anthologies:

Marx-Engels *Selected Works*. 2 vols Foreign Languages Publishing House Moscow

Feuer L. S. *The Basic Writings on Politics and Philosophy of Marx and Engels* Penguin also American ed Anchor*

54.312

Fascism

Prerequisite: 2 first year units (Cr) including 54.901. Co-requisite: 54.262. Exclusion: 54.512.

A seminar: Emphasis on German National Socialism; Italian Fascism and other European fascist movements.

Textbooks

No set texts. Reading lists are available at the School office.

54.322

British Government: B

Prerequisite: 2 first year units (Cr) including 54.901. Co-requisite: Any 1-unit Upper Level course. Exclusion: 54.522.

The nature and character of the British Labour Party.

Textbooks

No set texts. Reading lists are available at the School.

54.332

Federalism: An Australian Perspective

Prerequisite: 2 first year units (Cr) including 54.901. Co-requisite: Any 1-unit Upper Level course. Exclusion: 54.532.

Australian federalism, not only in terms of constitutional law and parliamentary institutions, but also other matters such as public finance, political parties, pressure groups.

Textbooks

No set texts. Reading lists are available at the School.

54.342

International Security

Prerequisites: 2 first year units (Cr) including 54.901. Co-requisite: 54.252. Exclusion: 54.542.

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.

Textbooks

No set texts. Reading lists are available at the School office.

54.352

Plato and Machiavelli

Prerequisite: 54.901(Cr) and 54.903(Cr). Co-requisite: Any 1-unit Upper Level course. Exclusion: 54.552.

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.

Textbooks

Plato *Works* Vols I, V & VI Loeb Classical Library or

Plato *The Last Days of Socrates* Penguin

Plato *The Republic* Cornford Oxford

Machiavelli *Il Principe e I Discorsi* Feltrinelli Milan

or

Machiavelli *The Prince & The Discourses* Modern Library pb

ed New York

*Paperback.

54.362

Chinese Political Thought I

Prerequisite: 54.901(Cr), 54.903(Cr). *Co-requisite:* Any 1-unit Upper Level course. *Exclusion:* 54.562.

The nature of the various schools of political ideas during the Classical period (prior to the third century BC) and the new interpretations by scholars and ideologues in the twentieth century.

Preliminary Reading

Feng Y. L. *A Short History of Chinese Philosophy* Macmillan

Textbooks

Mencius trans. & ed D. C. Lau Penguin Classics

Lao Tzu Tao Te Ching trans & ed D. C. Lau Penguin Classics

The Basic Writings of Chuang Tzu trans & ed B. Watson Columbia UP

The Basic Writings of Han Fei trans & ed B. Watson Columbia UP

The Basic Writings of Hsun Tzu trans & ed B Watson Columbia UP

The Confucian Analects any translation

The Great Learning any translation

Lord Shang trans J. J. L. Duyvendak Probsthain

54.372

Australian Foreign Policy

Prerequisites: 2 first year units (Cr) including 54.901. *Co-requisites:* 54.272 or 54.252. *Exclusions:* 54.572.

Some of the major figures who have either participated in the making of, or been prominent critics of, Australian foreign policy, and the kinds of concepts which have informed their approach; what light the Australian experience casts on the meaning of some key terms which have a wider application in international politics.

Textbook

Watt A. *The Evolution of Australian Policy* C.U.P.

54.382

Political Theory

Prerequisite: 54.901(Cr) and 54.903(Cr.). *Co-requisite:* Any 1-unit Upper Level course. *Exclusion:* 54.582.

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.

Textbooks

No set text. Reading lists supplied before commencement of the course.

54.392

Aspects of Australian Political Culture

Prerequisite: Two first year units (Cr) including 54.901 or 51.542(Cr). *Co-requisite:* Any 1-unit Upper Level course. *Exclusion:* 54.592.

In an Australian context, the theories of political culture, political symbolism, political legitimacy, social "types" and administrative "styles".

Textbooks

Lists of textbooks and principal reference books are supplied prior to commencement of course.

54.601

Politics of the U.S.S.R.: B

Prerequisite: Two first year units (Cr) including 54.901. *Co-requisite:* 54.212. *Exclusion:* 54.701.

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.

Textbooks

No set texts. Reading lists are available at the School office.

54.602

Politics of the U.S.: B

Prerequisite: 2 first year units (Cr) including 54.901. *Co-requisite:* 54.222. *Exclusion:* 54.702.

This course builds on the pass course, applying it to current issues and problems. Case studies are examined.

Textbook

Palamountain J. C. et al *Issues and Perspectives In American Government* Scott Foresman

54.603

Selected Third World Leaders

Prerequisite: Two first year units (Cr) including 54.901. *Co-requisite:* Any 1-unit Upper Level course. *Exclusion:* 54.703.

An empirical examination of the development and nature of the ideas and methods of action of a selection of leaders of certain Third World nations. Reading lists are given by lecturers prior to their own lectures on specific leaders. Leaders likely to be studied are chosen from these: Ne Win, U Nu, Sihanouk, Kieu Samphan, Mao, Chiang, Castro, Guevara, Nkrumah, Gandhi, Nehru, Sukarno, Hatto, Kim, Lee, Nyerere, Nasser, Ho. In each year, the selected leaders are not taken from more than five countries.

54.604

Chinese Political Thought II

Prerequisite: 54.901(Cr), 54.903(Cr) and 54.362. *Co-requisite:* Any 1-unit Upper Level course. *Exclusion:* 54.704.

A selection of the major political thinkers from the mid-nineteenth century to about 1925. Textbooks and reference lists are supplied during course.

Preliminary Reading

Tan C. T. *Chinese Political Thought in the 20th Century* Wren

54.605

Comparative Public Administration

Prerequisite: 2 first year units (Cr) including 54.901. *Co-requisite:* Any 1-unit Upper Level course. *Exclusion:* 54.705.

Public administration in Australia and its problems; examples of several developing countries: the problem of corruption, the nature of the bureaucratic elite.

Preliminary Reading

Spann R. N. *Public Administration in Australia* NSW Government Printer

Textbooks

No set texts. Reading lists are available at the School office.

54.606

Politics of Indonesian Society

Prerequisite: 2 first year units (Cr) including 54.901. *Co-requisite:* Any 1-unit Upper Level course. *Exclusion:* 54.706.

Indonesian political economy.

Textbooks

Geertz C. *Agricultural Involvement* Yale UP

Legge J. D. *Indonesia* Prentice-Hall

Mortimer R. *Showcase State: The Illusion of Indonesia's Accelerated Development* A & R

Polomka P. *Indonesia Since Sukarno* Penguin

Wertheim W. F. *Indonesian Society in Transition* 2nd ed Van Hoeve The Hague

Advanced Level Units

Available for students intending to take a special Honours degree in Political Science. These students should plan their programs in consultation with the Head of School.

Each Advanced Level unit consists of **A** the half-unit Upper Level course bearing the same title, plus **B** the pre- or co-requisites shown in respect of these; and if none shown, any 1-unit Upper Level course. Students should note that they enrol in the advanced units only (and not in the courses which comprise the advanced unit).

Each Advanced Level unit consists of 70 hours of lectures, tutorials and seminars spread over one session or the whole year.

For textbooks see the individual components of the advanced unit.

54.502 Marxism; 54.512 Fascism; 54.522 British Government; 54.532 Federalism, an Australian Perspective; 54.542 International Security; 54.552 Plato and Machiavelli; 54.562 Chinese Political Thought I; 54.572 Australian Foreign Policy; 54.582 Political Theory; 54.592 Aspects of Australian Political Culture; 54.701 Politics of the U.S.S.R.; 54.702 Politics of the U.S.; 54.703 Selected Third World Leaders; 54.704 Chinese Political Thought II; 54.705 Comparative Public Administration; 54.706 Politics of Indonesian Society.

Honours Level units

54.603

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:

Year 1: 54.501 (double unit).

Year 2: Any two Advanced Level units.

Year 3: Two Advanced Level units, plus two Category B Upper Level units.

Year 4: 54.603 (double unit).

Under Arts Faculty regulations, an Intending Honours student may take one additional unit in Political Science in his third year of study.

The prerequisite for entry into the 4th Year Honours course 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.

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 a number of the following options during the year:

Options:

1. Problems of international order;
2. Literature and politics;
3. Theories of public administration and organization;
4. Australian politics and Australian culture;
5. Chinese communism;
6. Theories of revolution. These options are subject to the availability of staff to teach them. Reading lists for these options are issued by the lecturers.

Psychology

Undergraduate Study

Level I units

12.001

Psychology I (Double unit)

An introduction to the content and methods of psychology as a behavioural science, with special emphasis on 1. the biological and social bases of behaviour, 2. learning, and 3. individual differences.

The course includes training in methods of psychological enquiry, and the use of elementary statistical procedures.

Textbooks

C.R.M. *Psychology Today: An Introduction* 3rd ed C.R.M. Books

or

Hilgard E. R., Atkinson R. C. & Atkinson R. L. *Introduction to Psychology* 6th ed Harcourt Brace & Jovanovich

Lumsden J. *Elementary Statistical Method* W.A.U.P.

Selected *Scientific American* reprints as advised by the School

Upper Level units

12.022

Psychology IIT

This basic second year Pass course in Psychology is available to any student who has completed Psychology I.

Progression to Psychology III is *not* possible from 12.022.

The content is presented in two strands, each for one session.

Developmental Psychology. Maturation and development: biological, behavioural and social aspects. Stages of development from birth through to death emphasising the influences of interpersonal relationships on personality development and the theories of development of Freud and Erikson.

Individual Differences and their Measurement. Human variability in intelligence, educational attainment, special aptitudes, personality and interests. Hereditary and environmental influences. Procedures for the measurement of individual differences via standardised, psychological and teacher-made tests.

Part A. Developmental Psychology

Textbook

Lidz T. *The Person—His Development throughout the Life Cycle* Basic Books NY

Part B. Individual Differences and their Measurement

Textbooks

Thorndike R. L. & Hagen K. *Measurement and Evaluation in Psychology and Education* Wiley
Tyler L. E. *The Psychology of Human Differences* Appleton-Century-Crofts

12.052

Basic Psychological Processes II

Prerequisite: 12.001 with Advanced Pass. A joint prerequisite for any Psychology III unit.

The basic phenomena of behaviour and experience in a biological context.

Textbooks

Gray J. A. *The Psychology of Fear and Stress* World Univ Library
and either
Haber R. N. & Hershenson M. *The Psychology of Visual Perception* Holt Rinehart & Winston
(Recommended for students proceeding to the Perception option in Session 2.)
or
Lindsay D. H. & Norman D. A. *Human Information Processing* Academic
(Recommended for students proceeding to the Cognition option in Session 2.)

12.062

Complex Psychological Processes II

Prerequisite: 12.001 with Advanced Pass. A joint prerequisite for any Psychology III unit.

Students select for concentrated study two areas from visual perception, social bases of behaviour, and information processing and cognitive functioning.

Information Processing and Cognitive Functioning

Perception

Textbook

Haber R. N., Hershenson M. *The Psychology of Visual Perception* Holt Rinehart & Winston

Social Psychology

Textbook

McDavid J. W. & Harari H. *Social Psychology and Behaviour* ISE Harper

12.152

Research Methods II

Prerequisite: 12.001 with Advanced Pass. **Co-requisites:** 12.052 and 12.062.

General introduction to the design and analysis of experiments; hypothesis testing, estimation, power analysis; general treatment of simple univariate procedures; correlation and regression.

Textbooks

Anderson B. F. *The Psychology Experiment: An Introduction to Scientific Method* 2nd ed Brooks/Cole Belmont California
Weikowitz J., Ewen R. B. & Cohen J. *Introductory Statistics for the Behavioral Sciences* Academic

12.153

Research Methods IIIA

Prerequisites: 12.052, 12.062, 12.152. A prerequisite for 12.163.

Analysis of variance—one way and complete factorial designs. Elementary Fortran programming, emphasizing editing of data for use in package programs.

Textbook

Hays W. L. *Statistics* Holt International Edition Holt Rinehart & Winston

12.163

Research Methods IIIB

Prerequisite: 12.153.

Experimental Design; complex analysis of variance; planned and *post hoc* comparisons; multivariate procedures as data reduction techniques.

Textbooks

Hays W. L. *Statistics* Holt International Edition Holt Rinehart & Winston
Lieberman B. *Contemporary Problems in Statistics* OUP

12.173

Psychological Issues III *

Prerequisites: 12.052, 12.062, 12.152.

Historical background to modern psychology, emphasizing philosophical, conceptual, and methodological problems. Literature project

*Not offered in 1976.

12.253
Learning IIIA

Prerequisites: 12.052, 12.062, 12.152. A prerequisite for 12.263.

Current experimental and theoretical problems in learning; classical and operant conditioning; reinforcement issues.

Textbook

Nevin J. ed *The Study of Behavior* Scott, Foresman

12.263
Learning IIIB

Prerequisite: 12.253.

Additions and attachments in animals and man. The themes of addiction and attachment will be pursued from a learning theory base through imprinting and induced behaviours in animals to love, grief and narcotic addiction in man.

Textbooks

To be announced before the commencement of classes.

12.303
Personality IIIA

Prerequisites: 12.052, 12.062, 12.152.

The development and structure of personality, with reference to biological and social determinants. Problems of theory and measurement.

12.313
Personality IIIB *

Prerequisites: 12.052, 12.062, 12.152.

The psychology of interpersonal relationships and transactions. Techniques of interpersonal influence.

12.323
Motivation IIIA *

Prerequisites: 12.052, 12.062, 12.152.

The conditions governing the arousal and direction of behavioural sequences, with particular reference to the social determinants of the goals of behaviour.

12.373
Psychological Assessment (Testing) IIIA *

Prerequisites: 12.052, 12.062, 12.152.

Principles and techniques of psychological assessment. Types of tests and their application in selection and allocation procedures.

12.383
Psychological Assessment (Psychometric Theory) IIIB *

Prerequisites: 12.052, 12.062, 12.152.

12.413
Physiological Psychology IIIA

Prerequisites: 12.052, 12.062, 12.152.

Elementary neurophysiology and neuroanatomy. Brain control of eating, aggression, copulation, memory, language and functional disorders.

Textbook

Thompson R. F. *Introduction to Physiological Psychology* Harper & Row

12.423
Physiological Psychology IIIB

Prerequisite: 12.413.

Physiological bases of human performance. Hormones and behaviour. Psychophysiology of selected psychological states such as stress, sleep and relaxation. Genetics and behaviour.

Textbook

Thompson R. F. *Introduction to Physiological Psychology* Harper & Row

12.453
Human Information Processing IIIA

Prerequisites: 12.052, 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 will be given to the processes which have the effect of reducing the amount of information to be subsequently stored or further processed. Special attention will be given to the comprehension, storage and utilization of semantic information.

Textbooks

Lindsay P. H. & Norman D. A. *Human Information Processing* Academic Press

Posner M. I. *Cognition* Scott Foresman

Slobin D. I. *Psycholinguistics* Scott Foresman

12.463
Human Information Processing IIIB *

Prerequisite: 12.453.

12.473
Perception IIIA

Prerequisites: 12.052, 12.062, 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.

Textbooks

Haber R. N. & Hershenov N. *The Psychology of Visual Perception* Holt Rinehart & Winston

McNicol D. A. *Primer of Signal Detection Theory* Allen & Unwin

*Not offered in 1976.

12.483 Perception IIIB

Prerequisites: 12.052, 12.062, 12.152.

Man in a spatial environment. A study of the organization and stability of the visual world with particular reference to the constancies, object movement, eye movement and locomotion.

Textbook

Haber R. N. & Hershenson M. *The Psychology of Visual Perception* Holt Rinehart & Winston

12.503 Social Psychology IIIA

Prerequisites: 12.052, 12.062, 12.152.

The bases of interpersonal attraction; class and race as determinants of behaviour; the experimental study of social processes in small groups; cross-cultural studies of social influence.

Textbooks

Aronson E. *The Social Animal* Freeman
A detailed reading list is available from the School.

Advanced Level unit

12.513 Social Psychology IIIB

Prerequisites: 12.052, 12.062 and 12.152 and 12.503.

A restricted unit for potential Psychology IV students approved by the Head of School. For subject description and a detailed reading list students should consult the School of Psychology.

Upper Level units

12.553 Developmental Psychology IIIA

Prerequisites: 12.052, 12.062, 12.152.

Individual differences and basic psychological processes within a developmental framework. Psychological processes at various stages from infancy to senescence. The study of exceptional individuals within a developmental framework.

Textbook

To be announced before commencement of lectures.

12.563 Developmental Psychology IIIB *

Prerequisite: 12.553.

12.603 Abnormal Psychology IIIA

Prerequisites: 12.052, 12.062, 12.152.

Conflict, anxiety and avoidance behaviour. Anti-social behaviour, psychosomatic disorders, brain pathology, mental deficiency, schizophrenia, depression, methods of diagnosis and treatment.

Advanced Level units

12.613 Abnormal Psychology IIIB

Prerequisite: 12.603.

A restricted unit for potential Psychology IV students approved by the Head of School.

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.

Textbook

Hammer M., Salzinger K. & Sutton S. eds *Psychopathology* Contributions from Social Behavioural and Biological Sciences Wiley

12.623 Guidance and Counselling III

Prerequisites: 12.052, 12.062, 12.152.

A restricted unit for potential Psychology IV students approved by the Head of School.

Significant therapeutic approaches from prior to Freud through to the present day and their implied views of man. The course concludes with the problems of evaluation of effects of psychotherapy. The direct sources of the theories of eg Freud, Miller and Dollard, Wolpe, Ellis, Rogers, Perls, Janov.

12.653 Industrial Psychology III

Prerequisites: 12.052, 12.062, 12.152. *Co-requisite:* 12.503.

A restricted unit for potential Psychology IV students approved by the Head of School.

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. Work organization and physical conditions affecting work behaviour.

Textbooks

Davis L. & Taylor J. ed *Design of Jobs* Penguin
Emery F. ed *Systems Thinking* Penguin
Lupton T. *Management and the Social Sciences* Penguin

12.663 Ergonomics III

Prerequisites: 12.052, 12.062, 12.152.

A restricted unit for potential Psychology IV students approved by the Head of School.

A study of 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.

Textbooks

Edholm O. G. *The Biology of Work* World University Library
Singleton W. T. *Introduction to Ergonomics* World Health Organization

*Not offered in 1976.

12.703 Psychological Techniques III *

Prerequisites: 12.052, 12.062, 12.152, 12.373.

A restricted unit for potential Psychology IV students approved by the Head of School.

Observation and other forms of appraisal, eg. ratings, interviewing, testing and reporting on assembled data about individuals.

Upper Level unit

12.713 Behaviour Control and Modification III

Prerequisites: 12.052, 12.062, 12.152.

Aversive and appetitive reinforcement in the control and modification of undesirable behaviour. The conditions of attitude change and behavioural influence. Ethical issues.

Advanced Level unit

12.733 Laboratory Instrumentation III

Prerequisites: 12.052, 12.062, 12.152.

A restricted unit for potential Psychology IV students approved by the Head of School.

Use of laboratory equipment, and experimental techniques in Psychology. Care of laboratory animals. Basic electricity and elementary circuit design. Use of polygraphs for physiological recording. Audio and visual perception equipment, and techniques for manipulating auditory and visual factors in experiments.

Honours Level units

12.035 Psychology IV (Honours)

Prerequisites: (i) average grade of Credit or higher over the 4 units value of the 1st and 2nd years of Psychology and (ii) average grade of Credit or higher in 4 units value of the 3rd year of Psychology which has included both of 12.153 and 12.163.

Research and thesis, course work and readings to be determined in consultation with the Head of School.

Russian

Undergraduate Study

Courses offered by the School cover the language, literature and culture of the Russian people from the eleventh century to the present day.

This year, in addition to the Russian IV (Honours) course, five Pass courses 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 course available only to students who have not qualified to enter Russian IB.

The course aims at providing 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 course, 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 course is to be pursued successfully.

Textbooks

Chekhev A. P. *Medved'*, *Predlozhenie*, *Yubilei* Available in typescript from the School of Russian
Dawson C. L., Bidwell C. E. & Humesky A. eds *Modern Russian and Modern Russian II* Harcourt Brace & World
Khavronina S. A. & Shirochenskaya A. I. *Russian in Exercises* Moscow
Scherer G. A. C. ed *Reading for Meaning* Harcourt Brace & World

59.511 Russian IB

For students who have obtained a Level II Pass or higher in Russian, at the Higher School Certificate, or who, in the opinion of the Head of School, possess an equivalent knowledge of the language.

1. Language

Three hours of instruction per week, devoted to prose translation into Russian, study of Russian grammar, free composition and practice in spoken Russian.

Textbooks

Müller V. K. *Anglo-russkii slovar'* Moscow
Smirnitkii A. I. *Russko-anglitskii slovar'* Moscow
Pul'kina I. M. & Zakhava-Nekrasova E. *Russian* Moscow

2. Literature

Two lectures per week.
A Introduction to Nineteenth Century literature.
B Introduction to Twentieth Century writers.

*Not offered in 1976.

Arts

Textbooks

A Short Anthology of Twentieth Century Prose *
Chekov A. P. *Dyadya Vanya* Harrap
Dostoevsky F. M. *Mal'chik u Khrista na elke* *
Gogol' N. V. *Portret* Bradda
Leskov N. S. *Tupeinyi khudozhnik* *
Pushkin A. S. *Pikovaya dama* Bradda
Tolstoi L. N. *Khadzhi Murat* Moscow
Turgenev I. S. *Pevtsy* Bradda

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.

Preliminary Reading

Chekov A. P. *Short Stories* Foreign Languages Publishing House Moscow

1. Language

Three lectures, two tutorials and one session in the language laboratory per week. The lectures deal with analysis and translation into English of selected passages from prescribed texts and prose translation into Russian; the tutorials and language laboratory session are devoted to intensive drills in spoken and written Russian.

Textbooks

Dawson C. L., Bidwell C. E. & Humesky A. eds *Modern Russian If* Harcourt Brace & World
Henry P. *Modern Russian Prose Composition Book One* University of London Press
Pulkina I. & Zakhava-Nekrasova E. *Russian* Moscow

2. Literature

One lecture per week. The texts studied are:

- A two plays by A. P. Chekhov,
- B short stories by A. S. Pushkin, L. N. Tolstoi, L. N. Andreev,
- C short stories by Soviet writers.

Textbooks

Andreev L. N. *Rasskaz o semi poveshennykh* *
A Short Anthology of Modern Stories *
Chekov A. P. *Dyadya Vanya* Harrap
Chekov A. P. *Tri sestry* Bradda
Harper K. et al eds *New Voices* Harcourt Brace & World
Pushkin A. S. *Pikovaya dama* Bradda
Tolstoi L. N. *Kreitserova sonata* *

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 Russian, study of Russian grammar, free composition and practice in spoken Russian.

Textbook

Pulkina I. & Zakhava-Nekrasova E. *Russian* Moscow

2. Literature

Two lectures per week. The texts to be studied will be:

A short stories by A. P. Chekhov, N. V. Gogol', N. S. Leskov, A. S. Pushkin, M. E. Saltykov-Shchedrin, L. N. Tolstoi, I. S. Turgenev and

B three contemporary stories.

Textbooks

Bitov A. P. *Puteshestvie k drugu detstva* Leningrad
Bykov V. V. *Kruglyanskii most* Moscow
Chekhov A. P. *Vragi, Pripadok, Ogn', Poprygun'ya, Supruga, Chelovek v lutyare, O lyubvi, Yonich, Dushechka, Dama s sobachkoi, Dom s mezoninom* *
Gogol' N. V. *Shinel'* Bradda
Leskov N. S. *Levsha* *
Pushkin A. S. *Povesti Belkina* Bradda
Tolstoi L. N. *Smert' Ivana Il'icha* Bradda
Turgenev I. S. *Zapiski okhotnika* (Selections) Moscow
Saltykov-Shchedrin M. E. *Skazki* Moscow
Yashin A. Ya. *Vologodskaya svad'ba* Moscow

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).

Textbooks

Henry P. *Modern Russian Prose Composition Book 2* London UP
Müller V. K. *Anglo-russkii slovar'* Moscow
Smirnitiskii A. I. *Russko-angliiskii slovar'* Moscow

2. Literature

Four lectures per week. The works to be studied are:

- A Evgenii Onegin by A. S. Pushkin,
- B a major novel by F. M. Dostoevskii,
- C a major novel by L. N. Tolstoi and
- D a selection of Soviet films.

Textbooks

Dostoevskii F. M. *Prestuplenie i nakazanie* Moscow
Pushkin A. S. *Evgenii Onegin* Bradda
Thompson L. C. et al eds *Ballada o soldate* Harcourt Brace & World
Tolstoi L. N. *Anna Karenina* Moscow

59.514

Russian IV (Honours)

For students who have obtained at least a credit in both 59.123 Russian IIIA (Honours) and 59.143 Russian IIIB (Honours).

*May be obtained in xeroxed copies from the School of Russian.

1. Language

Two lectures and two tutorials per week. The lectures deal with (i) prose translation into Russian, and (ii) history of language and early texts; the tutorials are devoted to further study of advanced syntax and to practice in spoken and written Russian.

2. Literature

Six lectures per week. The subjects to be studied are:

Core courses (three)

- A History of Early Russian Literature.
- B History of Eighteenth Century Russian Literature.
- C History of Russian Social Thought.

Optional courses (three)

- A Special Author (Pushkin or Dostoevskii or Tolstoi)
- B Russian Lyric Verse (1800 to 1917)
- or
- Nineteenth Century Russian Drama
- C Twentieth Century Russian Narrative
- or
- The Soviet Novel after 1953.

Textbooks

No set texts. A reading list for students proposing to take the course will be issued at the beginning of the Long Vacation.

Thesis

A short thesis (in English) is to be written on an approved subject in one of the areas of study listed above. The subject is to be chosen by the beginning of Session 1 and the thesis must be submitted before the end of Session 2.

Sociology

Undergraduate Study

The major aim of sociology, as taught by the School, is to impart some understanding of the human condition. 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 actions.

Note: Students should check with the School about **final details** of courses before the beginning of the academic year.

Level I units

The following Level I subjects are under revision. Details are available from the School of Sociology or the Faculty of Arts office.

53.101 Sociology IA

53.102 Sociology IB

Prerequisite: 53.101.

Upper Level units

53.203 Sociology IIA

Prerequisites: 53.101 and 53.102.

The following Upper Level subjects are under revision. Details are available from the School of Sociology or the Faculty of Arts office.

53.204 Sociology IIB

Prerequisites: 53.101, 53.102, 53.203.

Advanced Level units

53.503 Sociology 2A (Advanced)

Session 1

Prerequisites: 53.101 and 53.102, both at Credit level or better.

Includes 53.203 with additional work consisting of an introduction to Marxist theories of society.

53.504 Sociology 2B (Advanced)

Session 2

Prerequisite: 53.503 at Credit level or better.

Includes 53.204 with additional work consisting of study of the impact of Marxist theories of society on the development of sociological theory.

Upper Level units

53.205 Sociology IIIA

Prerequisite: 53.204.

1. This section of this subject is under revision. Details are available from the School of Sociology or the Faculty of Arts office.

2. Students select, subject to approval, one unit from the following list of options, not all of which may be available in any one year.

Sociology of Deviance; Social Attitudes; Sociology of Interpersonal Relations A; Women and Society; Sociology of Religion A; Sex and Society A; 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; Political Sociology A; Sociological Theory and Social Action A; Sociology of the Family A.

Note

Certain options offered by other Schools in the Faculty of Arts can be taken by students enrolled in either 53.205 or 53.206, and will be credited towards degree requirements, with the approval of the Head of the School of Sociology.

Prerequisites are the same as for 53.205 and 53.206. These options are:

School of History and Philosophy of Science

62.233 Social History of 17th and 18th century science.

62.253 Social History of 19th and 20th century science.

62.243 The Darwinian Revolution.

School of Spanish and Latin American Studies

65.242 Spanish and Latin American Studies 2E—Spain and Latin America 1400-1810.

65.243 Spanish and Latin American Studies 2F—Spain and Latin America 1810-1975.

School of French

56.162 Recent Political and Sociological Speculation by French Intellectuals.

A 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.

B 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 the topic's wide range only one or two personality types and one or two sub-sets of society are stressed. Personality and attitude correlates of: 1. working class membership; 2. political preference; 3. authoritarianism and alienation.

C Sociology of Interpersonal Relations

It has long been recognized by both sociologists and psychologists that the crucial determinants of individual identity are to be found in the web of "primary" relations which surround the individual.

The structure and consequences of these primary relations: the interpersonal dynamics of the family and its relation to the "self"; the form of social exchanges between such dyadic pairs as husband-wife, parent-child, peer-peer, romantic lovers, etc.

Examination of these dyads will involve a consideration of the process of privatization, the structure of expectations, the types of reciprocity, the nature of dyadic cohesion, the nature of dyadic transactions, the nature of interpersonal communication, and the processes of the development of a "self".

D Women and Society

The social role of women. Sex as a factor in social stratification. Discrimination against women in education, politics, work and the law. The concepts of the "dual role" and the "feminine character". Feminist movements and theories of women's liberation.

E Sociology of Religion A

Comprises two major sections: 1. An overview of selected world religions. 2. An integrated study of selected major

themes within sociology of religion including the following: (a) A sociological view of religion; (b) The functions of religion in human societies; (c) Types of society and religion; (d) Religious institutions in selected societies; (e) Religious organizations in selected societies.

F Sex and Society A

1. The relationship between sexual morality and economic, political, religious, educational and other social institutions; 2. Changing sexual morality and conduct in Western civilizations; 3. Contemporary sexual moralities and conduct; 4. Sexual revolution and sexual utopias.

G Medicine and Society

Comprises five sections: 1. basic relationships between the disciplines of sociology, medicine, social psychology and anthropology; 2. the reciprocal nature of patient-healer relationships; 3. the hospital as a small community; 4. the organization of medical and health services on a comparative basis, including some medical politics; 5. aspects of methodology and a search for unifying conceptual structures.

H Urban Sociology A

Urban environments and the forms of urban social structures which accompany them. Social values as shapers of urban regions and on the social identity, social change and power aspects in urban environments.

A research project concerned with collecting information about some aspect of urban life.

I 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. It offers 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.

Both the Studio Vista/Dutton and Cinema One series provide works on individual directors or schools. Jarvie's book provides a full bibliography, and course participants should try to read it before the course begins.

The films studied include those by directors such as Fritz Lang, John Ford, Orson Welles, Jerry Lewis, Jean-Luc Godard, Charlie Chaplin and Francois Truffaut.

J 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.

K Sociology of Literature and Drama A

The study of: 1. the creation, distribution and reception of literature and drama as social institutions; 2. the relationship between the literary product and the social milieu and group affiliations of the writer; 3. the effects of literature and drama upon successive audiences.

L Sociology of Migration A

Migration as a special case of heightened social change. Theoretical concepts and methods potentially useful for analysing the phenomenon of mass migration. Empirical material drawn from Australian and overseas studies.

Theoretical approaches offered by Eisenstadt, Gordon and others in the light of: 1. empirical studies in Australia and elsewhere; and 2. possibilities offered by a "relational" method, i.e. the exploration of networks and community affiliations.

Plural Societies and Developing Countries

Part A

Recurring processes in the evolution of plural societies; theories of change; the impact of colonialism; social movements; independence; modernity and development, from the point of view of several disciplines. An underlying theme in this course is inequality and the varying impact of inequality on social life and social structure.

Political Sociology

Part A

Power relationships with particular reference to the significance of the concepts of class and class consciousness as critical tools in the explication of social life under advanced capitalism and state socialism.

Sociological Theory and Social Action

Part A

The proposition that knowledge and reason, particularly as they are represented in sociological theorizing, contribute to social progress in the sense of bettering social arrangements through the application of intelligence, either through piecemeal social engineering or through revolutionary transformation. The problem of ideology.

Sociology of the Family (Revised)

Part A

Sociological theories of the family with particular emphasis on marriage, family and kinship in modern industrial societies. The interrelationships between family and other social institutions, patterns of internal family dynamics; sex roles, conjugal relationships, parents and children, family and work, family and class; social change and the future of the family; alternative family structures.

53.206

Sociology IIIB

Prerequisite: 53.205.

1. This section of this subject is under revision. Details are available from the School of Sociology or the Faculty of Arts Office.

2. Students select, subject to approval, one unit from the following list of options, not all of which may be available in any one year. Part A of any option is normally a prerequisite for Part B.

Criminology; Science; Technology and Society; Sociology of Religion B; Sex and Society B; Urban Sociology B; Race Relations B; Sociology of Literature and Drama B; Work, Leisure and Society; Class and Status, Sociology of Migration B; Plural Societies and Developing Countries B; Political sociology B; Sociological Theory and Social Action B; Sociology of Interpersonal Relations B; Sociology of the Family B; Sociology of Sociology.

A Sociology of the Family

Sociological theories of the family with particular emphasis on the family in modern industrial society. The form and content of familial relationships in an industrialized society. The interrelationships between the family and other significant institutions in an industrial society. The family and social change; sex roles and the family; social class and family patterns; the future of the family in an industrial setting.

B 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.

C Science, Technology and Society

1. The nature of science—interaction between growth of science, the process of research and society; 2. Social influences on the nature and development of science; 3. The invention-innovation process; 4. Society's control over science; 5. The impact of science and technology on society; 6. Science, technology and war.

D Sociology of Religion B

The application of theories of sociology of religion to a number of selected areas including: 1. Religion and social change; 2. Religious groups and ethnic groups; 3. Religious and social class and stratification; 4. The religious leader; 5. The institutionalization of religion; 6. Religion and other social institutions; 7. An evaluation of the contribution of the major theorists to the sociology of religion.

E Sex and Society B

The influence of Freudian thought on sociological theory, particularly as it concerns the interplay of character and social structure.

F Urban Sociology B

Follows on the theoretical background acquired in Urban Sociology. A concentrating on metropolitan problems in Australia, with special attention to Sydney metropolitan area. Access to benefits in the city and the attempts at informal organization by ethnic groups of citizen participation demands against the formal organizational structure of the metropolis.

A research project into some aspects of urban life forms part of the course.

G 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.

H Sociology of Literature and Drama B

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.

I Work, Leisure and Society

Sociological aspects of work and leisure: how societal assumptions about these two notions help determine the shape of many social institutions.

J Class and Status

The nature and types of social inequality. The dimensions and correlates of social stratification in contemporary societies. Social mobility. Theories of social stratification. Social differentiation in Australia.

K Sociology of Migration B

As for Part A.

Plural Societies and Developing Countries

Part B

The culture, structure and organization of overseas Asians; ethnic minority problems in industrialized and traditional societies; the relationship between minorities and central

Arts

governments before and after independence; current events such as absorption of Vietnamese refugees in Australia and the USA.

Political Sociology

Part B

Alternative political forms and modes of socio-political transformation with particular reference to the theory of revolutions, communitarian, participatory and anarchic proposals and practices. Special attention may be given to the nature and role of student radicalism and to the political significance of institutions of higher education.

Sociological Theory and Social Action

Part B

Continues the themes of Session 1 examining more closely particular forms of social action upon which sociological theory has been brought to bear or to which it is purported to be relevant. The theory and practice of the so-called "professions" of social work, town-planning, governmental policy-making and education. The critique of technology and a variety of "utopian" and revolutionary alternatives; the relevance of ethics to sociology.

Sociology of Interpersonal Relations

Part B

Follows on the theoretical background established in Part A, emphasizing interpersonal communication found in naturally occurring groups.

Sociology of the Family

Part B

Follows on the theoretical frameworks studied in Part A, with specific application to Australian family studies. Family in Australian history, the role of the family in migration; ideas of national character, values and beliefs about the meaning of marriage and family. Conjugal roles; family and work; family and class; ethnicity and religion in family relationships; family law and social welfare policies; family and community.

A Sociology of Sociology

Sociology itself as a sociological phenomenon. The format is flexible, but it includes the development of the discipline and its incorporation into prevailing societal structures; critiques of the discipline from theoretical perspectives, from philosophical perspectives, from political perspectives; an examination of the social and political role(s) of social science in (especially Western) society. The American scene, which is the focus of much of the literature; the influence of Continental philosophical and sociological ideas and to current trends in the discipline on a world scale.

Advanced Level units

The following Advanced Level subjects are under revision. Details are available from the School of Sociology or the Faculty of Arts Office.

53.505

Sociology 3A (Advanced)

Advanced Sociological Research

Prerequisites: 53.503, 53.504, both at Credit level or better.

53.514

Sociology 3B (Advanced)

Advanced Practical and Theory Seminar

Prerequisites: 53.503 and 53.504, both at Credit level or better. *Co-requisites:* 53.205, 53.206.

Honours Level units

53.525

Sociology (Honours)

Prerequisite: Satisfactory performance in 53.203, 53.204, 53.503, together with three of 53.205, 53.206, 53.504, 53.514.

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

Undergraduate Study

Level I units

65.501

Spanish and Latin American Studies IA—Introductory Spanish (Double unit)

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

In both sessions the Spanish language is studied intensively. As soon as practicable tutorial classes are conducted entirely in Spanish.

Textbooks

Durán G. & M. *Vivir hoy* Harcourt Brace Jovanovich *
Locke P. *Ealing Course in Spanish* Longman *
Smith C. C. *Langenscheidt's Standard Dictionary: English-Spanish, Spanish-English* Hodder & Stoughton

2. History and Society

Session 1

Spanish studies.

Textbooks

Trend, J. B. *The Civilization of Spain*. OUP
Vicens Vives J. *Approaches to the History of Spain* California UP *

*Paperback.

Session 2

Latin American studies.

Textbooks

- Franco J. *The Modern Culture of Latin America* Penguin
 Pendle G. *A History of Latin America* Penguin
 Picón-Salas M. *A Cultural History of Spanish America from Conquest to Independence* California UP *
 Stein S. & B. *The Colonial Heritage of Latin America* OUP *

65.511

**Spanish and Latin American Studies IB
(Double unit)**

For students who have gained at least a Second Level pass in Spanish in the Higher School Certificate Examination or who have equivalent qualifications in Spanish.

1. History and Society

Session 1

Spanish studies.

Textbooks

As for 65.501.

Session 2

Latin American studies.

Textbooks

As for 65.501.

2. Literature

Session 1

A critical study of major works of Spanish literature 1830-1940.

Textbooks

- Baroja P. *El mundo es así* Pergamon
 García Lorca F. *La casa de Bernarda Alba* Biblioteca Contemporánea Losada
 Pérez Galdós B. *La de Bringas* Prentice-Hall
 Unamuno M. de *Niebla* Prentice-Hall
 Valle-Inclán R. M. *del Martes de Carnaval Austral Sonata de primavera—Sonata de estilo Austral*
 Selections from the works of Larra, Bécquer, Machado, Juan Ramón Jiménez, Guillén and Alberti.

Session 2

A critical study of major works of Spanish literature, 1499-1650.

Textbooks

- Anon *Lazarillo de Tormes* Jones R. O. ed Manchester UP
 Calderón de la Barca P. *La vida es sueño* Sioman A. E. ed Manchester UP
 Rojas F. de *La Celestina* Severin D. S. ed Alianza
 Tirso de Molina *Comedias* Tomo I Clásicos Castellanos 2
 Selections from the works of Garcilaso, Fray Luis de León, San Juan de la Cruz, Quevedo, Góngora and Cervantes are also studied.

65.521

**Spanish and Latin American Studies IC
(Double unit)**

For students who have gained a Third Level pass in Spanish at the Higher School Certificate or its equivalent.

1. Language

Sessions 1 and 2

An intensive study of the Spanish language.

Textbooks

- Colecchia F. *Repaso oral* D. C. Heath & Co
 Kiddle M. E. & Wegmann B. *Perspectivas* Holt Rinehart & Winston

2. History and Society

Session 1

Spanish studies.

Textbooks

As for 65.501.

Session 2

Latin American studies.

Textbooks

As for 65.501.

3. Literature

Session 2

Spanish literary studies.

Textbook

Adrian G. W. *Modern Spanish Prose* 2nd ed Macmillan

Upper Level units

65.202

Spanish and Latin American Studies IIA

Prerequisite: 65.501 or 65.521.

1. Language

An intensive study of the Spanish language.

Textbooks

As for 65.521.

2. History and Society

Aspects of twentieth-century Spain.

Textbooks

- Payne S. *Franco's Spain* Routledge
 Perceval M. *The Spaniards: How They Live and Work* David & Charles

3. Literature

Post-civil-war Spanish literature.

Textbooks

- Buero Vallejo A. *En la ardiente oscuridad* Wolsky S. A. ed Scribners
 Burns A. *Doce cuentistas españoles de la posguerra* Harrap
 Selected poems.

*Paperback.

Arts

65.203

Spanish and Latin American Studies IIB

Prerequisite: 65.202.

1. Language

As for 65.202.

2. History and Society

Contemporary society in Latin America.

3. Literature

Modern Spanish-American Literature.

Textbooks

Azuela M. *Los de abajo* Richardson W. A. R. ed Harrap

Usigli R. *El gesticulador* Harrap

Selected poems.

Advanced Level units

65.222

Spanish and Latin American Studies IIA (Advanced)

Prerequisite: 65.501 or 65.521. **See Note 1 below.**

As for 65.202 plus composition through literature.

Textbook

Ayllón C. & Smith P. *Spanish Composition through Literature*

Prentice-Hall

65.223

Spanish and Latin American Studies IIB (Advanced)

Prerequisite: 65.222. **See Note 1 below.**

As for 65.203 plus composition through literature.

Textbooks

As for 65.222.

Upper Level units

65.212

Spanish and Latin American Studies IIC

Prerequisite: 65.511.

In addition to literature either history or linguistics must be studied.

1. Literature

As for 65.511, Session 1,

plus

Alas L. *La Regenta* Alianza

2. Linguistics

An introduction to linguistics with special reference to Spanish.

Textbook

No set texts.

3. History and Society

Aspects of post-civil-war Spain.

Textbooks

As for 65.202.

65.213

Spanish and Latin American Studies IID

Prerequisite: 65.212.

In addition to literature either history or linguistics must be studied.

1. Literature

Latin American literature from the chronicles of discovery and conquest to modernism.

Textbooks

Brotherston G. *Spanish American Modernista Poets* Pergamon

Cruz Sor Juana Inés de la *Antología* Anaya

Echeverría E. *La cautiva y El matadero* Clásicos Huemul

Hernández J. *Marín Hierro* Biblioteca Contemporánea, Losada

Lillo B. *Sub terra* Nascimento

2. Linguistics

As for 65.212.

3. History and Society

As for 65.203.

Advanced Level units

65.232

Spanish and Latin American Studies IIC (Advanced)

Prerequisite: 65.511. **See Note 2 below.**

As for 65.212 plus an introduction to critical method.

65.233

Spanish and Latin American Studies IID (Advanced)

Prerequisite: 65.232. **See Note 2 below.**

As for 65.213 plus an introduction to critical method.

Upper Level units

65.242

Spanish and Latin American Studies IIE. Spain and Latin America: 1400-1810

Prerequisite: any one of 51.501, 51.511, 51.521; both of 53.101 and 53.102; 54.501, 65.501, 65.511, 65.521; both of 15.601 and 15.611 or both of 15.701 and 15.711. Other students may be

admitted to the unit by the School. See notes 3 and 4(c) and (d) below.

This unit is taught in English and is offered primarily for students with Level I studies in one of the social sciences. It 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.

The relationship between Spain and its empire in America; the development of the social, political and economic institutions of the colonies.

Textbooks

Elliott J. H. *Imperial Spain, 1469-1716* Penguin
Haring C. H. *The Spanish Empire in America* Harcourt Brace Jovanovich
Stein S. & B. *The Colonial Heritage of Latin America* OUP

65.243

Spanish and Latin American Studies IIF. Latin America: 1810-1975

Prerequisite: any one of 51.501, 51.511, 51.521; both of 53.101 and 53.102; 54.501, 65.501, 65.511, 65.521; or both of 15.601 and 15.611 or both of 15.701 and 15.711. Other students may be admitted to the unit by the School. See notes 3 and 4(c) and (d) below.

This unit is taught in English and is offered primarily for students with Level I studies in one of the social sciences. It 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.

The reasons why the nations of Latin America, having gained independence of Spanish and Portuguese rule, became enmeshed in other networks of economic and political dependence and how they have attempted to extricate themselves from them.

Textbooks

Cockcroft, J., Frank A. G. & Johnson D. *Dependence and Underdevelopment* Doubleday Anchor
Cumberland C. *Mexico: The Struggle for Modernity* OUP
Scobie J. *Argentina: A City and a Nation* OUP
Stein S. & B. *The Colonial Heritage of Latin America* OUP

65.204

Spanish and Latin American Studies IIIA

Prerequisite: any one of 65.203, 65.223, 65.213, 65.233.

See note 4 below.

1. *Language* (for students who have passed 65.203 or 65.223)
An intensive study of the Spanish language.

Textbooks

Neale-Silva E. & Nelson D. A. *Lengua hispánica moderna* Holt Rinehart & Winston
Smith, C. C. *Collins' Spanish-English, English-Spanish Dictionary*. Collins. VOX. *Diccionario general ilustrado de la lengua española*. Spes

2. (a) *Literature* (for students who have passed 65.203 or 65.223)

As for 65.511, Session 1.

(b) *Literature and Linguistics* (for students who have passed 65.213 or 65.233).

One topic is studied in each seven weeks of the session. Students may select two of the following topics.

Textbooks

A *the "Celestina"*
Rojas F. de *La Celestina* Severin D. S. ed Alianza

B *the picaresque novel*

Alemán M. *Guzmán de Alfarache* Tomos 1 and 5 only
Clásicos Castellanos 73 and 114
Anon *Lazarillo de Tormes* Jones R. O. ed Manchester UP
Cervantes M. de *Novelas ejemplares* Tomo 1 Clásicos Castellanos 27
Quevedo F. de *El buscón* Clásicos Castellanos 5

C *chronicles of the discovery and conquest of Mexico*

Cortés H. *Cartas de relación de la conquista de Méjico* Austral
Díaz B. *Historia verdadera de la conquista de la Nueva España* Austral

D *Spanish poetry of the Golden Age*

Terry A. ed *An Anthology of Spanish Poetry, 1500-1700* Parts 1 and 2 Pergamon

E *the Golden Age theatre*

Calderón de la Barca P. *No hay más fortuna que Dios* Parker A. A. ed Manchester UP
Calderón de la Barca P. *El médico de su honra*. Clásicos Castellanos 142
Moreto A. *Teatro* Clásicos Castellanos 32
Tirso de Molina *El condenado por desconfiado* Morón C. & Adorno R. eds Colección Latras Hispánicas
Vega L. de *Fuenteovejuna* Clásicos Castalia
Vega L. de *El caballero de Olmedo* Anaya

F *Cervantes*

Cervantes M. de *Don Quijote* Harrap

G *the nineteenth-century Spanish novel*

Alas L. *La regenta* Alianza
Pérez Galdós B. *Miau* Mulvihill E. R. & Sánchez R. eds OUP NY

H *gauchescue literature*

Güiraldes R. *Don Segundo Sombra* Beardsell P. R. ed Pergamon
Hernández J. *Martín Fierro* Biblioteca Contemporánea Losada
Additional material for study is provided by the School.

I *modern Spanish-American poetry*

Aridjis H. *Seis poetas latinoamericanos de hoy* Harcourt Brace Jovanovich

J *contemporary Spanish-American fiction*

Borges J. L. *El Aleph* Emecé
Cortázar J. *Final de juego* Sudamericana
Rulfo J. *Pedro Páramo* Fondo de Cultura Económica

K *applied linguistics in Spanish*

No set texts. Necessary materials are provided by the School.

L *Hispanic Sociolinguistics*

Trudgill P. *Sociolinguistics* Penguin

M *Linguistics and Literary Style*

3. *History* (for students who have passed any one of the prerequisites for the unit and in addition have passed or are enrolled in 65.242).

Nineteenth-century Latin America.

65.205 Spanish and Latin American Studies IIIB

Prerequisite: 65.204.

See note 4 below.

1. Language (for students who have passed 65.203 or 65.223)
As for 65.204.

2. A Literature (for students who have passed 65.203 or 65.223)

As for 65.511, Session 2.

B Literature and Linguistics (for students who have passed 65.213 or 65.233)

Students must study a further two options taken from the list for 65.204.

3. History (for students who have passed or are enrolled in 65.243 and who studied the history option of 65.204)

Patterns of Revolution in Latin America.

65.214 Spanish and Latin American Studies IIIC

Prerequisite: any one of 65.203, 65.223, 65.213, 65.233.

See note 4 below.

1. Language

As for 65.204 (for students who have passed 65.203 or 65.223).

2. A Literature (for students who have passed 65.203 or 65.223)

Modern Latin American Literature.

Textbooks

Aridjis H. *Seis poetas latinoamericanos de hoy* Harcourt Brace Jovanovich

Coleman A. *Cinco maestros: cuentos modernos de Hispanoamérica* Harcourt Brace & World

Fuentes C. *Cantar de ciegos* Joaquín Mortiz

Quiroga H. *Cuentos escogidos* Pergamon

Vargas Llosa M. *Los cachorros* Lumen ed de bolsillo 3

Selected poems by Gabriela Mistral and Cardenal.

B Literature and Linguistics (for students who have passed 65.213 or 65.233)

As for 65.204.

Students enrolled in both 65.204 and 65.214 concurrently must study four options taken from the list for 65.204.

65.215 Spanish and Latin American Studies IIID

Prerequisite: 65.214. **See note 4 below.**

1. Language (for students who have passed 65.203 or 65.223)
As for 65.204.

2. A Literature (for students who have passed 65.203 or 65.223)
As for 65.213.

B Literature and Linguistics (for students who have passed 65.213 or 65.233)

Students must study a further two options taken from the list for 65.204. Students enrolled in both 65.205 and 65.215 concurrently must study a further four options taken from the list for 65.204.

Advanced Level units

65.224 Spanish and Latin American Studies IIIA (Advanced)

Prerequisite: satisfactory performance in 65.222 and 65.223 or 65.232 and 65.233. **See Notes 5 and 8 below.**

As for 65.204 plus one of **1.** seminar on critical methods for students specializing in literature or literature and linguistics;

2. project in linguistics for students specializing in linguistics and literature;

3. project for students specializing in history.

65.225 Spanish and Latin American Studies IIIB (Advanced)

Prerequisite: 65.224. **See Notes 5 and 6 below.**

As for 65.205 plus as for 65.224.

65.234 Spanish and Latin American Studies IIIC (Advanced)

Prerequisite: satisfactory performance in 65.222 and 65.223 or 65.232 and 65.233. **See Notes 5 and 6 below.**

As for 65.214 plus as for 65.224.

65.235 Spanish and Latin American Studies IIID (Advanced)

Prerequisite: 65.234. **See Notes 5 and 6 below.**

As for 65.215 plus as for 65.225.

Honours Level units

65.506 Spanish and Latin American Studies (Honours)

Prerequisite for candidates for the single special honours degree: satisfactory performance in 65.224, 65.225, 65.234 and 65.235.

Prerequisite for candidates for a combined special honours degree: satisfactory performance in either 65.224 and 65.225 or 65.234 and 65.235.

1. Language

Advanced study of the Spanish language.

2. Literature, Linguistics, Thought and History

Four special subjects in Spanish and Spanish-American studies.

Candidates for a combined special honours degree shall normally study only two special subjects.

A short thesis written in Spanish on one of the special subjects.

Candidates for a combined special honours degree shall normally write their thesis on a subject of interest to both of the schools in which they are enrolled; the thesis may be written in Spanish or in another foreign language taught in the Faculty but only in exceptional circumstances may it be written in English.

65.234 and 65.235 if they are candidates for single special honours or in 65.224 and 65.225 or 65.234 and 65.235 if they are candidates for combined special honours. In addition they must complete the advanced work prescribed for units 65.222 and 65.223 or 65.232 and 65.233 in their third year of studies.

6. Advanced Level units 65.224 and 65.225, and 65.234 and 65.235 are designed primarily for students who wish to proceed to Honours Level unit 65.506. Other students who have completed satisfactorily any one pair of the pairs of units 65.202 and 65.203, 65.222 and 65.223, 65.212 and 65.213, 65.232 and 65.233 but who do not wish to proceed to Honours Level may enrol in units 65.224 and 65.225, 65.234 and 65.235, 65.224 and 65.235, and 65.234 and 65.225 instead of units 65.204 and 65.205, 65.214 and 65.215, 65.204 and 65.215, and 65.214 and 65.205.

Notes

1. Advanced Level units 65.222 and 65.223 are designed primarily for students who wish to proceed to Honours Level unit 65.506. Other students who have completed satisfactorily unit 65.501 or unit 65.521 but who do not wish to proceed to Honours Level may enrol in units 65.222 and 65.223 instead of in units 65.202 and 65.203 at the discretion of the School.

2. Advanced Level units 65.232 and 65.233 are designed primarily for students who wish to proceed to Honours Level unit 65.506. Other students who have completed satisfactorily unit 65.511 but who do not wish to proceed to Honours Level may enrol in units 65.232 and 65.233 at the discretion of the School.

3. Upper Level units 65.242 and 65.243 may be included in a sequence within the School and may be taken concurrently or sequentially with other units, provided that normal prerequisites for those units are met.

4. A Seven-week seminar topics in literature and linguistics in units 65.204, 65.214, 65.205 and 65.215 are available only to students who have passed 65.213 or 65.233. Two topics to be studied in each unit.

B Students who have passed 65.203 or 65.223 wishing to specialize in Spanish literature should enrol in 65.204 and 65.205; those wishing to specialize in Spanish American literature should enrol in 65.214 and 65.215.

C Students who have passed 65.213 or 65.233 wishing to specialize in Latin American history must enrol in 65.204 and 65.205 and take the history seminar in each unit in lieu of the two seminars in literature or linguistics prescribed for these units. In addition they must have passed or be enrolled concurrently in 65.242 and 65.243. A major sequence in this specialization consists of 65.511, 65.212, 65.213, 65.242, 65.243, 65.204 and 65.205.

D Students who have passed 65.203 or 65.223 wishing to specialize in Latin American history must enrol in 65.204 and 65.205 and take the history seminar in each unit in lieu of the fourteen-week literature seminar. In addition, they must have passed or be enrolled concurrently in 65.242 and 65.243. A major sequence in this specialization consists of 65.501, 65.202, 65.203, 65.242, 65.243, 65.204, 65.205.

5. Students who decide at the beginning of their third year of studies that they wish to proceed to Honours Level unit 65.506 and who have completed satisfactorily units 65.202 and 65.203 or units 65.212 and 65.213 must enrol in units 65.224, 65.225,

Student's Timetable										
Time	Monday		Tuesday		Wednesday		Thursday		Friday	
	Session 1	Session 2	Session 1	Session 2	Session 1	Session 2	Session 1	Session 2	Session 1	Session 2
9-10										
10-11										
11-12										
12-1										
1-2										
2-3										
3-4										
4-5										
5-6										
6-7										
7-8										
8-9										

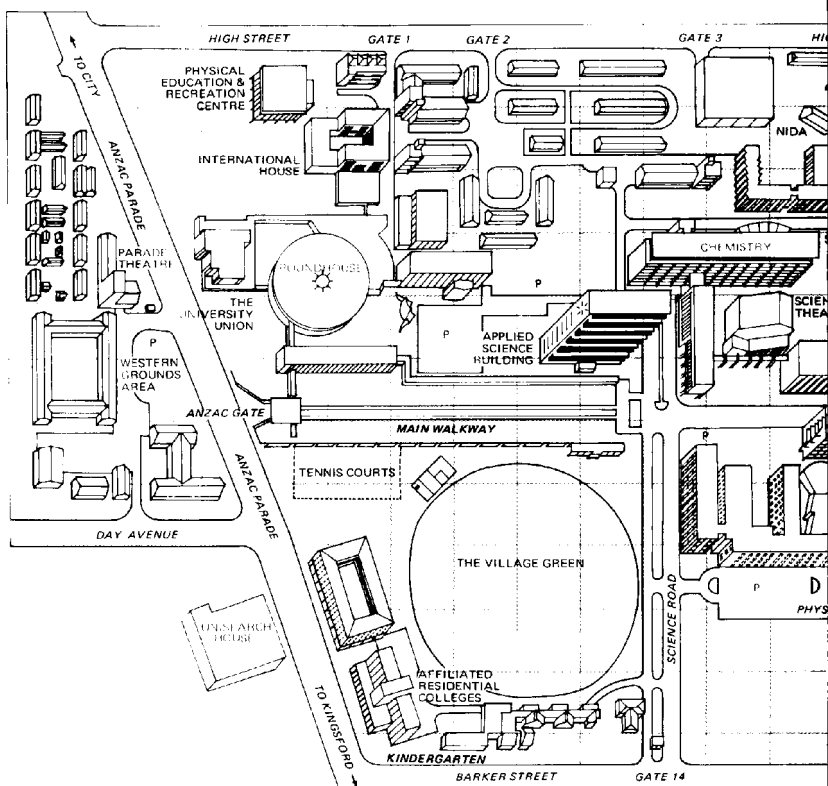
ENGLISH TIMETABLE

50.511	ENGLISH IA	Wednesday	11-12	Science Hall
		Thursday	11-12	Science Hall
		Friday	11-12	Science Hall
50.521	ENGLISH IB	Wednesday	11-12	STB C
		Thursday	11-12	STB C
		Friday	11-12	STB C
50.512	ENGLISH IIA	Wednesday	3-4 p.m.	CLB 6
		Thursday	3-4 p.m.	CLB 6
		Friday	3-4 p.m.	CLB 6
50.522	ENGLISH IIB	Wednesday	11-12	MB 310
		Thursday	11-12	MB 310
		Friday	11-12	MB 310
50.513	ENGLISH IIIA	Wednesday	12-1	CLB 4
		Thursday	12-1	CLB 4
		Friday	12-1	CLB 4
50.523	ENGLISH IIIB	Tuesday	2-4	Seminar Room MB
		Wednesday	2-4	Seminar Room MB
		Friday	9-10	Seminar Room MB
50.532	ENGLISH IIC	Wednesday	12-1	MB 309
		Friday	12-1	MB 309
		+ 50.512		

STB = Science Theatre Block

CLB = Central Lecture Block

MB = Morven Brown Building (Arts)



THE UNIVERSITY OF NEW SOUTH

BUILDINGS

Applied Science F11
Architecture H15
Banks F22, F7
Basser College B18
Biological Sciences D26
Biological Sciences Extensions E25
Biomedical Lecture Theatres E27
Central Lecture Block E19
Central Store B13
Chancellery B/C 22
Child Minding Centre N8
Civil Engineering H20
Cracknell Sports Pavilion H8
Dalton (Chemistry) G12
Electrical Engineering G17
Electrical Engineering
Lecture Theatre F17
Goldstein College B/C/D16
International House C7
John Goodsell (Commerce) F20
Keith Burrows Lecture Theatre H14
Kensington College C15/16/17
Library - Stage 2 F21/22
Main Building J/K13/14/15/16
Maintenance Workshop B13
Mechanical Engineering H17
Medicine (Administration) B27

Menzies Library E21/22
Metallurgy E8/9
Morven Brown (Arts) C/D19/20
New College (Anglican) K/L6
Newton Building J/K12
National Institute of Dramatic Art C15
Old Main Theatre J14
Parade Theatre and
Old Tote Theatre Company E3
Philip Baxter College D13/14/15
Physical Education and
Recreation Centre B5/6
Robert Heffron (Chemistry) E12/13
Sciences Building F23/24
Science Lecture Theatre Block D23
Science Theatre F13
Shalom College (Jewish) M9/10
Sir John Clancy Auditorium D23/24
Sir Robert Webster (Textiles) G14/15
Squash Courts B7
Union (Roundhouse) Stage I E/F 6/7
Union (Blockhouse) - Stage II F6/7
Union (Squarehouse) - Stage III D/E5
Union (Golf House) - Subsidiary A27
Unisearch House L5
University Regiment H3
Wallace Wirth School of Medicine C26
Warrane College (Roman Catholic) M6/7
Western Campus A J 2/3, H/J 3/4

Wool and Pastoral Sciences B8

GENERAL

Accountancy C20
Admissions Office B22
Aeronautical Engineering J/K/L18
Anatomy C26
Applied Geology F11
Applied Physics J12
Applied Science (Faculty Office) F11
Appointments Office B22
Architecture (including Faculty Office) H15
Arts (Faculty Office) D20
Biochemistry D26
Biological Sciences (Faculty Office) D26
Biological Technology D26
Biomedical Library D27
Bookshop G17
Botany D26
Building H15
Cashier's Office B22
Centre for Medical Education
Research and Development E24
Ceramic Engineering D12
Chemical Engineering F11
Chemical Technology F11
Chemistry E12/13, F/G12

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, conditions for the award of degrees, scholarships, prizes, and so on, you should consult the Calendar.

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 General Education.

The Calendar and Handbooks are available from the Cashier's Office. The Calendar costs \$3 (hard cover) and \$2.50 (soft cover) (plus postage and packing, 90 cents). The Handbooks vary in cost. Applied Science, Arts, Commerce and Science are \$1.50; Architecture, Engineering, Law, Medicine and Professional Studies are \$1.00. Postage is 40c in each case. The exception is General Studies, which is free.