

FACULTY OF ARTS

1975 HANDBOOK



THE UNIVERSITY OF NEW SOUTH WALES

\$1.50

SOME PEOPLE WHO CAN HELP YOU

Note: All phone numbers below are University extension numbers. If you are dialling from outside the University dial 663 0351 and ask for the extension.

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

continued on inside back cover

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P.O. Box 1, Kensington, N.S.W. 2033

Phone: 663 0351

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TABLE OF CONTENTS

GENERAL INFORMATION	1
Calendar of Dates	2
Organization of the University	5
Student Services and Activities	8
Accommodation	8
Student Clubs and Societies	11
Financial Assistance to Students	13
Tertiary Education Assistance Scheme	13
Scholarships, Cadetships	14
Other Financial Assistance	14
Financial Assistance to Aboriginal Students	15
Rules and Procedures	16
Admission and Enrolment	16
Fees	23
Examinations	25
Student Conduct on Campus	29
Further Information	31
PREFACE	33
STAFF	34
FACULTY INFORMATION	
Faculty of Arts Enrolment Procedure	47
Deferred Examinations in Arts and Commerce	50
Prizes	51
Student Clubs and Societies	53
COURSES AVAILABLE FOR DEGREE OF BACHELOR OF ARTS	
Schedule A	57
Schedule B	100

UNDERGRADUATE COURSES

The Degree of Bachelor of Arts	102
--------------------------------	-----

RULES GOVERNING THE AWARD OF THE DEGREE OF BACHELOR OF ARTS	104
---	-----

THE DEGREE OF BACHELOR OF SOCIAL SCIENCE	108
--	-----

DESCRIPTIONS OF SUBJECTS

Biology	110
Chemistry	115
Computer Science	118
Drama	119
Economic History	132
Economics	141
English	148
French	154
Geography	166
Geoscience	180
German	184
History	193
History and Philosophy of Science	206
Industrial Relations	218
Mathematics	221
Statistics	234
Philosophy	240
Physics	254
Political Science	257
Psychology	269
Russian	279
Sociology	283
Spanish and Latin American Studies	297

PROVISIONAL TIMETABLE	310
-----------------------	-----

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.

Index to General Information

Accommodation	8	Library	8
Administration	6	Lost Property	31
Admissions Office	31	Notices	31
Admission	16	Organization of the University	5
Appeals	32	Ownership of students' work	30
Application for admission to degree or diploma	23	Parking	30
Attendance at classes	29	Physical Education and Recreation Centre (PERC)	10
Australian Armed Forces	12	Professorial Board	5
Bursar	6	Registrar	6
Business Manager	6	Residential Colleges	8
Calendar of dates	2	Scholarships	14
Cashier's hours	12	Schools	6
Change of address	30	Sports Association	12
Change of course programme	18	Student Amenities and Recreation ..	10
Chaplaincy Centre	12, inside back cover	Student Clubs and Societies	11
Conduct of students	29	Student Counselling and Research	10, inside back cover
Co-operative Bookshop	12	Student Employment	9
Council	5	Student Health	9, inside back cover
Deputy Registrar (Student Services)	15, inside back cover	Student Records	30
Enrolment	16	Student Representation	6
Examinations	25	Students' Union ..	11, inside back cover
Faculties	5	Tertiary Education Assistance Scheme	13
Fees	23	Travel Concessions	10
Financial assistance to Aboriginal students	15	Union Card	29
Housing Officer	9, inside back cover	University Union	10
Identification of subjects by numbers	6	Vice-Chancellor	6
Leave of absence	19		

Calendar of Dates for 1975

- Session 1:** March 3 to May 11
May Recess: May 12 to May 18
 May 19 to June 15
Midyear Recess: June 16 to July 20
- Session 2:** July 21 to August 24
August Recess: August 25 to August 31
 September 1 to November 2
Study Recess: November 3 to November 9

JANUARY

- Wednesday 1 New Year's Day—Public Holiday
 Friday 10 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 13 Timetables for *deferred* examinations available
 Friday 17 Last day for acceptance of applications by Admissions Office for transfer to another course within the University
- Monday 27 Australia Day—Public Holiday
 Tuesday 28 *Deferred* examinations begin

FEBRUARY

- Saturday 8 *Deferred* examinations end
 Friday 14 Last day for appeal against exclusion by students who infringed re-enrolment rules at *annual* examinations
- Monday 17 Enrolment period begins for new students and students repeating first year
- Friday 21 *Deferred* examination results available
 Monday 24 Enrolment period begins for second and later year students
- Tuesday 25 Last day for application for review of *deferred* examination results
- Friday 28 Last day for application for permission to re-enrol by students who infringed re-enrolment rules at *deferred* examinations

MARCH

- Monday 3 Session 1 commences
 Friday 14 Last day for acceptance of enrolments by new students (late fee payable)
- Thursday 20 Last day for appeal against exclusion by students who infringed re-enrolment rules at *deferred* examinations
- Thursday 27 Last day for changes in course programmes
 Last day for acceptance of enrolments by students re-enrolling in second and later years (late fee payable)
- Friday 28 to Easter
 Monday 31

APRIL

Thursday 3

Last day for students other than those attending a university for the first time to discontinue without failure subjects which extend over Session 1 only

Thursday 24

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

Friday 25

Anzac Day—Public Holiday

MAY

Tuesday 6

Publication of provisional timetable for June/July examinations

Monday 12

May Recess begins

Tuesday 13

Last day for acceptance of corrected enrolment details forms

Friday 16

Last day for students other than those attending a university for the first time to discontinue without failure subjects which extend over the whole academic year

Sunday 18

May Recess ends

Monday 19

Last day for students to advise of examination timetable clashes

JUNE

Tuesday 3

Publication of timetable for June/July examinations

Sunday 15

Session 1 ends

Monday 16

Queen's Birthday—Public Holiday

Tuesday 17

Midyear Recess begins

Midyear examinations begin

JULY

Tuesday 1

Midyear examinations end

Sunday 20

Midyear Recess ends

Monday 21

Session 2 begins

Thursday 31

Foundation Day

AUGUST

Friday 1

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

Thursday 21

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

Monday 25

August Recess begins

Sunday 31

Holiday for non-academic staff

August Recess ends

Last day for acceptance of applications for re-admission in 1976 after exclusion under the re-enrolment rules

SEPTEMBER

Friday 12

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

Monday 15

Last day for return of corrected enrolment details forms

Last day for applications from students graduating in 1976 for admission to University degrees and diplomas

Tuesday 23

Publication of provisional timetable for annual examinations

OCTOBER

Wednesday 1	Last day to apply to MUAC for transfer to another university in Sydney metropolitan area and Wollongong
Friday 3	Last day for students to advise of examination timetable clashes
Monday 6	Eight Hour Day—Public Holiday
Tuesday 21	Publication of timetable for annual examinations

NOVEMBER

Monday 3	Study Recess begins
Sunday 9	Session 2 ends
Monday 10	Annual examinations begin

DECEMBER

Tuesday 2	Annual examinations end
Thursday 25	Christmas Day—Public Holiday
Friday 26	Boxing Day—Public Holiday

1976

Session 1:	March 1 to May 9 <i>May Recess:</i> May 10 to May 16 May 17 to June 13 <i>Midyear Recess:</i> June 14 to July 18
Session 2:	July 19 to August 22 <i>August Recess:</i> August 23 to August 29 August 30 to October 31 <i>Study Recess:</i> November 1 to November 7

JANUARY

Friday 9	Last date for application for review of results of annual examinations
Monday 12	Publication of timetable for deferred examinations
Friday 16	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	Deferred examinations end
Monday 16	Enrolment period begins for new students and students repeating first year
Friday 20	Results of deferred examinations available
Monday 23	Enrolment period begins for second and later year students

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 1974 the University had 17,355 students and 3,958 staff who worked in more than eighty buildings. If staff and students at Broken Hill (W. S. and L. B. Robinson University College), Wollongong (an autonomous university in 1975), Duntroon (the Faculty of Military Studies) and Jervis Bay were included there were 19,594 students and 4,522 members of staff (academic and non-academic).

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 postgraduate 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 (e.g. the School of Chemistry, the School of Mathematics, etc.). 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 are 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 advise the Chairman of the Faculty you wish to attend, as different faculties have their own rules for the conduct of open meetings.

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 programmes; 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 Schools in which you will be studying, according to the following list:

Identifying Number	School, Faculty or Department	Identifying Number	School, Faculty or Department
1	School of Physics	43	School of Botany
2	School of Chemistry	44	School of Microbiology
3	School of Chemical Engineering	45	School of Zoology
4	School of Metallurgy	50	School of English
5	School of Mechanical and Industrial Engineering	51	School of History
6	School of Electrical Engineering	52	School of Philosophy
7	School of Mining Engineering	53	School of Sociology
8	School of Civil Engineering	54	School of Political Science
9	School of Wool and Pastoral Sciences	55	School of Librarianship
10	School of Mathematics	56	School of French
11	School of Architecture	57	School of Drama
12	School of Psychology	58	School of Education
13	School of Textile Technology	59	School of Russian
14	School of Accountancy	62	School of History and Philosophy of Science
15	School of Economics	63	School of Social Work
16	School of Health Administration	64	School of German
17	Biological Sciences	65	School of Spanish and Latin American Studies
18	Department of Industrial Engineering	66	University of Sydney subjects
19	School of Transportation and Traffic	69	Centre for Medical Education, Research and Development
20	School of Highway Engineering	70	School of Anatomy
21	Department of Industrial Arts	71	School of Medicine
22	School of Chemical Technology	72	School of Pathology
23	School of Nuclear Engineering	73	School of Physiology and Pharmacology
25	School of Applied Geology	74	School of Surgery
26	Department of General Studies	75	School of Obstetrics and Gynaecology
27	School of Geography	76	School of Paediatrics
28	School of Marketing	77	School of Psychiatry
29	School of Surveying	79	School of Community Medicine
31	School of Applied Physics and Optometry	80	Faculty of Medicine
33	Graduate School of Business	85	National Postgraduate School of Management Education
35	School of Building	90	School of Law
36	School of Town Planning	97	Division of Postgraduate Extension Studies
41	School of Biochemistry		
42	School of Biological Technology		

In Section D of the Calendar a short syllabus is given for each subject.

Student Services and Activities

The Library The University Library is on the upper campus and adjacent to the Chancellery and the Sciences, Arts and Commerce Buildings. It contains about 650,000 books and subscribes to more than 18,000 periodicals.

Students may borrow books by presenting a current Union card and the books at the Circulation Desk. 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.

The Bio-Medical Library is located in the Biological Sciences Building. The Law Library is on the 4th Floor of the Sciences Building. A Physical Sciences Library is being developed at present in the main Library building.

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. It is anticipated that the fees in most colleges will be increased for 1975. In addition, assistance is 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. Board and residence fees, which are payable on a session basis, amount to slightly more than \$30 per week. Apply in writing to the Master, P.O. Box 24, Kensington, N.S.W. 2033.

International House International House accommodates over 120 students from Australia and twenty other countries. Preference is given to more senior undergraduates and postgraduate students. Fees in 1974 were \$28 per week. Apply in writing to the Warden, International House, P.O. Box 88, Kensington, N.S.W. 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. Fees in 1974 were \$31 for undergraduates and \$32 for postgraduate students. Fees may change in 1975. Enquiries should be addressed to the Master, New College, Anzac Parade, Kensington, N.S.W. 2033.

Shalom College Shalom College provides accommodation for 86 men and women students. The basic fee for residence in 1975 is \$38 per week. 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, P.O. Box 1, Kensington, N.S.W. 2033.

Warrane College An affiliated Roman Catholic residential college, Warrane provides accommodation for 200 men students, both post-graduate and undergraduate. Basic fees in 1974 were \$30.50 per week for board and residence, payable on a session basis. Apply in writing to the Master, Warrane College, P.O. Box 123, Kensington, N.S.W. 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 programme 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 postgraduate scholarships is also available.

The service is located in the Chancellery on the ground floor. Telephone 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 a.m. and 5 p.m. Monday to Friday, and 6 p.m.-9 p.m. on Tuesdays and Thursdays. Telephone extension 2679 or 3275.

Student Counselling and Research Unit The Student Counselling and Research Unit provides individual and group counselling for all students—prospective, undergraduate and postgraduate. 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.

Confidential appointments are made by dropping in to the counselling unit (Huts B and I at the foot of Basser Steps) or by telephoning extensions 2600-2605 between 9.00 a.m. and 5.00 p.m. Evening appointments are also available.

Student Amenities and Recreation Unit 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 programme 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 Inquiry 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, 3261; 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 programme for both students and staff. If you would like to take part in any of the programmes 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 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 and conducts courses in many facets of the arts including weaving, photography, creative dance and yoga.

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:

(a) 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.

(b) A casual employment service.

(c) Organization of Orientation Week.

(d) Organization of Foundation Day.

(e) A nursery/kindergarten, "The House at Pooh Corner".

(f) Publication of the student paper "Tharunka".

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.

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; Ngunnagan 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 \$4.00.

Details of sporting facilities are available in "Action 75", 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.

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.

The University Chapel is in Hut F near the Chemistry Building, where full-time chaplains are also located. They may be contacted by phone at the following extensions: Anglican, 2684; Jewish, 3273; Roman Catholic, 2379; Churches of Christ, Methodist and Seventh Day Adventist, 2683.

University Co-operative Bookshop Limited Membership is open to all students, on payment of a fee of \$5.00, refundable when membership is terminated. Members receive an annual rebate on purchases of books.

Cashier's Hours The University cashier's office is open from 9.30 a.m. to 1.00 p.m. and from 2.00 p.m. to 4.30 p.m., Monday to Friday. It is open for additional periods during the first four weeks 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 663 0351, extn. 2406.

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

Air Force Squadron: The N.S.W. University Squadron has ceased to exist but students interested in the Royal Australian Air Force may apply for information to The Commanding Officer, N.S.W. Air Training Corps, 7 Hickson Road, Millers Point, N.S.W. 2000. Telephone 27 5412.

Financial Assistance to Students

Tertiary Education Assistance Scheme

The Tertiary Allowance Scheme, first introduced in 1974, has been renamed the Tertiary Education Assistance Scheme. Under this scheme assistance is available as follows:

- for full-time study in approved courses
- subject to a means test
- on a non-competitive basis
- without restriction
- to students who are not bonded
- to students who are permanent residents of Australia.

The following types of university courses will be eligible for assistance:

- Undergraduate and postgraduate degree courses
- Postgraduate 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 attempted 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 \$6,300 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 \$6,300 p.a. the amount of living allowance will be reduced by \$2 for every \$10 of income until the family income exceeds \$12,600 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 p.a.

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 \$8 per week for a dependent spouse and \$5 per week for each child.

How To Apply

Two different forms are used:

- 1 1974 Higher School Certificate candidates will be sent forms in early January. Applications should be made immediately after enrolment.
- 2 All other students should apply by 31st October. Forms will be sent in September to students who have been receiving an allowance. Other students may obtain forms from the Admissions Section or the Student Employment and Scholarships Unit, or from the Regional Director, N.S.W. State Office, Department of Education, Central Square, 323 Castlereagh Street, Sydney, N.S.W. 2000 (Telephone 2 0929).

Scholarships, Cadetships

1 *Undergraduate Scholarships* In addition to finance provided under the Australian Government's Tertiary Education Assistance Scheme there are a number of scholarships, cadetships and other forms of assistance available to undergraduate students.

Details of procedures for application for these awards are contained in the University Calendar.

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

2 *Postgraduate Awards* An honours degree is generally an essential requirement for gaining one of the many postgraduate 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 postgraduate 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.

(a) The Students' Union and the University have co-operated to provide assistance to students who are in financial difficulties which are considered likely to prejudice their studies.

Three main forms of assistance are available:

- 1 *Deferment of Payment of Fees* Deferments may be granted for a short period, usually one month, without the imposition of a late

fee penalty, provided the deferment is requested prior to the due date for fee payments.

In exceptional circumstances the University may consider granting deferments for up to twelve months or even longer. In cases where payment is deferred to 31st December, examination results will not be published or made available until such time as the outstanding fees are paid. Where deferments are granted to a date beyond 31st December, the University may require the student to enter into a formal agreement to repay the fees.

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 Long Term Cash Loans An amount of up to \$300 is available from this fund. Repayments must be started not later than twelve months after graduation or upon withdrawal from the course. This scheme is funded jointly by the University and the Students' Union. Students are required to enter into a formal agreement with the University to repay such a loan.

(b) 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 twelve months 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 of funds as mentioned in the preceding paragraph students who are in extremely difficult financial circumstances may apply for assistance by way of non-repayable grant. In order to qualify for a grant a student must generally show that the financial difficulty has arisen from misfortune beyond his control.

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

Applications may be made personally to the Deputy Registrar (Student Services), Room 148A, 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 enquiries relating to this scheme should be directed to the Deputy Registrar (Student Services), Room 148A, 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 University Calendar.

When and where do I enrol? To effect formal enrolment it is necessary to present a duly completed and authorized enrolment form to the University cashier together with, where payable, either the appropriate fees, or an authority authorizing those fees to be charged to some other person or institution.

All students are required to attend the appropriate enrolment centre during the prescribed enrolment period for authorization of course programme. Failure to do so will incur a fee of \$10. These enrolment centres and the times are listed in a leaflet called "Enrolment Procedures" which is available from the Admissions Office.

Fees should be paid during the prescribed enrolment period but will be accepted during the first two weeks of Session 1 (for late fees see below). No student is regarded as having completed enrolment until fees have been paid. Fees will not be accepted (i.e. enrolment cannot be completed) from new students in year-long courses after 14th March, 1975, and after 31st March from students who are re-enrolling, except with the express approval of the Registrar, which will be given in exceptional circumstances only.

Students enrolling for the first time in any year at the commencement of Session 2 for Session 2 courses only are required to pay all fees due within the first two weeks of that Session. Students' Activities fees payable will be half of the annual fees.

Medical Students

Although the structure of the academic year in the later years of the course in Medicine differs from that followed in other courses, medical students are required to observe the same dates for payment as apply to students in other courses.

How do assisted students (e.g. 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. If this voucher or letter is not available when enrolling they should complete their enrolment paying their own fees. A refund of fees will be made when the enrolment voucher or letter of authority is subsequently lodged with the Cashier.

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.

Your application must give year or stage, whether full-time or part-time, and the course in which you wish to enrol. State clearly and fully the reasons why payment cannot be made and the extension is sought and lodge your application before the date on which a late fee becomes payable. Normally the maximum extension of time for the payment of fees is one month for fees due in Session 1 and one month from the date on which a late fee becomes payable in Session 2.

If an extension of time is granted to a first year student in Session 1 the student may only attend classes on the written authority of the Registrar. This authority will not normally be given in relation to any course where enrolments are restricted.

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.

You will not be eligible to attend the annual examinations in any subject if any portion of your fees for the year is outstanding after the end of the fourth week of Session 2 (15th August, 1975).

In very special cases the Registrar may grant exemption from disqualifications referred to in the two preceding paragraphs 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 17th 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 programme? If you wish to seek approval to substitute one subject for another, add one or more subjects to your programme or discontinue part or all of your programme, 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 31st March.

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: one calendar month from the beginning 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 17th January of the same year that 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 the end of 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. They apply to all students other than those enrolled in programmes leading to a higher degree or diploma. It should be noted that these rules are independent of one another in that a student may infringe more than one rule simultaneously. A subject is defined as a unit of instruction identified by a distinctive subject number. At present the Appeal Committee referred to in Rule 8 consists of a Pro-Vice-Chancellor (Chairman), the Chairman of the Professorial Board, and the Member of Council elected by the graduates of the University. The Pro-Vice-Chancellor is Professor J. B. Thornton.

First-year Rule

- 1 i A student enrolled in the first year or first stage of any course, other than course 380, the Medical (MB BS) degree course, shall be required to show cause why he should be allowed to continue the course if he fails more than half the subjects in that year or stage.
- ii A student enrolled in the first year of course 380, the Medical (MB BS) degree course, shall be required to show cause why he should be allowed to continue the course if he fails more than two subjects in that year.
- iii The provisions of paragraphs (i) and (ii) shall be deemed to apply to a student enrolled in the second or later year or the second or later stage of any course who has transferred from another course or institution and who, in the first year of enrolment immediately following transfer, is enrolled in subjects so chosen that half or more are listed in the current University Calendar as first-year subjects.

Repeated-failure Rule

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

Time Rule—Completion of Years or Stages

- 3 i A full-time student in either course 340, the Arts (BA) degree course, or 403, the Social Work (BSW) degree course, shall be required to show cause why he should be allowed to continue the course if he is unable to complete eight one-session subjects (or the equivalent) by the end of his second year of attendance.
- ii Unless the provisions of paragraph (i) apply, a full-time student shall be required to show cause why he should be allowed to continue a course if he is unable to complete all subjects in the first year of the course by the end of his second year of attendance.
- iii A student in course 380, the Medical (MB BS) degree course, shall be required to show cause why he should be allowed to continue the course if he is unable to complete all subjects in the second year of the course by the end of his third year of attendance and the third year by the end of his fourth year.
- iv A part-time student in course 397, the Science (BSc) degree course, shall be required to show cause why he should be allowed to continue the course if he is unable to complete eight level-one units, including two in mathematics, by the end of his fourth year of attendance and fourteen units, including at least three at level two, by the end of his seventh year.
- v Unless the provisions of paragraph (iv) apply, a part-time student shall be required to show cause why he should be allowed to continue a course if he is unable to complete all subjects in the first two stages of the course by the end of his fourth year of attendance and the third and fourth stages by the end of his seventh year.

Time Rule—Completion of Course

- 4 A student shall be required to show cause why he should be allowed to continue a course which he is unable to complete in the time set down in the following schedule:

Number of years in course	Total years allowed from first enrolment to completion
3	5
4	6

5	8
6	9
7	11
8	12
9	14

Continuation Rule

- 5 i A student enrolled in a course who has transferred with a record of failure from another tertiary institution shall be required to show cause why he should be allowed to continue the course if he fails more than half the subjects in his first year of enrolment immediately following transfer.
- ii A student excluded from a course under the provisions of the Rules who has subsequently been allowed to re-enrol in that course or to transfer to another course shall show cause why he should be allowed to continue the course if he fails one or more subjects in his first year of re-enrolment or transfer.

General Exclusion Rule

- 6 The Vice-Chancellor may, on the recommendation of the Re-enrolment Committee of the Professorial Board, exclude from a course or courses any student who has been excluded from any other course under the provisions of the Rules and whose record at the University demonstrates the student's lack of fitness to pursue such course or courses.

'Showing Cause'

- 7 i 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 should be lodged with the Registrar.
- ii Any such application shall be considered by the Re-enrolment Committee which shall determine whether the cause shown is adequate to justify the student's being allowed to re-enrol.

Appeal

- 8 i 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 the Appeal Committee constituted by Council for this purpose. The decision of the Appeal Committee shall be final. In lodging such appeal with the Registrar the student should ensure that a complete statement is furnished of all grounds on which the appeal is based.
- ii The notification to any student of a decision by the Re-enrolment Committee to exclude him from re-enrolling in a course and/or subject(s) shall indicate that the student may appeal against that decision to the Appeal Committee.

- iii The Appeal Committee shall determine the appeal after consideration of the student's academic record and the stated grounds. In exceptional circumstances the Appeal Committee may require the student to appear in person.

Exclusion

- 9 i A student who is required to 'show cause' under the provisions of Rule 1 and either does not attempt to 'show cause' or whose application for special permission to re-enrol does not satisfy the Re-enrolment Committee (or the Appeal Committee on appeal) shall be excluded from re-enrolling in the subject(s) and course on account of which he was required to 'show cause'. Where the subjects are a prescribed part of any other course (or courses) he shall not be allowed to enrol in that course (or courses).
- ii A student who is required to 'show cause' under the provisions of Rule 2 and either does not attempt to 'show cause' or whose application for special permission to re-enrol does not satisfy the Re-enrolment Committee (or the Appeal Committee on appeal) shall be excluded from re-enrolling in any subject he has failed twice. *Where the subject is a prescribed part of the student's course he shall also be excluded from that course.* Where the subject is a prescribed part of any other course (or courses) he shall not be allowed to enrol in that course (or courses).
- iii A student who is required to 'show cause' under one or more of Rules 3-5 and either does not attempt to 'show cause' or whose application for special permission to re-enrol does not satisfy the Re-enrolment Committee (or the Appeal Committee on appeal) shall be excluded from re-enrolling in the course on account of which he was required to 'show cause'.
- iv A student excluded from a course under the provisions of any one or more of paragraphs (i)-(iii) may not enrol in miscellaneous subjects unless he has received the approval of the Admissions Committee of the Professorial Board.

Re-admission after Exclusion

- 10 i An excluded student may apply to the Re-enrolment Committee for re-admission after two academic years.
- ii An excluded student who intends applying for re-admission at a future date may seek advice as to ways in which he may enhance his prospects of re-admission. Such enquiries should be made on the form available from the Examinations and Student Records Section and should be lodged with the Registrar.
- iii 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 31st August in the year prior to that for which re-admission is sought. A late application will only be accepted at the discretion of the University.

iv **An application should include:**

- (a) evidence of appropriate study in the subject(s) (or the equivalent) on account of which the applicant was excluded, and
- (b) 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.

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 12th September, in a student's final year. 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 programme, must be submitted in writing to the Registrar no later than 30th January.

Fees*

Do I have to pay fees for tuition? No. On 1st January, 1974, fees for tuition were abolished. Other fees and charges remain 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. Late fees are charged where a student fails to observe required procedures by the appropriate time. 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 and 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 undergraduate students and students taking miscel-

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

laneous subjects (with the exception of External Students) will be required to pay:

University Union†—\$20 entrance fee

Student Activities Fees

University Union†—\$30 annual subscription

Sports Association†—\$4 annual subscription

Students' Union†

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

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

Miscellaneous—\$17 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.)

Where applicable, students will also be required to pay \$10 for the Pathology Instrument Kit, refundable on return in satisfactory condition.

The Deputy Registrar (Student Services) may, on application, waive student fees for students who, while enrolled in a degree or diploma course at another University in New South Wales, are given approval to enrol at the University of New South Wales in miscellaneous subjects which will be acceptable for credit towards the degrees or diplomas for which they are enrolled.

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

† Life members of these bodies are exempt from the appropriate fee or fees.

What penalties exist for late payment of fees? The following additional charges will be made in 1975 when fees are paid late:

Session 1—First Enrolments

Fees paid on the late enrolment date, 28th February or later but before 3rd March	\$10
Fees paid between 3rd and 14th March	\$20
Fees paid after 14th March with the express approval of the Deputy Registrar (Student Services) and Head of the School concerned	\$40

Session 1—Re-enrolments

Failure to attend enrolment centre during enrolment week 24th to 28th February	\$10
Fees paid between 17th and 31st March	\$20
Fees paid after 31st March where accepted with the express approval of the Deputy Registrar (Student Services)	\$40

Session 2—All Enrolments

Fees paid between 4th and 11th August	\$20
Fees paid thereafter	\$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 a refund of all fees paid will be made. After that time only a partial refund will be made.

Examinations

When are examinations held? Most annual examinations are held in November-December but examinations in many subjects are also held during the mid-year 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 Wallace Wurth Medical School, Biological Sciences Building, the Chancellery, Central Lecture Block, Dalton Building (Chemistry), Main Building (Mining and Physics), outside the Sciences Building and in the Western Grounds Area on 6th May and 23rd September. You must advise the Examinations Unit (Chancellery) of a clash in examinations by 19th May and 3rd October. Final timetables are displayed and individual copies are available for students on 3rd June and 21st 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 30th November) or to your vacation address (fill in a form obtainable at the Enquiry Desk, Chancellery, also by 30th November). Results are also posted on School noticeboards 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, 1974	Friday, 10th January, 1975
Deferred examinations held in	
January/February, 1975	Tuesday, 25th February, 1975
Annual examinations held in	
November/December, 1975	Friday, 9th January, 1976
Deferred examinations held in	
January/February, 1976	Tuesday, 24th February, 1976

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 *at an examination* 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, 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.

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.

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 Section A of the University 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 Enquiry 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, beyond prohibiting gambling on the campus and smoking during lectures, at examinations or in the library.

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 conduct yourself at all times in a seemly fashion.

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 programme 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 Professorial 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 at the University Union Enquiry Desk as soon as possible after fee payment. In the meantime, the fees receipt form should be carried during attendance at the University and shown on request. A period of at least three weeks should be allowed to elapse after payment of fees before making application for the card. Cards will not be posted under any circumstances.

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 not reaching you. The University cannot accept responsibility if official communications fail to reach students who have not notified their change of address. A Change of Address Advice Form is available at Faculty and School offices and at the Enquiry Counters on the Ground Floor of the Chancellery Building.

How are student records kept up to date? All students will receive enrolment details forms by 29th April and 1st September. It is not necessary to return these forms unless any information recorded thereon is incorrect. Amended forms must be returned to the Examinations and Student Records Section by 13th May and 15th September respectively. Amendments notified after the closing date will not be accepted unless exceptional circumstances exist and approval is obtained from the Registrar. Where a late amendment is accepted, a late fee of \$8 will be payable. 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); higher degree students (limited issue, annual fee \$7.80);

postgraduate, and senior undergraduate students who have completed three years of a full-time or part-time course (annual fee \$3.90). A permit will allow access to the campus between 5 p.m. and 11 p.m. 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.

Lost Property? All enquiries concerning lost property should be made to the Superintendent on extension 2503 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, scholarships 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 a.m. to 1 p.m. and 2 p.m. to 5 p.m. 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.

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".

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.

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CHAIRMAN—Professor R. Johnson

EXECUTIVE ASSISTANT—Associate Professor A. A. Congalton

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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 Section B of the Calendar.

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 post-graduate students should seek further information from the Head of the School concerned.

Details of the requirements and the conditions governing the award of these graduate degrees and diplomas are contained in Section C of the Calendar.

FACULTY OF ARTS ENROLMENT PROCEDURE

Preliminary Enrolment

Re-enrolment forms and Form Arts/75 will be obtainable from the Faculty Office, Room G1, Arts Building, from 15th October 1974. Each student must collect these forms and return them completed to the Faculty Office no later than 17th January 1975. 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 1975 programme can make an appointment to discuss it by telephoning 663-0351, extension 2248, or calling at the Faculty Office, Room G1, Arts Building.

Students who fail to comply with the above instructions will be required to attend one of the late enrolment periods on either Wednesday 5th or Wednesday 12th March, between 2.00 p.m. and 6.00 p.m. and pay the late fee.

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 20th February 9.30 a.m. to 12.30 p.m.
Surnames D to H	Thursday 20th February 2.30 p.m. to 5.00 p.m.
Surnames I to L	Friday 21st February 9.30 a.m. to 12.30 p.m.
Surnames M to O	Friday 21st February 2.30 p.m. to 5.00 p.m.
Surnames P to S	Monday 24th February 9.30 a.m. to 12.30 p.m.
Surnames T to Z	Monday 24th February 2.30 p.m. to 5.00 p.m.

Year 3

Surnames A to C	Tuesday 25th February 9.30 a.m. to 12.30 p.m.
Surnames D to H	Tuesday 25th February 2.30 p.m. to 5.00 p.m.
Surnames I to L	Wednesday 26th February 9.30 a.m. to 12.30 p.m.
Surnames M to O	Wednesday 26th February 2.30 p.m. to 5.00 p.m.
Surnames P to S	Thursday 27th February 9.30 a.m. to 12.30 p.m.
Surnames T to Z	Thursday 27th February 2.30 p.m. to 5.00 p.m.

Year 4

Surnames A to L	Friday 28th February 9.30 a.m. to 12.30 p.m.
Surnames M to Z	Friday 28th February 2.30 p.m. to 5.00 p.m.

New Students with Advanced Standing

Friday 28th February
9.30 a.m. to 12.30 p.m.
2.30 p.m. to 5.00 p.m.
6.00 p.m. to 7.30 p.m.

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. See under FEES for the fees applicable.

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. **Where a student is under exclusion he may not be enrolled in any miscellaneous subjects unless given prior approval by the Professorial Board.**

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

Friday 28th February, 9.30 a.m. to 12.30 p.m.

Students unable to enrol at the above time may enrol by attending the Admissions Office, Chancellery, at the times shown below, with written permission to enrol from the Head of School.

Week commencing 3rd March: Monday to Friday

9.30 a.m. to 1.00 p.m.

2.00 p.m. to 4.30 p.m.

5.30 p.m. to 8.00 p.m.

Week commencing 10th March: Monday to Friday

9.30 a.m. to 1.00 p.m.

2.00 p.m. to 4.30 p.m.

Wednesday and Friday

5.30 p.m. to 8.00 p.m.

Late Enrolments

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

There are two late enrolment sessions:

First Late Enrolment Period

Wednesday 5th March

Second Late Enrolment Period

Wednesday 12th March

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

Faculty Office, Room G1
Ground Floor
Morven Brown Building
2.00 p.m. to 6.00 p.m.

Enquiries Concerning Course Regulations

Students requiring assistance should consult the Faculty of Arts Office, Tel.: 663-0351, extn. 2248, Room G1, Morven Brown Building.

DEFERRED EXAMINATIONS IN ARTS AND COMMERCE

- (i) 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 (ii) 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;
- (ii) 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.

PRIZES

<i>School/Department</i>	<i>Donor/Name of Prize</i>	<i>Value \$</i>	<i>Awarded for</i>
General	Sydney Technical College Union Award	50.00	Leadership in the development of student affairs and academic proficiency throughout the course.
	University of New South Wales Alumni Association	Statuette	Achievement for community benefit—students in their final or graduating year.
School of Drama	Fourth Centenary Shakespeare	50.00	Essay on Shakespearean topic.
School of English	New South Wales Association of University Women Graduates	20.00	English essays—women students only.
School of History	The Ritchie Medal for Australian History	Medal	Arts—excellence in Australian History—within the Bachelor of Arts Course.

PRIZES (continued)

<i>School/Department</i>	<i>Donor/Name of Prize</i>	<i>Value \$</i>	<i>Awarded for</i>
School of Mathematics	School of Mathematics	25.00	Higher Mathematics I.
		25.00	Higher Pure Mathematics II.
		25.00	Higher Applied Mathematics II.
		25.00	Higher Pure Mathematics III.
		25.00	Higher Applied Mathematics III.
	The Broken Hill Proprietary Co. Ltd.	50.00	Higher Theory of Statistics II.
	The W.D. & H.O. Wills (Aust.) Ltd. Prize	50.00	Higher Theory of Statistics III.
	I.C.I. Australia Ltd.	50.00	Theory of Statistics IV.
School of Political Science	Australian Institute of Political Science	20.00	General proficiency—Theory of Statistics subjects.
		40.00	54.111 Political Science I.
		and one year's sub- scription to the "Australian Quarterly"	
		50.00	Best dissertation on a political topic or topics in the Faculty of Arts.
		21.00	54.112 Political Science II.
		75.00	Distinguished performance in the Political Science Course.
School of Political Science	The Sydney Morning Herald	100.00	Political Science III or IV.

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, P.O. Box 1, Kensington, N.S.W. 2033.

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

Dramsoc (University of N.S.W. 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 programme 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.

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

Social and cultural activities are wide in range, including dinners (especially Bastille Day), wine and cheese soirées, films, discussions and theatre parties. This year a residential weekend is planned for early in Session 1, where French language and ideas will be put into action. All new students are encouraged to attend.

The Society meets regularly one day a week, during the lunch break. (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. Topics ranging from *Rhythm and Random Number Poetry*, through *Peter Weiss—Author of Marat-Sade*, to *Bob Dylan—Poet* have been discussed. Members of staff and such distinguished speakers as Dr. Clement Semmler, critic Harry Kippax and novelists Thea Astley and Margaret Dick have given papers.

All those interested are urged to come along. Further information may be obtained from Professor R. G. Geering (School of English), ext. 2246.

The German Society

The German Society idealistically aims to provide media at which students of German (and others) can meet each other and so be able to exchange views on their subject/s, teachers, weather and sometimes Germany and its achievements—cultural and other.

The Society tries to achieve this through film nights, informal meetings, term dinners, or other means which students may wish to suggest.

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 programme 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 (e.g., 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.

The Society is situated in Room 810, Sciences Building (upper campus). All students interested in joining the committee, or simply in becoming members, are urged to contact Karen Cornwell, 3/52-54 Chuter Avenue, Ramsgate 2217 (Phone: 529 4316).

COURSES AVAILABLE FOR 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 Description of Subjects in this handbook.

Information on the content of each of the units also may be found in Section D of the Calendar.

BIOLOGY

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
17.011	Biology of Mankind	I	1	Session 1	6	Science at Level 2S or higher		
17.021	Comparative Functional Biology	I	1	Session 2	6	17.011		
17.012	General Ecology	II	1	Session 1	6	17.001 or 17.011 and 17.021		
43.101	Genetics	II	1	Session 2	6			
43.111	Plant Evolution and Ecology	II	1	Session 1	6			
43.121	Plant Physiology	II	1	Session 2	6	17.001 or 17.011 and 17.021 2.001 or 1.001* or 1.031* or 1.041*		
43.132	Mycology	III	1	Session 2	6	17.001 or 17.011 and 17.021		
43.142	Environmental Botany	III	1	Session 1	6	17.001 or 17.011 and 17.021 1.001 or 1.031 or 1.041		
43.152	Plant Pathology	III	1	Session 2	6	17.001 or 17.011 and 17.021		

BIOLOGY (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
45.101	Biometry	II	1	Session 1	6	17.001 <i>or</i> 17.011 <i>and</i> 17.021		
45.201	Invertebrate Zoology	II	1	Session 2	6	17.001 <i>or</i> 17.011 <i>and</i> 17.021		
45.301	Vertebrate Zoology	II	1	Sessions 1 and 2	6	17.001 <i>or</i> 17.011 <i>and</i> 17.021		

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

SCHOOL OF CHEMISTRY

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
2.001	Chemistry I	I	2	Full year	6	H.S.C. Science 2S		
2.002A*	Physical Chemistry	II	$\frac{1}{2}$	Half year	6	1.001 <i>or</i> 1.011 <i>and</i> 2.001 <i>and</i> 10.001 <i>or</i> 10.011 <i>or</i> 10.021		
2.042C*	Inorganic Chemistry	II	$\frac{1}{2}$	Half year	6	2.001		
2.002D*	Analytical Chemistry	II	$\frac{1}{2}$	Half year	6	2.001 <i>and</i> 10.001 <i>or</i> 10.011 <i>or</i> 10.021		
2.002B*	Organic Chemistry	II	$\frac{1}{2}$	Half year	6	2.001		

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

COMPUTER SCIENCE

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
6.601A	Introduction to Computer Science	II	1	Session 1	5	10.001		
6.601A*	Introduction to Computer Science	II	1	Full year	2½	10.001		
6.602C	Computer Applications	III	1	Session 1	5	6.601A		

* Offered only in the evening

SCHOOL OF DRAMA

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
57.101	World Drama I	I	1	Session 1	5			
57.102	World Drama II	I	1	Session 2	5	57.101		
57.103	The Uses of Drama	Upper	1	Session 1	4	57.102*		57.113
57.104	The Play and its Presentation	Upper	1	Session 2	4	57.103*		57.114
57.115	Victorian Popular Theatre	Upper	1	Session 1	3	57.104*		57.505, 57.515
57.125	Form and Idea in Drama 1900-1950	Upper	1	Session 1	3	57.104*		57.505, 57.515
57.135	Film I	Upper	1	Session 1	3	57.104*		57.505, 57.515

SCHOOL OF DRAMA (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
57.145	Australian Drama	Upper	1	Session 1	3	57.104*		57.505, 57.515
57.155	Radio Drama	Upper	1	Session 1	3	57.104*		57.505, 57.515
57.116	Japanese Theatre	Upper	1	Session 2	3	57.104*		57.505, 57.515
57.126	Form and Idea in Drama from 1950	Upper	1	Session 2	3	57.125*		57.505, 57.515
57.136	Film II	Upper	1	Session 2	3	57.135*		57.505, 57.515
57.146	Educational Drama	Upper	1	Session 2	3	57.104*		57.505, 57.515
57.156	Classical French Theatre	Upper	1	Session 2	3	57.104*		57.505, 57.515
57.113	Dramatic Criticism I	Adv.	1	Session 1	6	57.102 (Cr)		57.103
57.114	Dramatic Criticism II	Adv.	1	Session 2	6	57.113 (Cr)		57.104
57.505	Greek Drama and Civilization	Adv.	2	Full year	5	57.114 (Cr)	57.515	57.115, 57.125
57.515	Comedy	Adv.	2	Full year	5	57.114 (Cr)	57.505	57.135, 57.145
								57.155, 57.116
57.526	Drama Honours	Hons.	2	Full year	4	57.505 (Cr) and 57.515 (Cr)		57.126, 57.136
								57.146, 57.156

* Or equivalent qualifications as determined by the School.

ECONOMIC HISTORY

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
15.701	Economic History IA (Arts)	I	1	Session 1	3			
15.711	Economic History IB (Arts)	I	1	Session 2	3	15.701		
15.601	Economic History IA	I	1	Session 1	3			
15.611	Economic History IB	I	1	Session 2	3	15.601		
15.622	American Economic and Social Development before the Civil War	Upper	1	Session 1	3	*		15.632
15.662	Economic and Social Change in the United States since the Civil War	Upper	1	Session 2	3	15.622*		15.672
15.692	Theories and Models in Economic History	Upper	1	Session 1	4	15.711 or 15.611*		
15.603	Australian Economic Development in the Nineteenth Century	Upper	1	Session 1	3	15.011 or 15.692*		15.613
15.623	The Transformation of the Japanese Economy since 1868	Upper	1	Session 2	3	15.011 or 15.692 and 15.601 or 15.711*		15.633
15.643	British Imperialism since 1870	Upper	1	Session 2	3	15.601 or 15.711*		

ECONOMIC HISTORY (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
15.653	Aspects of British Economic & Social Change 1740-1850	Upper	1	Session 1	3	*		
15.663	Economic Change in Modern India 1850-1950	Upper	1	Session 1	3	*		
15.673	The Modernization of the Chinese Economy	Upper	1	Session 2	3	*		
15.683	The Economic History of Russia since 1861	Upper	1	Session 1	3	15.011 or 15.692*		
15.703	The Origins of Modern Economics	Upper	1	Session 1	3	*		
15.713	Economic Thought from Karl Marx to John Maynard Keynes	Upper	1	Session 2	3	15.703 or 15.011 or 15.692*		
15.753	Science, Society and Economic Development	Upper	1	Session 2	3	*		
15.763	Population in History	Upper	1	Session 2	3	*		
15.632	American Economic Development before the Civil War	Advc.	1	Session 1	4	**		15.622

ECONOMIC HISTORY (Continued)

64

THE UNIVERSITY OF NEW SOUTH WALES

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
15.672	Economic Change in the United States since The Civil War	Advc.	1	Session 2	4	15.632**		15.662
15.613	Australian Economic Development in the Nineteenth Century	Advc.	1	Session 1	4	15.011 <i>or</i> 15.692**		15.603
15.633	The Transformation of the Japanese Economy since 1868	Advc.	1	Session 2	4	15.011 <i>or</i> 15.692 <i>and</i> 15.601 <i>or</i> 15.711**		15.623
15.743	The Growth of Cities in the Nineteenth and Twentieth Centuries	Advc.	1	Session 2	4	**		
15.704 } 15.714 }	Economic History Honours (Arts)	Hons.	{1 1	Full year Full year	4 4	At least <i>two</i> of 15.632, 15.672 15.613, 15.633 15.743, <i>and</i> 15.011 <i>or</i> 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

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
15.001	Economics IA	I	1	Either session	4			
15.011	Economics IB	I	1	Either session	4	15.001		
15.062	Economics IID	Upper	1	Session 1	4	15.011†		
15.072	Economics IIE	Upper	1	Session 2	4	15.011†		
15.263	Economics IIID	Upper	1	*	6	15.062 or 15.012		
15.043	Comparative Economic Systems	Upper	Part, see 15.263 15.583 15.593	Session 1	3	See 15.263 or 15.583 or 15.593†		
15.053	Economic Development	Upper	Part, see 15.263 15.583 15.593	Session 1	3	See 15.263 or 15.583 or 15.593†		
15.082	Labour Economics	Upper	See 15.263	Session 1	3	See 15.263†	One of 15.043 15.053, 15.092	
15.092	Political Economy of Contemporary Capitalism	Upper	See 15.263	Session 1	3	See 15.263†	One of 15.043 15.053, 15.082	
15.273**	Economics IIIE	Upper	1	Session 2	6	15.072 and H.S.C. Maths IIS or better†		
15.083	Public Finance	Upper	See 15.273	Session 2	3	See 15.273†	15.273	
15.163	Industrial Organization and Control	Upper	See 15.273	Session 2	3	See 15.273†	15.273	

ECONOMICS (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
15.012	Economics IIA	Advc.	1	Session 1	4	15.011††		
15.032	Economics IIB	Advc.	1	Session 2	4	15.012††		
15.052	Economics IIC	Advc.	1	Session 2	4	15.011††		
15.013	Economics IIIA	Advc.	1	Session 1	4	15.052††		
15.033	Economics IIIB	Advc.	1	Session 2	4	15.032 and 15.013††		
15.173	Research Methods and Methodology	Advc.	1	Session 2	3	15.013††		
15.024	Economics Honours (Arts)	Hons.	1	Full year	2	15.012, 15.032 15.052, 15.013 15.033, 15.173 all Cr.		
15.034	Economics Honours (Arts)	Hons.	1	Full year	2			
15.411	Quantitative Methods A	I	1	Either session	3	H.S.C. Maths IIS or better	15.001	10.001, 10.021
15.421	Quantitative Methods B	I	1	Either session	3	15.411	15.011	
15.412	Quantitative Economic Techniques A	Upper	1	Session 1	3	10.001 or 15.421		
15.422	Quantitative Economic Techniques B	Upper	1	Session 2	3	10.001 or 15.411		

* Consists of two of 15.043, 15.053, 15.082, 15.092.

** Consists of International Economics and either 15.083 or 15.163.

† 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.

SCHOOL OF ENGLISH

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
50.511	English IA	I	2	Full year	4	H.S.C. English Level 2 or better		50.521
50.521	English IB	I	2	Full year	4	H.S.C. English Level 2 or better		50.511
50.512	English IIA	Upper	2	Full year	4	50.511 or 50.521		50.532
50.522	English IIB	Upper	2	Full year	4	50.511 or 50.521		
50.513	English IIIA	Upper	2	Full year	4	50.512		
50.532	English IIC	Advc.	2	Full year	6	50.511(Cr) or 50.521(Cr)		50.512
50.523	English IIIB	Advc.	2	Full year	6	50.532(Cr)	50.513	
50.514	English IVA (Literature)	Hons.	2	Full year	6	50.513(Cr) and 50.523(Cr)		50.524
50.524	English IVB (Language)	Hons.	2	Full year	6	50.513(Cr) and 50.523(Cr)		50.514

SCHOOL OF FRENCH

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
56.501	French IA—Introductory French	I	2	Full year	6			

SCHOOL OF FRENCH (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
56.511	Contemporary French Language, Literature and Civilization	I	2	Full year	5	H.S.C. French Level 2 or better*		
56.521	French Language	I	1	Full year	3	H.S.C. French Level 2 or better*		
56.512	Pre-Twentieth Century France	Upper	2	Full year	5	56.511		56.532
56.152	French Political Theatre in the Twentieth Century	Upper	1	Session 1	3	Any four first level Arts units		
56.162	Recent Political and Sociological Speculation by French Intellectuals	Upper	1	Session 2	3	Any four first level Arts units and preferably H.S.C. French Level 2		
56.103	Modern France A	Upper	1	Session 1	6	56.512 or 56.532		56.163
56.104	Modern France B	Upper	1	Session 2	6	56.103 or 56.153		56.164
56.153	Renaissance France	Upper	1	Session 1	6(3)	56.512 or 56.532		56.173
56.154	Classical France	Upper	1	Session 2	6(3)	56.103 or 56.153		56.174
56.532	Pre-Twentieth Century France (Advanced)	Adv.	2	Full year	8	56.511(Cr)*		56.512
56.163	Modern France A (Advanced)	Adv.	1	Session 1	7½	56.532(Cr)*		56.103
56.164	Modern France B (Advanced)	Adv.	1	Session 2	7½	56.163		56.104

SCHOOL OF FRENCH (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
56.173	Renaissance France (Advanced)	Advc.	1	Session 1	7½	56.532(Cr) *		56.153
56.174	Classical France (Advanced)	Advc.	1	Session 2	7½	56.173		56.154
56.505	French Honours	Hons.	2	Full year	8	56.163(Cr), 56.164(Cr), 56.173(Cr), 56.174(Cr), for students taking French Honours alone, or <i>two</i> 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.

SCHOOL OF GEOGRAPHY

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
27.801	Introduction to Physical Geography	I	1	Session 1	4½*			
27.802	Introduction to Human Geography	I	1	Session 2	4½**			

SCHOOL OF GEOGRAPHY (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
GROUP A								
27.811	Physical Geography	Upper	1	Session 2	6†	27.801		
27.812	Human Geography	Upper	1	Session 1	6†	27.802		
GROUP B								
27.820	Location Analysis	Upper	1	Session 2	5	27.812 or 15.072		
27.821	Marketing Geography	Upper	1	Session 1	5	27.812 or 15.072		
27.822	Transportation Geography	Upper	1	Session 2	5	27.812 or 15.072		
27.823	Urban Geography†	Upper	1	Session 2	5	27.812		
27.840	Agricultural Geography	Upper	1	Session 1	5	27.812 or 15.603 or 51.542 or 53.204		
27.841	Population Geography†	Upper	1	Session 2	5	27.812 or 15.763 or 53.204		
27.842	Social Geography†	Upper	1	Session 1	5	27.812 or 53.204		
GROUP C								
27.860	Landform Studies	Upper	1	Session 1	5	27.811		
27.862	Australian Environment and Land Resources	Upper	1	Session 2	5	27.811		
GROUP A								
27.880	Geographic Statistics	Adv.	1	Session 2	6	27.811(Cr) or 27.812(Cr) plus Group B or C, U.L. unit(Cr)	27.801 and 27.802††	

SCHOOL OF GEOGRAPHY (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
GROUP B								
27.830	Location Analysis	Adv.	1	Session 2	6	27.812(Cr) <i>plus</i> another U.L. unit (Cr)	27.801††	
27.831	Marketing Geography	Adv.	1	Session 1	6			
27.832	Transportation Geography	Adv.	1	Session 2	6			
27.833	Urban Geography‡	Adv.	1	Session 1	6			
27.850	Agricultural Geography	Adv.	1	Session 1	6			
27.851	Population Geography‡	Adv.	1	Session 2	6			
27.852	Social Geography*	Adv.	1	Session 1	6			
GROUP C								
27.870	Landform Studies	Adv.	1	Session 1	6	27.811(Cr) <i>plus</i> another U.L. unit (Cr)	27.802††	
27.872	Australian Environment and Land Resources	Adv.	1	Session 2	6			
27.890	Thesis and Associated Seminars	Hons.	1	Full year	3	Three Advanced Level units (Cr)		
27.891	Honours Economic Geography	Hons.	1	Session 1	6			
27.892	Honours Human Geography	Hons.	1	Session 1	6			
27.893	Honours Physical Geography	Hons.	1	Session 1	6			

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

** 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 course.

†† Unless previously completed.

‡ Not offered in 1975.

SCHOOL OF APPLIED GEOLOGY

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
25.111	Geoscience I	I	2	Full year	6	H.S.C. Science IIS		25.151
25.151	Geoscience IA	I	2	Full year	6	H.S.C. Science IIS		25.111, 25.112A, 25.112B
25.112A	Geoscience IIA	II	1	Full year	6	25.111		25.151
25.112B	Geoscience IIB	II	1	Full year	4	25.111		25.151

SCHOOL OF GERMAN

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
64.501	German IA—Introductory German	I	2	Full year	6			
64.511	German IB	I	1	Full year	3	H.S.C. German Level 2 or better	64.521	
64.521	German IC	I	1	Full year	3	H.S.C. German Level 2 or better	64.511	
64.502	German IIA	Upper	1	Full year	3	64.501	64.522 (Arts students only)	64.512
64.512	German IIA (Advanced)	Advc.	1	Full year	4	64.501	64.522 (Arts students only)	64.502
64.522	German IIB	Upper	1	Full year	3	64.501	64.502	
64.532*	German IIC	Upper	1	Full year	3	64.511		

SCHOOL OF GERMAN (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
64.542	German IID	Upper	1	Full year	3	64.511 and 64.521	64.532 (except native speakers)	64.552
64.552	German IID (Advanced)	Adv.	1	Full year	4	64.511 and 64.521	64.532 (except native speakers)	64.542
64.562	German IIE	Upper	1	Full year	2	64.511 and 64.521	64.542	64.572
64.572	German IIE (Advanced)	Adv.	1	Full year	3	64.511 and 64.521	64.542 or 64.552	64.562
64.503*	German IIIA	Upper	1	Full year	3	64.502 or 64.532	64.513	
64.513	German IIIB	Upper	1	Full year	3	64.502 or 64.532	64.503 (except native speakers)	64.523
64.523	German IIIB (Advanced)	Adv.	1	Full year	4	64.502 or 64.532	64.503 (except native speakers)	64.513
64.533	German IIIC	Upper	1	Full year	2	64.502 or 64.532	64.513	64.543
64.543	German IIIC (Advanced)	Adv.	1	Full year	3	64.502 or 64.532	64.513 or 64.523	64.533
64.553	German IIID	Upper	1	Full year	2	64.502 or 64.532	64.533	64.563
64.563	German IIID (Advanced)	Adv.	1	Full year	3	64.502 or 64.532	64.533	64.553
64.504	German Honours	Hons.	2	Full year	6	64.523, 64.543 and 64.563 or 64.572		
64.600	German Literature and Society in the Twentieth Century	Upper	1	Full year	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.

SCHOOL OF HISTORY

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
51.501	History IA—Tradition and Society in Asia	I	2	Full year	3			
51.511	History IB—Europe since 1500	I	2	Full year	3			
51.521	History IC—Britain since 1760	I	2	Full year	3			
51.532	History IIA—Modern India 1757-1947	Upper	2	Full year	3	51.501 or 51.511 or 51.521*		
51.542	History IIB—Australia 1788-1974	Upper	2	Full year	3	51.501 or 51.511 or 51.521*		
51.552	History IIC—International History since 1914	Upper	2	Full year	3	51.501 or 51.511 or 51.521*		
51.562	History IID—South-East Asian History	Upper	2	Full year	3	51.501 or 51.511 or 51.521*		
51.572	History IIE—The History of the United States	Upper	2	Full year	3	51.501 or 51.511 or 51.521*		
51.602	Indian History (Advanced)	Adv.	**	Full year		51.501 or 51.511 or 51.521 (Cr)	Any Upper Level History Unit	
51.612	Australian Foreign Relations (Advanced)	Adv.	**	Full year		51.501 or 51.511 or 51.521 (Cr)	Any Upper Level History Unit	
51.622	The Religious Factor in Australian History (Advanced)	Adv.	**	Full year		51.501 or 51.511 or 51.521 (Cr)	Any Upper Level History Unit	

SCHOOL OF HISTORY (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
51.632	The American Revolution and the Federal Constitution	Adv.	**	Full year		51.501 or 51.511 or 51.521(Cr)	Any Upper Level History Unit	
51.642	South East Asian History (Advanced)	Adv.	**	Full year		51.501 or 51.511 or 51.521(Cr)	Any Upper Level History Unit	
51.652	Zionism and Middle Eastern Conflict 1917-1973	Adv.	**	Full year		51.501 or 51.511 or 51.521(Cr)	Any Upper Level History Unit	
51.662	Anti-Dynastic Movements in China (Advanced)	Adv.	**	Full year		51.501 or 51.511 or 51.521(Cr)	Any Upper Level History Unit	
51.703	History Honours	Hons.	2	Full year		Three Advanced Level Units (Cr)		

* Or equivalent qualifications as determined by the School.

** Advanced Level units must be taken in addition to Upper Level units by intending Honours students, but they have no separate unit value.

SCHOOL OF HISTORY AND PHILOSOPHY OF SCIENCE

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
62.201	The Modern History of Western Cosmology	I	1	Session 1	3			
62.211	The Seventeenth Century Intellectual Revolution	I	1	Session 1	3			

SCHOOL OF HISTORY AND PHILOSOPHY OF SCIENCE (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
62.202	The History of Ancient and Renaissance Cosmology	I	1	Session 2	3			
62.212	The Cultural Impact of the Seventeenth Century Scientific Revolution	I	1	Session 2	3			
62.223	The Discovery of Time	Upper	1	Session 1	4	Any 4 Arts or other approved units*		
62.233	The Social History of 17th and 18th Century Science	Upper	1	Session 1	4	Any 4 Arts or other approved units*		
62.243	The Darwinian Revolution	Upper	1	Session 2	3	Any 4 Arts or other approved units*		
62.253	The Social History of 19th and 20th Century Science	Upper	1	Session 2	4	Any 4 Arts or other approved units*		
62.263	The Development of Theories of Matter	Upper	1	Session 1	4	Any 4 Arts or other approved units (including 2 HPS or 2 approved science units)*		
62.273	The Historical Foundations of Experimental Biology	Upper	1	Session 1	3	Any 4 Arts or other approved units (including 2 HPS or 2 approved science units)*		

SCHOOL OF HISTORY AND PHILOSOPHY OF SCIENCE (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
62.283	The History of Theories of Generation and Heredity	Upper	1	Session 2	3	Any 4 Arts or other approved units (including 2 HPS or 2 approved science units)*		
62.503	The Philosophy of Science	Upper	1	Full year	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	Upper	1	Full year	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	Adv.	2	Full year	5-7	12 Arts units—(including at least 2 HPS(Cr))		**
62.533	Advanced H.P.S. B	Adv.	2	Full year	5-7	2 Level I units in Maths or an approved Science*	62.523	**
62.604	H.P.S. Honours	Hons.	2	Full year	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

78

THE UNIVERSITY OF NEW SOUTH WALES

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
15.522	Industrial Relations IA	Upper	1	Session 1	3	15.011 <i>or</i> 15.711*		15.532
15.542	Industrial Relations IB	Upper	1	Session 2	3	15.522*		15.552
15.523	Industrial Relations IIA	Upper	1	Session 1	4	15.542 <i>and</i> 15.011*		
15.543	Industrial Relations IIB	Upper	1	Session 2	4	15.523*		
15.532	Industrial Relations IA	Adv.	1	Session 1	3	15.011**		15.532
15.552	Industrial Relations IB	Adv.	1	Session 2	3	15.532**		15.542
15.583	Industrial Relations IIC	Adv.	1	Session 1	4	15.552 <i>and</i> 15.082 <i>and</i> either 15.042 <i>or</i> 15.062**	Two out of 15.023 15.043 15.053 14.601	
15.593	Industrial Relations IID	Adv.	1	Session 2	4	15.583**		14.762 12.651
15.534	Industrial Relations IIIA (Arts)	Hons.	1	Both sessions	4	15.532 15.552		
15.544	Industrial Relations IIIB (Arts)	Hons.	1			15.583 15.593 all Cr		

* In order to enrol in an Upper Level unit in Industrial Relations 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 Industrial Relations 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.

SCHOOL OF MATHEMATICS

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
10.001	Mathematics I	I	2	Full year	6	†		
10.011	Higher Mathematics I	I	2	Full year	6	†		
10.021	Mathematics II	I	2	Full year	6	†		
PURE MATHEMATICS								
Pure Mathematics Level II								
10.111A	Linear Algebra	II	3	Full year	2	10.001 <i>or</i> 10.011		10.121A
10.111B	Analysis	II	3	Full year	2	10.001 <i>or</i> 10.011		10.121B
10.111C	Algebra and Geometry	II/III	3	Full year	2	10.001 <i>or</i> 10.011	10.111A, 10.111B, 10.211A	10.121A, 10.121C
Higher Pure Mathematics Level II*								
10.121A	Algebra	II	3	Full year	2½	10.011		10.111A
10.121B	Real and Complex Analysis	II	3	Full year	2½	10.011		10.111B
10.121C	Number Theory and Geometry	II/III	3	Full year	2½	10.011	10.121A, 10.121B; 10.221A <i>or</i> 10.211A	10.112A, 10.111C
Pure Mathematics Level III**								
10.112A	Number Theory and Algebra	III	½	Full year	2	10.111A	10.111C	10.121A, 10.122A

SCHOOL OF MATHEMATICS (Continued)

80

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
10.112B	Real Analysis	III	$\frac{1}{2}$	Full year	2	10.111B		10.122B
10.112C	Differential Geometry	III	$\frac{1}{2}$	Full year	2	10.111A, 10.211A 10.111B		10.122C
10.112D	Topology and Set Theory	III	$\frac{1}{2}$	Full year	2	10.001 or 10.011	10.111A, 10.111B, 10.211A	
10.112E	Complex Analysis and Differential Equations	III	$\frac{1}{2}$	Full year	2	10.111B, 10.211A		10.122E
Higher Pure Mathematics Level III***								
10.122A	Algebra	III	$\frac{1}{2}$	Full year	2 $\frac{1}{2}$	10.121A		10.112A
10.122B	Integration and Functional Analysis	III	$\frac{1}{2}$	Full year	2 $\frac{1}{2}$	10.121B		10.112B
10.122C	Topology and Differential Geometry	III	$\frac{1}{2}$	Full year	2 $\frac{1}{2}$	10.121A, 10.121B		10.112B, 10.112C
10.122E	Complex Analysis and Differential Equations	III	$\frac{1}{2}$	Full year	2 $\frac{1}{2}$	10.121B		10.112E

† 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.

SCHOOL OF MATHEMATICS (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
APPLIED MATHEMATICS								
Applied Mathematics Level II								
10.211A	Mathematical Methods	II	$\frac{1}{2}$	Full year	2	10.001		10.221A
10.211B	Analytical Dynamics	II	$\frac{1}{2}$	Session 1*	4	10.001 and 1.001	10.211A	10.221B
10.211C	Hydrodynamics	II	$\frac{1}{2}$	Session 2	4	10.001 and 1.001	10.211A, 10.111B	10.211C
Higher Applied Maths Level II								
10.221A	Mathematical Methods	II	$\frac{1}{2}$	Full year	2 $\frac{1}{2}$	10.011†		10.211A
10.221B	Analytical Dynamics	II	$\frac{1}{2}$	Session 1	4	10.011 and 1.011†	10.221A or 10.211A	10.211B
10.221C	Hydrodynamics	II	$\frac{1}{2}$	Session 2	4	10.011 and 1.011†	10.221A or 10.211A	10.211C
Applied Mathematics Level III								
10.212A	Numerical Analysis	III	$\frac{1}{2}$	Full year	2	10.111A, 10.211A		10.222A
10.212D	Mathematical Methods	III	$\frac{1}{2}$	Full year	2	10.211A, 10.111A 10.111B		10.222D 10.222E
10.212L	Optimization Techniques	III	$\frac{1}{2}$	Full year	2	10.111A, 10.111B 10.211A		10.222L

SCHOOL OF MATHEMATICS (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
Higher Applied Maths Level III								
10.222A	Numerical Analysis	III	½	Full year	2	10.221A, 10.121A†		
10.222C	Maxwell's Equations and Special Relativity	III	½	Full year	2	10.221A, 10.121B† 1.001		
10.222D	Mathematical Methods	III	½	Full year	2	10.221A, 10.121A 10.121B†		10.212D
10.222F	Quantum Mechanics	III	½	Full year	2	10.221A, 10.121A 10.121B†	10.222D	
10.222L	Optimization Techniques	III	½	Full year	2	10.221A, 10.121A 10.121B†		10.212L
Pure Maths Honours Level								
10.123	Pure Mathematics Honours Hons.		2	Full year	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.								

STATISTICS

Theory of Statistics Level II								
10.311A	Probability and Random Variables	II	1	Session 1	7	10.001 or 10.011 or 10.021 (Cr)		10.321A 10.331
10.311B	Statistical Inference	II/III	1	Session 2	7	10.001 or 10.011 or 10.021 (Cr) 10.311A or 10.321A		10.321B 10.331

SCHOOL OF MATHEMATICS (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
STATISTICS (Continued)								
10.331	Statistics SS	II	½	Full year	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	Session 1	8	10.001 or 10.011		10.311A 10.331
10.321B	Statistical Inference	II/III	1	Session 2	8	10.001 or 10.011; 10.321A		10.311B 10.331
Theory of Statistics Level III								
10.312A	Stochastic Processes and Applications	III	½	Half year	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	Half year	4	10.311B or 10.321B or 10.331 (normally Cr)	10.211A or 10.221A	10.322B
10.312C	Experimental Design (Theory) and Project	III	½	Half year	4	10.311B or 10.321B; 10.111A or 10.121A; 10.111B or 10.121B; 10.211A or 10.221A	10.312B† or 10.322B†	10.322C

SCHOOL OF MATHEMATICS (Continued)

84

THE UNIVERSITY OF NEW SOUTH WALES

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
STATISTICS (Continued)								
10.312D	Probability Theory and Contingency Tables	III	$\frac{1}{2}$	Half year	4	10.311A or 10.321A; 10.111A or 10.121A; 10.111B or 10.121B; 10.211A or 10.221A		10.322D
Higher Theory of Statistics Level III								
10.322A	Stochastic Processes and Applications	III	$\frac{1}{2}$	Half year	4 $\frac{1}{2}$	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	$\frac{1}{2}$	Half year	4 $\frac{1}{2}$	10.321B; 10.111A or 10.121A; 10.111B or 10.121B; 10.211A or 10.221A;		10.312B
10.322C	Experimental Design (Theory) and Project	III	$\frac{1}{2}$	Half year	4 $\frac{1}{2}$	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 and Contingency Tables	III	$\frac{1}{2}$	Half year	4 $\frac{1}{2}$	10.321A; 10.111A or 10.121A; 10.111B or 10.121B; 10.211A or 10.221A		10.312D
10.323	Theory of Statistics Honours	Hons.	2	Full year	8	*		

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

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

SCHOOL OF MATHEMATICS (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
THEORETICAL AND APPLIED MECHANICS								
Theoretical Mechanics Level III								
10.412A	Dynamical and Physical Oceanography	III	$\frac{1}{2}$	Full year	2	1.001 or 1.011, 10.211A or 10.221A	†	
10.412B	Continuum Mechanics	III	$\frac{1}{2}$	Full year	2	10.111A, 10.111B and 10.211A, B, C		10.422B
Higher Theoretical Mechanics Level III								
10.422A	Fluid Dynamics	III	$\frac{1}{2}$	Session 2	4	10.211A, 10.221C 10.111B	*	
10.422B	Mechanics of Solids	III	$\frac{1}{2}$	Session 1	4	10.111A, 10.111B, 10.221A, 10.221B and 10.221C		10.412B

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

* It is recommended that 10.422B be taken concurrently.

SCHOOL OF PHILOSOPHY

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
52.101	Introductory Philosophy A	I	1	Session 1	4			
52.102	Introductory Philosophy B	I	1	Session 2	4	52.101*		

SCHOOL OF PHILOSOPHY (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
52.153	Predicate Logic	Upper	$\frac{1}{2}$	Session 1	2	52.102		
52.163	Descartes	Upper	$\frac{1}{2}$	Session 1	2	52.102		
52.173	British Empiricism	Upper	$\frac{1}{2}$	Session 1	2	52.102		
52.183	Greek Philosophy: Thales to Plato	Upper	$\frac{1}{2}$	Session 1	2	52.101 and 52.102		
52.193	Scientific Method	Upper	$\frac{1}{2}$	Session 1	2	52.102		
52.203	Introduction to Political Philosophy	Upper	$\frac{1}{2}$	Session 1	2	52.102		
52.213	Sartre	Upper	$\frac{1}{2}$	Session 1	2	52.163		
52.223	Foundations of Mathematics	Upper	$\frac{1}{2}$	Session 2	2	52.153		
52.233	Argument	Upper	$\frac{1}{2}$	Session 2	2	52.102		
52.243	Logical Atomism	Upper	$\frac{1}{2}$	Session 2	2	52.102		
52.253	Philosophy of Biology	Upper	$\frac{1}{2}$	Session 2	2	52.101 and 52.102		
52.263	Philosophy of Psychology	Upper	$\frac{1}{2}$	Session 2	2	52.193		
52.273	Aesthetics	Upper	$\frac{1}{2}$	Session 2	2	52.102		
52.283	Oppression and Liberation	Upper	$\frac{1}{2}$	Session 2	2	52.102		
52.293	Plato	Upper	$\frac{1}{2}$	Session 2	2	52.183		
52.303	Spinoza and Leibniz	Upper	$\frac{1}{2}$	Session 2	2	52.163		

SCHOOL OF PHILOSOPHY (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
52.313	Ethics of Politics	Upper	$\frac{1}{2}$	Session 2	2	52.203*		
52.323	Set Theory	Upper	$\frac{1}{2}$	Session 1	2	52.153		
52.333	Philosophy of Perception	Upper	$\frac{1}{2}$	Session 1	2	52.163 <i>or</i> 52.173		
52.343	Privacy and Other Minds	Upper	$\frac{1}{2}$	Session 2	2	52.163 <i>and</i> 52.173 <i>or</i> 52.243		
52.353	History of Modern Logic	Upper	$\frac{1}{2}$	Session 1	2	52.153		
52.363	Wittgenstein	Upper	$\frac{1}{2}$	Session 1	2	52.243		
52.373	Philosophical Foundations of Marx's Thought	Upper	$\frac{1}{2}$	Session 2	2	52.203*		
52.383	Twentieth Century Marxist Philosophy	Upper	$\frac{1}{2}$	Session 2	2	52.203*		
52.393	History of Traditional Logic	Upper	$\frac{1}{2}$	Session 2	2	52.353		
52.403	Model Theory	Upper	$\frac{1}{2}$	Session 2	2	52.323		
52.413	Reading Option	Upper	$\frac{1}{2}$	Session 1 <i>or</i> 2		Satisfactory performance in upper level units		52.453
52.423	Seminar A	Advc.	$\frac{1}{2}$	Session 2	2	Upper level units (Cr)		
52.433	Seminar B	Advc.	$\frac{1}{2}$	Session 1	2	Upper or Advanced level units (Cr)		

SCHOOL OF PHILOSOPHY (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
52.443	Seminar C	Adv.	$\frac{1}{2}$	Session 2	2	Upper or Advanced level units (Cr)		
52.453	Advanced Reading Option	Adv.	$\frac{1}{2}$	Session 1 or 2		Upper or Advanced level units (Cr)		52.413
52.504	Philosophy Honours	Hons.	2	Full year	4			

* Or equivalent qualifications as determined by the School.

SCHOOL OF PHYSICS

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
1.001	Physics I	I	2	Full year	6	Science Faculty entrance		1.011
1.011	Higher Physics I	I	2	Full year	6	Science Faculty entrance		1.001
1.112A	Electromagnetism	Upper	1	Session 2	6	1.001, 10.001	10.211A	1.122A
1.112B	Modern Physics	Upper	1	Session 1	6	1.001, 10.001	10.211A	1.122B
1.112C	Thermodynamics and Mechanics	Upper	1	Full year	2	1.001, 10.001	10.211A	1.122C
1.122A	Electromagnetism	Adv.	1	Session 2	6	1.011, 10.001	10.211A	1.112A
1.122B	Quantum Physics	Adv.	1	Session 1	6	1.011, 10.001	10.211A	1.112B
1.122C	Thermodynamics and Mechanics	Adv.	1	Full year	2	1.011, 10.001	10.211A	1.112C

SCHOOL OF POLITICAL SCIENCE

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites or Prerequisites	Excluded
54.501	Political Science I	I	2	Full year	3½			
	Upper Level—Category A							
54.202	Selected Political Theorists	Upper	1	Full year	3	54.501		
54.212	Russian Politics	Upper	1	Session 1	3	54.501		
54.222	U.S. Politics	Upper	1	Session 2	3	54.501		
54.232	Politics of China	Upper	1	Full year	3	54.501		
54.242	British Government A	Upper	1	Full year	3	54.501		
54.262	Politics of Germany, Italy and France	Upper	1	Session 2	3	54.501		
54.272	Politics of India	Upper	1	Full year	3	54.501		
54.282	Politics of Africa	Upper	1	Session 2	3	54.501		
54.292	Comparative Foreign Policy	Upper	1	Full year	3	54.501		
	Upper Level—Category B							
54.302	Marxism	Upper	½	Session 1	2	54.501 (Cr)	Any Cat. A Unit*	54.502

SCHOOL OF POLITICAL SCIENCE (Continued)

90

THE UNIVERSITY OF NEW SOUTH WALES

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites or Prerequisites	Excluded
54.312	Fascism	Upper	$\frac{1}{2}$	Session 2	2	54.501 (Cr)	54.262	54.512
54.322	British Government B	Upper	$\frac{1}{2}$	Full year	2	54.501 (Cr)	54.242	54.522
54.332	Australian Politics	Upper	$\frac{1}{2}$	Session 1	2	54.501 (Cr)	Any Cat. A Unit*	54.532
54.342	International Security	Upper	$\frac{1}{2}$	Full year	2	54.501 (Cr)	54.252	54.542
54.352	Plato and Machiavelli	Upper	$\frac{1}{2}$	Session 2	2	54.501 (Cr)	54.202	54.552
54.362	Chinese Political Thought	Upper	$\frac{1}{2}$	Full year	2	54.501 (Cr)	54.202 or 54.232	54.562
54.372	Australian Foreign Policy	Upper	$\frac{1}{2}$	Session 1	2	54.501 (Cr)	54.292 or 54.252	54.572
54.382	Political Theory	Upper	$\frac{1}{2}$	Session 1	2	54.501 (Cr)	54.202	54.282
Advanced Level								
54.502	Marxism (Adv.)	Adv.	1	Session 1	5	54.501 (Cr)		54.302
54.512	Fascism (Adv.)	Adv.	1	Session 2	5	54.501 (Cr)		54.312
54.522	British Government (Adv.)	Adv.	1	Full year	5	54.501 (Cr)		54.322
54.532	Australian Politics (Adv.)	Adv.	1	Session 1	5	54.501 (Cr)		54.332
54.542	International Relations (Adv.)	Adv.	1	Full year	5	54.501 (Cr)		54.342

SCHOOL OF POLITICAL SCIENCE (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
54.552	Plato and Machiavelli (Adv.)	Adv.	1	Session 2	5	54.501(Cr)		54.352
54.562	Chinese Political Thought (Adv.)	Adv.	1	Full year	5	54.501(Cr)		54.362
54.572	Australian Foreign Policy (Adv.)	Adv.	1	Session 1	5	54.501(Cr)		54.372
54.582	Political Theory (Adv.)	Adv.	1	Session 1	5	54.501(Cr)		54.382
Honours Level								
54.603	Political Science Honours	Hons.	2	Full year	8	4 Advanced Level units, 2 Cat. B Upper Level units all Cr.		

* Or equivalent qualifications as determined by School.

SCHOOL OF PSYCHOLOGY

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
12.001	Psychology I	I	2	Full year	5	Arts Faculty entrance		
12.022	Psychology IIT	Upper	2	Full year	4	12.001		All Psychology Upper and Advanced units
12.052	Basic Psychological Processes II	Upper	$\frac{1}{2}$	Session 1	4	12.001 (Advanced Pass)	12.152	

SCHOOL OF PSYCHOLOGY (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
12.062	Complex Psychological Processes II	Upper	$\frac{1}{2}$	Session 2	4	12.001 (Advanced Pass)	12.152	
12.152	Research Methods II	Upper	1	Full year	3	12.001 (Advanced Pass)	12.052, 12.062	
12.153	Research Methods IIIA	Upper	$\frac{1}{2}$	Session 1	4	12.052, 12.062 and 12.152		
12.163	Research Methods IIIB	Upper	$\frac{1}{2}$	Session 2	4	12.052, 12.062 and 12.152 and 12.153		
12.253	Learning IIIA	Upper	$\frac{1}{2}$	Session 1	4	12.052, 12.062 and 12.152		
12.263	Learning IIIB	Upper	$\frac{1}{2}$	Session 2	4	12.052, 12.062 and 12.152 and 12.253		
12.303	Personality IIIA	Upper	$\frac{1}{2}$	Session 2	4	12.052, 12.062 and 12.152		
12.313	Personality IIIB (Interpersonal Relations)	Upper	$\frac{1}{2}$	Session 1	4	12.052, 12.062 and 12.152		12.623
12.323	Motivation IIIA	Upper	$\frac{1}{2}$	Session 1	4	12.052, 12.062 and 12.152		
12.373	Psychological Assessment IIIA (Testing)	Upper	$\frac{1}{2}$	Session 1	4	12.052, 12.062 and 12.152		
12.413	Physiological Psychology IIIA	Upper	$\frac{1}{2}$	Session 1	4	12.052, 12.062 and 12.152		

SCHOOL OF PSYCHOLOGY (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
12.423	Physiological Psychology IIIB	Upper	$\frac{1}{2}$	Session 2	4	12.052, 12.062 and 12.152 and 12.413		
12.453	Human Information Processing IIIA	Upper	$\frac{1}{2}$	Session 2	4	12.052, 12.062 and 12.152		
12.473	Perception IIIA	Upper	$\frac{1}{2}$	Session 1	4	12.052, 12.062 and 12.152		
12.483	Perception IIIB	Upper	$\frac{1}{2}$	Session 2	4	12.052, 12.062 and 12.152 and 12.473		
12.503	Social Psychology IIIA	Upper	$\frac{1}{2}$	Each session	4	12.052, 12.062 and 12.152		
12.513	Social Psychology IIIB*	Adv.	$\frac{1}{2}$	Session 2	4	12.052, 12.062 and 12.152 and 12.503*		
12.553	Developmental Psychology IIIA	Upper	$\frac{1}{2}$	Each session	4	12.052, 12.062 and 12.152		
12.603	Abnormal Psychology IIIA	Upper	$\frac{1}{2}$	Each session	4	12.052, 12.062 and 12.152		
12.613	Abnormal Psychology IIIB*	Adv.	$\frac{1}{2}$	Session 2	4	12.052, 12.062 and 12.152 and 12.603*		
12.623	Guidance and Counselling III*	Adv.	$\frac{1}{2}$	Session 2	4	12.052, 12.062 and 12.152 and*		12.313

SCHOOL OF PSYCHOLOGY (Continued)

94

THE UNIVERSITY OF NEW SOUTH WALES

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
12.653	Industrial Psychology III*	Adv.	$\frac{1}{2}$	Session 1	4	12.052, 12.062 and 12.152 and 12.503* (may be Co-requisite)		
12.663	Ergonomics III*	Adv.	$\frac{1}{2}$	Session 2	4	12.052, 12.062 and 12.152 and*		
12.703	Psychological Techniques III*	Adv.	$\frac{1}{2}$	Session 2	4	12.052, 12.062 and 12.152 and 12.373*		
12.713	Behaviour Control and Modification III	Upper	$\frac{1}{2}$	Session 2	4	12.052, 12.062 and 12.152		
12.733	Laboratory Instrumentation III*	Adv.	$\frac{1}{2}$	Session 1	4	12.052, 12.062 and 12.152 and*		
12.035	Psychology IV (Honours)	Hons.	2	Full year	6	12.052, 12.062 12.152, 12.153 12.163 and 6 other 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 Programme. Admission to Psychology IV additionally requires an average of Credit or higher grade in the 8 Psychology half-units of the 3rd Year Programme.
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 (i.e. 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.

SCHOOL OF RUSSIAN

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
59.501	Russian IA— Introductory Russian	I	2	Full year	7			
59.511	Russian IB	I	2	Full year	5	H.S.C. Russian Level 2 or better		
59.502	Russian IIA	Upper	2	Full year	7	59.501		
59.522	Russian IIA (Adv.)	Adv.	2	Full year	8	59.501(Cr)		
59.512	Russian IIB	Upper	2	Full year	5	59.511		
59.532	†Russian IIB (Adv.)	Adv.	2	Full year	6	59.511(Cr)		
59.513	Russian IIIA	Upper	2	Full year	7	*		
59.523	†Russian IIIA (Adv.)	Adv.	2	Full year	9	59.502 <i>or</i> 59.512(Cr)		
59.533	†Russian IIIB	Upper	2	Full year	5	59.513 <i>or</i> as Co-requisite		
59.543	†Russian IIIB (Adv.)	Adv.	2	Full year	5	59.523* <i>or</i> as Co-requisite		
59.514	†Russian IV	Hons.	2	Full year		59.523* <i>and</i> 59.543*		

* Satisfactory performance required as determined by School.

† For further details contact Head of School.

SCHOOL OF SOCIOLOGY

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
53.101	Sociology 1A	I	1	Session 1	3			
53.102	Sociology 1B	I	1	Session 2	3			
53.203	Sociology 2A	Upper	1	Session 1	5	53.101		
53.204	Sociology 2B	Upper	1	Session 2	5	53.101, 53.102, 53.203		
53.503	Sociology 2 (Advc.)	Advc.	1	Full year	2	53.101*, 53.102*	53.203, 53.204	
53.205	Sociology 3A	Upper	1	Session 1	3	53.204		
53.206	Sociology 3B	Upper	1	Session 2	3	53.205		
53.504	Sociology 3A (Advc.)	Advc.	1	Full year	3	53.203*, 53.204*	53.205, 53.206	
53.514	Sociology 3B (Advc.)	Advc.	1	Full year	3	53.203*, 53.204*	53.205, 53.206	
53.525	Sociology Honours	Hons.	2	Full year	6	53.203*, 53.204*, 53.503* plus <i>three</i> of 53.205*, 53.206*, 53.504*, 53.514*		

* Satisfactory performance required as determined by School.

SCHOOL OF SPANISH AND LATIN AMERICAN STUDIES

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
65.501	S.L.A.S. 1A— Introductory Spanish	I	2	Full year	6			65.511
65.511	S.L.A.S. 1B	I	2	Full year	5	H.S.C. Spanish Level 2 or better		65.501
65.202	S.L.A.S. 2A	Upper	1	Session 1	6½	65.501		65.222
65.203	S.L.A.S. 2B	Upper	1	Session 2	6½	65.202		65.223
65.222	S.L.A.S. 2A (Adv.)	Adv.	1	Session 1	7½	65.501		65.202
65.223	S.L.A.S. 2B (Adv.)	Adv.	1	Session 2	7½	65.222		65.203
65.212	S.L.A.S. 2C	Upper	1	Session 1	5	65.511		65.232
65.213	S.L.A.S. 2D	Upper	1	Session 2	5	65.212		65.233
65.232	S.L.A.S. 2C (Adv.)	Adv.	1	Session 1	6	65.511		65.212
65.233	S.L.A.S. 2D (Adv.)	Adv.	1	Session 2	6	65.232		65.213
65.242	S.L.A.S. 2E Spain and Latin America 1400-1810	Upper	1	Session 1	3	Any one of 51.501, 51.511, 51.521, 54.501, 65.501, 65.511 or both of 15.601 and 15.611 or both of 15.701 and 15.711 or both of 53.101 and 53.102		

SCHOOL OF SPANISH AND LATIN AMERICAN STUDIES (Continued)

98

THE UNIVERSITY OF NEW SOUTH WALES

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
65.243	S.L.A.S. 2F Latin America 1810-1975	Upper	1	Session 2	3	Any one of 51.501, 51.511, 51.521, 54.501, 65.501, 65.511, 65.242 or both of 15.601 and 15.611 or both of 15.701 and 15.711 or both of 53.101 and 53.102		
65.204	S.L.A.S. 3A	Upper	1	Session 1	6½*	Any one of 65.203, 65.223, 65.213, 65.233		65.224
65.205	S.L.A.S. 3B	Upper	1	Session 2	6½*	65.204		65.225
65.214	S.L.A.S. 3C	Upper	1	Session 1	6½*	Any one of 65.203, 65.223, 65.213, 65.233		65.234
65.215	S.L.A.S. 3D	Upper	1	Session 2	6½*	65.214		65.235
65.224	S.L.A.S. 3A (Adv.)	Adv.	1	Session 1	9½†	Satisfactory performance in 65.222 and 65.223 or 65.232 and 65.233		65.204
65.225	S.L.A.S. 3B (Adv.)	Adv.	1	Session 2	9½†	65.224		65.205

SCHOOL OF SPANISH AND LATIN AMERICAN STUDIES (Continued)

No.	Name	Level	Unit Value	When Offered	Hours p.w.	Prerequisites	Co-requisites	Excluded
65.234	S.L.A.S. 3C (Adv.)	Adv.	1	Session 1	9½†	Satisfactory performance in 65.222 and 65.223 or 65.232 and 65.233		65.214
65.235	S.L.A.S. 3D (Adv.)	Adv.	1	Session 2	9½†	65.234		65.215
65.506	S.L.A.S. Honours	Hons.	2	Full year	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 15½ hours per week.

SCHEDULE B

MAJOR SEQUENCES IN THE BACHELOR OF ARTS DEGREE

A major sequence is usually an approved sequence of at least four Upper or Advanced level units, or their equivalent, in one subject, taken over the third, fourth, fifth and sixth sessions of study, and following completion of a Level I double unit.

The following is a list of approved major sequences that do not conform to the above definition. Others may be approved in special cases.

Drama

Any three Upper Level units for which the student is eligible and, in addition, 56.152 French Political Theatre in the Twentieth Century.

History

A major sequence 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. Approved Upper Level units are listed below:

Economic History

Any one or two Upper Level units for which the student is eligible.

Spanish and Latin American Studies

65.242 Spain and Latin America 1400-1810; 65.243, Latin America 1810-1975.

History and Philosophy of Science

A major sequence may 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 may have been taken. Additional Upper Level units should be selected from those listed below:

School of Philosophy

One or two units made up of the requisite number of sub-units selected from the following: 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.

School of Sociology

The option Science, Technology and Society.

In special circumstances the Head of the School may give permission for one or two units of an approved science to be counted as a part of a major sequence in History and Philosophy of Science.

Philosophy

Any six Upper Level half-units for which the student is eligible and, in addition, 62.503 Philosophy of Science, offered by the School of History and Philosophy of Science.

Psychology

A major in Psychology is minimally satisfied by the completion of 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 is: Year 1: 12.001 Psychology I (an Advanced pass is required) (=2 units value) **plus** Year 2: 12.152, 12.052 and 12.062 (=2 units value) **plus** Year 3: four half-units (=2 units value).

A double major in Psychology adds an additional four half-units to the four required for a single major in Year 3 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).

Mathematics

In Year 2 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 Year 3 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.

Students wishing to specialize and major in Pure Mathematics, Applied Mathematics, Theoretical Mechanics or Theory of Statistics should consult for minimum course requirements the School of Mathematics entry for the Faculty of Science in Section B of the University Calendar.

Senior members of staff in 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 COURSE

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 programme 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.

RULES GOVERNING THE AWARD OF THE DEGREE OF BACHELOR OF ARTS

A. 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 programme 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 1st January 1975 and who wish to re-enrol after that date.

B. Pass Degree

10. A candidate shall complete over no fewer than six sessions and no more than ten sessions, of study 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 First Level units;
 - (c) no more than two First Level 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.

C. General Honours Degree

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

D. Special Honours Degree

20. A student who wishes to proceed to Honours Level shall have completed sixteen units including no more than eight First level 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.

THE DEGREE OF BACHELOR OF SOCIAL SCIENCE

*Not available in 1975.**

The Bachelor of Social Science degree is an interdisciplinary degree under the control of the Faculty of Arts and administered on its behalf by the Social Science Degree Committee. The structure of this degree differs from that of the BA in that it is intended to achieve, within the broad field of the social sciences, a balance between general education and specialization. Emphasis is placed on theoretical and methodological issues common to the social sciences, and certain compulsory courses are prescribed for this purpose. Although students will have considerable choice of subjects, there is a general requirement that a combination of two major subjects should be pursued for at least three years. Provision is also made for the completion of a research project, which is intended to be of a cross-disciplinary character. Within these limits, a measure of specialization will be possible.

The degree may be awarded at both Pass and Honours level. Honours candidates will be required to attain greater depth in the study of theoretical and methodological questions and to show particular capacity for research.

Admission to the degree programme will be on the basis of advanced standing. Students wishing to become candidates for the degree should make application to the Social Science Degree Committee; candidates will be selected by the Faculty of Arts on the recommendation of that committee, but in all cases must have completed at least six Level I units including at least two 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.

The normal pattern of progression towards the degree will be 8:6:6:4 units per year. For a candidate who has completed only six units in the first year of study, the pattern will normally be 6:8:6:4.

Units designed primarily for students in their first and second sessions of study are termed "Level I Units". Units designed for students in their 3rd, 4th, 5th, 6th, 7th and 8th sessions of study are

*At the time of publication, University Council had yet to approve this course.

termed "Upper Level Units". Candidates for the degree of Bachelor or Social Science may also enrol in Advanced Level units, which are Upper Level units designed primarily for students wishing to proceed to the BA Special Honours degree.

It is expected that this degree will be of particular interest not only to candidates intending to pursue careers in teaching and research into the social sciences but also to persons with training in other fields who wish to extend their knowledge of social issues.

DESCRIPTIONS OF SUBJECTS

BIOLOGY

The first course in Biology comprises units 17.011 and 17.021.

17.011 Biology of Mankind

Prerequisite: H.S.C. 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, 1967.

Boughey, A. S. *Man and the Environment*. Macmillan, 1971.

Cavalli-Sforza, L. L. *Elements of Human Genetics*. Addison-Wesley, 1973.

PRINCIPAL REFERENCE BOOKS

Bates, M. *Man in Nature*. Prentice-Hall, 1964.

Boughey, A. S. *Readings in Man, the Environment and Human Ecology*. Macmillan, 1973.

Carter, C. O. *Human Heredity*. Penguin, 1962.

Ehrlich, P. R., Ehrlich, A. H. O. & Holdren, J. P. *Human Ecology*. Freeman, 1973.

Greenwood, N. H. & Edwards, J. M. B. *Human Environments and Natural Systems*. Duxbury Press, 1973.

Heiser, G. B. *Seed to Civilisation*. Freeman, 1973.

Mulvaney, D. J. & Golson, G. eds. *Aboriginal Man and Environment in Australia*. A.N.U., 1973.

Nix, H. A. ed. *The City as a Life System*. Southwood, 1973.

Scientific American. *Biology and Culture in Modern Perspective*. Freeman, 1972.

Scientific American. *Science Conflict and Society*. Freeman, 1968.

Weiner, J. S. *Man's Natural History*. Weidenfeld & Nicolson, 1971.

Young, J. Z. *An Introduction to the Study of Man*. Clarendon, 1971.

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, 1967.

Roberts, M. B. V. *Biology; A Functional Approach*. Nelson, 1971.

PRINCIPAL REFERENCE BOOKS

Coult, D. A. *The Working Plant*. Longman, 1973.

Grenville, H. W. *Biology of the Individual*. Longman, 1971.

Griffin, D. R. & Novick, A. 2nd ed. *Animal Structure and Function*. Holt, Rinehart & Winston, 1970.

Kramer, A. ed. *Topics in the Study of Life*. Harper & Row, 1971.

Ray, P. M. *The Living Plant*. 2nd ed. Holt, Rinehart & Winston, 1972.

Springthorpe, E. G. *An Introduction to Functional Systems in Animals*. Longman, 1973.

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, 1971.

Odum, E. P. *Fundamentals of Ecology*. Saunders, 1953.

Watt, K. E. F. *Principles of Environmental Science*. McGraw-Hill, 1973.

PRINCIPAL REFERENCE BOOKS

- Ehrlich, P. R. & Ehrlich, A. H. *Population, Resources, Environment*. Freeman, 1972. Also in paperback.
 Kershaw, K. A. *Quantitative and Dynamic Ecology*. Arnold, 1964.
 Phillipson, J. *Ecological Energetics*. Arnold, 1966.
 Solomon, M. E. *Population Dynamics*. Arnold, 1969.
 Wagner, R. H. *Environment and Man*. Norton, 1971.

43.101 Genetics

Prerequisites: 17.001 or 17.011 and 17.021.

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

TEXTBOOK

Srb, A. M., Owen, R. D. & Edgar, R. S. *General Genetics*. 2nd ed. Freeman, 1965.

43.111 Plant Evolution and Ecology

Prerequisites: 17.011 and 17.021.

A study of the evolution of vegetative form and structure of vascular plants; an examination of their organization into terrestrial communities; identification, evolution and distribution of elements of the Australian flora. Students are required to attend field excursions, all of which form an integral part of the course.

TEXTBOOKS

- Beadle, N. C. W., Evans, O. E. & Carolin, R. C. *Flora of the Sydney Region*. Reed, 1972.
 Fahn, A. *Plant Anatomy*. Pergamon, 1967.

Principal reference books for the plant ecology section of this unit are supplied during the course.

43.121 Plant Physiology

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

A general introduction to the physiology of the whole plant including a consideration of photosynthesis, inorganic nutrition, transport, translocation, physiology of growth and development, and plant growth substances and their application in agriculture.

TEXTBOOKS

- Galston, A. W. & Davies, P. J. *Control Mechanisms in Plant Development*. Prentice-Hall, 1970.
 Richardson, M. *Translocation in Plants*. Arnold, 1968.
 Sutcliffe, J. *Plants and Water*. Arnold, 1968.
 Whittingham, C. P. *Photosynthesis*, O.U.P., 1971.

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

43.132 Mycology

Prerequisites: 17.001 or 17.011 and 17.021.

General structure and ultrastructure of the fungal cell. Morphology of members of the major taxonomic groups. Spore liberation, dispersal, deposition and germination. Cytology, genetics and patterns of life cycles. Growth and differentiation of hyphae and fruit bodies. Response to nutritional and environmental conditions for growth and reproduction. Transport processes, metabolism and metabolic products. Ecological considerations of fungi in specialised habitats.

TEXTBOOKS

Alexopoulos, C. J. *Introductory Mycology*. Wiley, 1962.

Burnett, J. H. *Fundamentals of Mycology*. Arnold, 1968.

43.142 Environmental Botany

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

An introduction to the marine, soil and atmospheric environments in which plants live and a study of the interaction of plants with their environment. Emphasis is placed on the role of environmental sciences in food production. Students are required to attend up to three full-day Saturday field excursions as part of the practical course.

43.152 Plant Pathology

History of plant pathology; pathogenic organisms; symptoms of disease. Specific diseases caused by fungi, nematodes, bacteria and viruses. Host-pathogen relationships including stages of infection, evolution of host-pathogen relationships, adaptation for successful parasitism, resistance mechanisms and genetics of resistance. Control of diseases by the use of fungicides, nematocides, crop rotation and breeding for resistance.

TEXTBOOKS

Alexopoulos, C. J. *Introductory Mycology*. Wiley, 1962.

Walker, J. C. *Plant Pathology*. 3rd ed. McGraw-Hill, 1968.

45.101 Biometry

Prerequisites: 17.001 or 17.011 and 17.021.

An introduction to statistical methods and their application to biological data, including: 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. Introduction to non-linear and multiple regression. Introductory factorial analysis. Introduction to experimental design. Non-parametric statistics, including tests based on χ^2 , the Kruskal-Wallis test, Fisher's exact probability test and rank correlation methods.

PRINCIPAL REFERENCE BOOKS

Rohlf, F. J. & Sokal, R. R. *Statistical Tables*. Freeman, 1969.

Sokal, R. R. & Rohlf, F. J. *Biometry*. Freeman, 1969.

Siegel, S. *Nonparametric Statistics*. McGraw-Hill, 1956.

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

Meglitsch, P. A. *Invertebrate Zoology*. 2nd ed. O.U.P., 1972.

Sherman, I. W. & Sherman, V. G. *The Invertebrates: Function and Form. A Laboratory Guide*. Collier-Macmillan, 1970.

PRINCIPAL REFERENCE BOOKS

Al-Hussaini, A. H. & Demian, E. J. *Practical Animal Morphology*. Macmillan, 1967.

Barnes, R. D. *Invertebrate Zoology*. Saunders, 1968.

Fraenkel, G. S. & Gunn, D. L. *Orientation of Animals*. Dover, 1961.

Hyman, L. *The Invertebrata*. Vols. 1-6. McGraw-Hill.

Imms, A. D. *Textbook of Entomology*. Methuen, 1962.

MacGinitie, G. E. & MacGinitie, N. *Natural History of Marine Animals*. McGraw-Hill, 1968.

Nicol, J. A. C. *The Biology of Marine Animals*. Pitman, 1967.

Prosser, C. L. & Brown, F. A. *Comparative Animal Physiology*. Saunders, 1961.

Wilbur, K. & Yonge, C. M. *Physiology of a Mollusc*. Vols. 1 & 2. Academic, 1966.

45.301 Vertebrate Zoology

Prerequisites: 17.001 or 17.011 and 17.021.

A comparative study of the Chordata. 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

Hilderbrand, M. *Analysis of Vertebrate Structures*. Wiley, 1974.

Romer, A. S. *The Vertebrate Story*. 4th ed. Chicago U.P., 1959. (Sixth Impression 1971).

PRINCIPAL REFERENCE BOOKS

Bellairs, A. *The Life of Reptiles*. Vols. 1 & 2. Weidenfeld & Nicolson Natural History, 1969.

Kurten, B. *The Age of the Dinosaurs*. Weidenfeld & Nicolson, 1968.

Marshall, A. J. *Biology and Comparative Physiology of the Birds*. Vols. 1 & 2. Academic, 1960-1961.

Saunders, J. T. & Manton, S. M. *A Manual of Vertebrate Morphology*. 4th ed. O.U.P., 1969.

Walker, E. P. *Mammals of the World*. 2nd ed. Johns Hopkins U.P., 1968.

Wessells, N. K. *Vertebrate Structure and Functions*. Readings from Scientific American. Freeman, 1974.

Young, J. Z. *The Life of Mammals*. Clarendon, 1957.

Young, J. Z. *The Life of the Vertebrates*. O.U.P., 1958.

CHEMISTRY

2.001 Chemistry I

Prerequisite: H.S.C. 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, Sydney, 1974.
Chemistry I—Laboratory Manual. Univ. of N.S.W., 1975.

Kneen, W. R., Rogers, M. J. W. & Simpson, P. *Chemistry: Facts, Patterns and Principles*. Addison-Wesley, 1972.

Schaum Outline Series. *Theory and Problems of College Chemistry*. SI (metric) ed. McGraw-Hill.

PRINCIPAL REFERENCE BOOKS

Barrow, G. M., Kenney, M. E., Lassila, J. D., Litle, R. L. & Thompson, W. E. *Understanding Chemistry*. Benjamin, 1969.

Brown, G. I. *A New Guide to Modern Valency Theory*. Longman, 1967.

Eastwood, F. W., Swan, J. M. & Yonatt, J. B. *Organic Chemistry. A First University Course in Twelve Programs*. Science Press, 1967.

Gray, H. B. & Haight, G. P. *Basic Principles of Chemistry*. Benjamin, 1967.

Pauling, L. *College Chemistry*. 3rd ed. Freeman, N.Y. 1964.

Runquist, O., Cresswell, C. J. & Head, J. T. *Chemical Principles: A Programmed Text*. Burgess Publishing Co., 1968.

Sisler, H. H., Van derWerf, C. A. & Davidson, A. W. *College Chemistry*. 3rd ed. Collier-Macmillan, 1967.

Vogel, A. I. *Macro and Semimicro Qualitative Analysis*. 4th ed. Longmans, 1954.

Chemistry II

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

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, 1973.

Shaw, D. J. *Introduction to Colloid and Surface Chemistry*. 2nd ed. Butterworth, 1970.

PRINCIPAL REFERENCE BOOKS

Adamson, A. W. *Textbook of Physical Chemistry*. Academic, 1973.

Alexander, A. E. & Johnson, P. *Colloid Science*. O.U.P., 1950.

Daniels, F. & Alberty, R. A. *Physical Chemistry*. 3rd ed. Wiley, 1966.

Daniels, F. et al. *Experimental Physical Chemistry*. 7th ed. McGraw-Hill, 1970.

Glasstone, S. *Textbook of Physical Chemistry*. 2nd ed. Van Nostrand, 1948.

Moore, W. J. *Physical Chemistry*. 4th or 5th ed. Longman, 1963 or 1972.

Shoemaker, D. P. & Garland, C. W. *Experiments in Physical Chemistry*. 2nd ed. McGraw-Hill, 1967.

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 A1. 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, 1966.

Larsen, E. M. *Transitional Elements*. Benjamin, 1965.

Quagliano, J. V. & Vallarino, L. M. *Coordination Chemistry*. Heath, Lexington, 1969.

or

2.

Cotton, F. A. & Wilkinson, G. *Advanced Inorganic Chemistry*. 2nd ed. Wiley, 1966.

PRINCIPAL REFERENCE BOOKS

Bailar, J. C. *Chemistry of Coordination Compounds*. Reinhold, 1960.

Barnard, A. K. *Theoretical Basis of Inorganic Chemistry*. McGraw-Hill, 1965.

Basolo, F. & Johnson, R. *Introduction to Coordination Chemistry*. Benjamin, 1964.

Graddon, D. P. *An Introduction to Coordination Chemistry*. 2nd ed. Pergamon, 1968.

Huheey, J. E. *Inorganic Chemistry, Principles of Structure and Reactivity*. Harper & Row, 1972.

Jones, M. M. *Elementary Coordination Chemistry*. Prentice-Hall, 1964.

Vogel, A. *A Textbook of Macro & Semi-Micro Qualitative Inorganic Analysis*. Longman.

Wells, A. F. *Structural Inorganic Chemistry*. 3rd ed. O.U.P., 1962.

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 electro-deposition and potentiometry; ion selective electrodes. Radioactive tracer techniques. Data evaluation in analytical chemistry. Qualitative analysis.

TEXTBOOKS

Ewing, G. W. *Instrumental Methods of Chemical Analysis*. McGraw-Hill, 1969.

Fischer, R. B. & Peters, D. G. *Quantitative Chemical Analysis*. Saunders, 1968.

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, 1973.

Only if proceeding to further study of Organic Chemistry:

Vogel, A. I. *Elementary Practical Organic Chemistry*. Pt. II. Qualitative Organic Analysis. Longman, 1957.

COMPUTER SCIENCE

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

6.601A Introduction to Computer Science

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

TEXTBOOK

To be advised.

PRINCIPAL REFERENCE BOOKS

- Bates, F. & Douglas, M. L. *Programming Language/One*. Prentice-Hall.
Dahl, O. J., Dijkstra, E. W. & Hoare, C. A. R. *Structured Programming*. Academic.
Knuth, D. *Fundamental Algorithms. The Art of Computer Programming*. Vol. 1. Addison-Wesley.
Maurer, H. A. & Williams, M. R. *A Collection of Programming Problems and Techniques*. Prentice-Hall.
Ralston, A. *Fortran IV Programming: A Concise Exposition*. McGraw-Hill.
Ralston, A. *Introduction to Programming and Computer Science*. McGraw-Hill.
Wirth, N. *Systematic Programming—An Introduction*. Prentice-Hall.

6.602C Computer Applications

A selection of topics from: Computer simulation. Modelling of discrete event systems, with applications to queueing; Pseudo random member generation and testing; simulation languages, especially GPSS. 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.

PRINCIPAL REFERENCE BOOKS

- Gass, S. I. *Linear Programming*. McGraw-Hill.
Gordon, G. *System Simulation*. Prentice-Hall.
Barrodale, I., Roberts, F. D. K. & Ehle, B. L. *Elementary Computer Applications*. Wiley.

THE SCHOOL OF DRAMA

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 Courses

57.101 World Drama One

An introduction to further study of drama, and 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.

PRINCIPAL REFERENCE BOOKS

- Arnott, P. *Greek Scenic Conventions*. O.U.P.
 Arnott, P. *Introduction to Greek Theatre*. O.U.P.
 Barker, H. G. *Prefaces to Shakespeare*. Batsford.
 Barker, H. G. & Hamson, G. B. *A Companion to Shakespeare Studies*. Doubleday Anchor.
 Beckerman, B. *Shakespeare at the Globe*. Macmillan.
 Bentley, E. *The Life of the Drama*. Atheneum.
 Bentley, E. *Theory of the Modern Stage: An Introduction to Modern Theatre and Drama*. Pelican.
 Bieber, M. *History of the Greek and Roman Theatre*. O.U.P.
 Boleslavsky, R. *Acting: The First Six Lessons*. Dobson.
 Bradbrook, M. C. *Ibsen the Norwegian*. Chatto & Windus.
 Bradbrook, M. C. *Themes and Conventions of Elizabethan Tragedy*. C.U.P.
 Bridges-Adams, W. *The Irresistible Theatre*. Vol. 1. Secker & Warburg.
 Brockett, O. *The Theatre*. Holt, Rinehart & Winston.
 Cheney, S. *The Theatre*. Vision, 1973.
 Fergusson, F. *The Idea of a Theatre*. Doubleday Anchor.
 Fjelde, R. ed. *Ibsen*. Prentice-Hall.
 Ford, B. ed. *The Age of Shakespeare*. Pelican.
 Freedley, G. & Reeves, J. A. *A History of the Theatre*. Crown.
 Hamilton, E. *The Greek Way*. Mentor.

- Harrison, G. B., *Elizabethan Plays and Players*. Ann Arbor Book.
 Hartnoll, P. *A Concise History of the Theatre*. Thames & Hudson.
 Heffner, H., Selden, S. & Selman, H. *Modern Theatre Practice*. Vision.
 Hodges, G. *The Globe Restored*. Benn.
 Hunningher, B. *Origin of the Theatre*. Hill & Wang.
 Kitto, H. D. F. *Form and Meaning in Drama*. University Paperback.
 Kitto, H. D. F. *Greek Tragedy*. Methuen.
 Kohler, C. *A History of Costume*. Dover.
 Magarshack, D. *Chekov the Dramatist*. Hill & Wang.
 Magarshack, D. *Stanislavsky on the Art of the Stage*. Faber.
 Nagler, A. M. *A Source Book of Theatrical History*. Dover.
 Nicoll, A. *Development of the Theatre*. Harrap.
 Nicoll, A. *World Drama*. Harrap.
 Simonson, L. *The Stage is Set*. Dover.
 Slonim, M. *Russian Theatre: from the Empire to the Soviets*. Macmillan, 1972.
 Sokel, W. ed. *Anthology of German Expressionist Drama*. Doubleday Anchor.
 Southern, R. *The Seven Ages of Theatre*. Faber.
 Stanislavsky, C. *An Actor Prepares*. Penguin.
 Stanislavsky, C. *Building a Character*. University Paperback.
 Strindberg, A. *Inferno*. Hutchinson.
 Strindberg, A. *A Madman's Defense*. Doubleday Anchor.
 Styant, J. L. *The Dramatic Experience*. C.U.P.
 Styant, J. L. *Elements of Drama*. C.U.P.
 Tillyard, E. M. W. *The Elizabethan World Picture*. Chatto & Windus.
 Valency, M. *The Breaking String*. O.U.P.
 Valency, M. *The Flower and the Castle*. Macmillan.
 Webster, T. B. L. *Greek Theatre Production*. Methuen.

57.102 World Drama Two

Prerequisite: 57.101.

Theatrical developments in the twentieth century. In addition to covering the plays on the syllabus and 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.
 Arden, J. *Serjeant Musgrave's Dance*. Methuen.
 Bolt, R. *A Man For All Seasons*. Heineman.
 Brecht, B. *Parables for the Theatre*. Penguin.
 Buzo, A. *Macquarie*. Currency Methuen.
 Esslin, M. ed. *Absurd Drama*. Penguin.
 Frisch, M. *The Fire Raisers*. Methuen.
 Ionesco, E. *Plays*. Penguin.
 O'Neill, E. *Desire Under the Elms*. Jonathan Cape.
 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.

PRINCIPAL REFERENCE BOOKS

All principal reference books suggested for 57.101 remain relevant; the following are to be added for 57.102.

- Artaud, A. *The Theatre and Its Double*. Grove.
 Brecht, B. *The Messingkauf Dialogues*. Methuen.

- Brook, P. *The Empty Space*. Atheneum.
 Clark, B. *Eugene O'Neill: The Man and His Plays*. Dover.
 Demetz, P. ed. *Brecht*. Prentice-Hall.
 Esslin, M. *The Theatre of the Absurd*. Pelican.
 Esslin, M. *Brecht: A Choice of Evils*. Eyre & Spottiswoode.
 Gassner, J. ed. *O'Neill*. Prentice-Hall.
 Gassner, J. *Directions in the Modern Theatre*. Holt, Rinehart & Winston.
 Gassner, J. *The Theatre in Our Times*. Crown.
 Grotowski, J. *Towards a Poor Theatre*. Methuen.
 Ionesco, E. *Notes and Counternotes*. Grove.
 Willett, J. *The Theatre of Bertolt Brecht*. Methuen.
 Willett, J. ed. & trans. *Brecht on Theatre*. Hill & Wang.

Upper Level Courses

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.
 Hodgson, J. & Richards, E. *Improvisation*. Methuen.
 Jennings, S. *Remedial Drama*. Pitman.
 Way, B. *Development Through Drama*. Longman.

PRINCIPAL REFERENCE BOOKS

- Adland, D. E. *Group Approach to Drama*. Longman.
 Berne, E. *Games People Play*. Penguin.
 Boulton, M. *The Anatomy of Drama*. Routledge.
 Bruner, J. *The Process of Education*. Harvard U.P.
 Chesler, M. & Fox, R. *Role-Playing Methods in the Classroom*. S.R.A., 1966.
 Coggin, P. A. *Drama and Education*. Thames & Hudson.
 Cook, H. C. *The Play Way*. Heineman.
 Courtney, R. *The School Play*. Pitman.
 Courtney, R. *Play, Drama and Thought*. Cassell.
 Courtney, R. *Teaching Drama*. Cassell.
 Fiala, O. *Action on Stage!* Reed.
 Heathcote, D. *Drama in Education*. Newcastle-upon-Tyne U.P.
 Hodgson, J. & Banham, M. eds. *Drama in Education I: The Annual Survey*. Pitman.
 Hodgson, J. & Banham, M. eds. *Drama in Education II: The Annual Survey*. Pitman.
 Holme, A. & Massie, P. *Children's Play*. Michael Joseph, 1970.
 Khan, S. *Psychodrama Explained*. N.Y. Philosophical Library.
 Laban, R. *Modern Educational Dance*. MacDonald & Evans, 1963.
 McClellan, J. *The Question of Play*. Pergamon, 1970.
 Moreno, J. L. *The Theatre of Spontaneity*. Beacon House.
 Parry, C. *English Through Drama*. C.U.P., 1972.
 Pemberton-Billing, R. & Clegg, J. D. *Teaching Drama*. 2nd ed. London U.P.
 Slade, P. *Child Drama*. London U.P.
 Spolin, V. *Improvisation for the Theatre*. North West U.P.
 Stanislavsky, C. *An Actor Prepares*. Penguin.

Stanislavsky, C. *The Building of a Character*. Penguin.
 Ward, W. *Playmaking with Children*. Appleton-Century-Crofts.
 Winnicott, D. W. *Playing and Reality*. Tavistock, 1971.

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, with emphasis on acting, design, architecture and direction.

TEXTBOOKS

Anouilh, J. *Antigone*. Methuen. Paperback.
 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. Paperback.
 Racine, J. *Andromaque*. Cairncross, J. trans. Penguin Classics.
 Taylor, T. *The Ticket of Leave Man*. In *19th Century Plays*. O.U.P. Paperback.
 Shakespeare, W. *Midsummer Night's Dream*. Any convenient edition.
 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.

PRINCIPAL REFERENCE BOOKS

Artaud, A. *The Theatre and Its Double*. Grove.
 Boyle, W. P. *Central and Flexible Staging*. California U.P.
 Brook, P. *The Empty Space*. MacGibbon & Kee.
 Chambers, E. K. *The Elizabethan Stage*. O.U.P.
 Duchartre, L. *The Italian Comedy*. Dover.
 Gassner, J. *Producing the Play*. Holt, Rinehart & Winston.
 Laver, J. *Drama. Its Costume and Decor*. Studio, 1957.
 Nagler, A. M. *A Sourcebook of Theatrical History*. Dover.
 Roose-Evans, J. *Experimental Theatre from Stanislavsky to Today*. Studio Vista.
 Southern, R. *Changeable Scenery*. Faber.
 Styan, J. L. *The Dramatic Experience*. C.U.P.
 Styan, J. L. *Chekov in Performance*. C.U.P., 1971.
 Williams, R. *Drama in Performance*. Pelican.

57.115 Victorian Popular Theatre

Prerequisite: 57.104.

Theatrical forms in England from the rise of Gothic melodrama to the society plays of the 1890's. The social environment, the personalities of the 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*. O.U.P. Paperback.

PRINCIPAL REFERENCE BOOKS

- Baker, H. B. *The London Stage, its History and Traditions*. 2 vols. Allen.
 Cole, J. W. *The Life and Theatrical Times of Charles Kean*. 2 vols. Bentley, 1859.
 Filon, A. *The English Stage*. Dodd, Mead & Co.
 Hanson, F. B. *Theatre Audiences of the 19th Century*. Diss. Yale. Microfilm.
 Lowe, R. W. ed. *Doran's Annals of the English Stage*. 3 vols. Nimmo.
 Mandeville, G. E. *A Century of Melodrama on the London Stage*. Diss. Columbia. Microfilm.
 Nagler, A. M. *A Source Book of Theatrical History*. Dover.
 Nicoll, A. *The History of English Drama*. Vols. 4 & 5. C.U.P.
 Odell, G. *Shakespeare from Betterton to Irving*. Blom.
 Reynolds, E. *Early Victorian Drama*. C.U.P.
 Rowell, G. *Victorian Dramatic Criticism*. Methuen.
 Rowell, G. *The Victorian Theatre*. O.U.P.
 Sherson, E. *London's Lost Theatres of the 19th Century*. Bodley Head.
 Southern, R. *The Victorian Theatre*. David & Charles.
 Watson, E. B. *Sheridan to Robertson*. Blom.

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.

PRINCIPAL REFERENCE BOOKS

- Aspects of the Drama and Theatre*. Sydney U.P.
 Ayling, R. F. *O'Casey*. Papermac.
 Barrett, W. *Irrational Man*. Study in Existential Philosophy. Heinemann.
 Bentley, E. *Bernard Shaw*. University Paperback.
 Bentley, E. *In Search of Theatre*. Knopf.
 Bree, G. ed. *Camus*. A Collection of Critical Essays. Prentice-Hall.
 Brustein, R. *The Theatre of Revolt*. Little, Brown & Co.
 Calderwood, J. & Toliver, H. *Perspectives on Drama*. O.U.P.
 Cambon, G. ed. *Pirandello*. Prentice-Hall.
 Cole, T. ed. *Playwrights on Playwriting*. Hill & Wang.
 Driver, T. F. *Romantic Quest and Modern Query*. Delacorte Press.
 Duran, M. ed. *Lorca*. Prentice-Hall.
 Eliot, T. S. *On Poetry and Poets*. Faber.
 Ellis-Fermor, U. *The Irish Dramatic Movement*. University Paperback.
 Esslin, M. *The Theatre of the Absurd*. Penguin.
 Fergusson, F. *The Human Image in Dramatic Literature*. Doubleday Anchor.
 Fergusson, F. *The Idea of a Theater*. Doubleday Anchor.
 Gascoigne, B. *Twentieth Century Drama*. Hutchinson.
 Gaskell, R. *Drama and Reality*. Routledge.
 Gassner, J. *The Theatre in Our Time*. Crown.
 Grossvogel, D. *Twentieth Century French Drama*. Columbia U.P.
 Jones, D. E. *The Plays of T. S. Eliot*. Routledge.
 Kaufman, W. ed. *Existentialism from Dostoevsky to Sartre*. Meridian.
 Kern, E. ed. *Sartre*. Prentice-Hall.
 Peacock, R. *The Art of Drama*. Routledge.
 Peacock, R. *The Poet in the Theatre*. Harcourt, Brace & World.
 Valency, M. *The Flower and the Castle*. Macmillan.
 Williams, R. *Drama from Ibsen to Eliot*. Peregrine.

57.135 Film

Prerequisite: 57.104.

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

TEXTBOOKS

Bazin, A. *What is Cinema?* California U.P.

Perkins, V. F. *Film as Film*. Pelican.

PRINCIPAL REFERENCE BOOKS

Davidson, B. *The Real and the Unreal*. Harper.

Eisenstein, S. M. *Film Form*.

Eisenstein, S. M. *Notes of a Film Director*. Foreign Languages Publishing House, Moscow.

Goodman, E. *The Fifty-Year Decline and Fall of Hollywood*. Simon & Schuster.

Graham, P. ed. *The New Wave*. Secker & Warburg.

Harcourt, D. & Eisenstein, S. M. *Film Sense*. Faber.

Hendricks, G. *The Edison Motion Picture Myth*. California U.P.

Kael, P. ed. *The Citizen Kane Book*. Secker & Warburg.

McBride, J. *Orson Welles*. Cinema One. Secker & Warburg.

Pudovkin, V. I. *Film Technique and Film Acting*. Evergreen.

Ross, L. *Picture*. Doubleday.

Seton, M. *Sergei M. Eisenstein*. Evergreen.

Spottiswood, R. *Film and Its Techniques*. California U.P.

Spottiswood, R. *A Grammar of the Film*. California U.P.

Stephenson, R. & Debrix, J. R. *The Cinema as Art*. Penguin.

Wollen, P. *Signs and Meaning in the Cinema*. Secker & Warburg, 1972.

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 U.P.

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.

Three Australian Plays. Kippax, H. G. intro. Penguin.

White, P. *Four Plays*. Sun Books.

Williamson, D. *Don's Party*. Currency Press.

Williamson, D. *Three Plays*. Currency Press.

PRINCIPAL REFERENCE BOOKS

Green, H. M. *An Outline of Australian Literature*, A. & R.

Hunt, H. *The Making of Australian Theatre*. Cheshire.

Irvin, E. *Theatre Comes to Australia*. Queensland U.P.

McGuire, P. *The Australian Theatre*. O.U.P.

Moore, W. & Inglis, T. *Best Australian One-Act Plays*. A. & R.

Rees, L. *Towards an Australian Drama*, A. & R.

Rees, L. *The Making of Australian Drama*. A. & R.
 Serle, G. *From Deserts the Prophets Come*. Heinemann.

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. B.B.C.
 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*. B.B.C.
 MacNeice, L. *The Dark Tower*. Faber.
 MacNeice, L. *Persons from Porlock and Other Plays for Radio*. B.B.C.
 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 Paperback.
 Dent.

PRINCIPAL REFERENCE BOOKS

Esslin, M. *The Mind as a Stage*. In *Theatre Quarterly*. Vol. 1, No. 3, July/September, 1971.
 Esslin, M. *The National Theatre of the Air*. B.B.C.
 Gielgud, V. *British Radio Drama 1922-1956*. Harrap.
 Hamilton, P. *Money With Menaces and To the Public Danger: Two Radio Plays*. Constable.
 Haworth, D. *We All Come to it in the End and Other Plays for Radio*. B.B.C.
 McWhinnie, D. *The Art of Radio*. Faber.
New English Dramatists 12: Radio Plays. Penguin.
 Reed, H. *Hilda Tablet and Others, Four Pieces for Radio*. B.B.C.
 Reed, H. *The Streets of Pompeii and Other Plays for Radio*. B.B.C.
 Rudkin, D. *Cries from Casement as his Bones are Brought to Dublin*. B.B.C.
 Thomas, D. *Under Milk Wood, a Play in Two Acts*. Acting Edition. Dent.

57.116 Japanese Theatre

Prerequisite: 57.104.

Japanese theatre and drama, with particular reference to Noh and Kabuki.

TEXTBOOKS

Keene, D. *Four Major Plays of Chikamatsu*. Columbia U.P.
 Keene, D. *Twenty Plays of No Theatre*. Columbia U.P.
 Keene, D. ed. *Anthology of Japanese Literature*. Allen & Unwin.
 Keene, D. trans. *Chūshingura*. Columbia U.P.
 McKinnon, R. *Selected Plays of Kyogen*. Tokyo.
 Nippon Gakujutsu Shinkakai. *The Noh Drama*. Vol. 1. Tuttle.
 Richie, D. & Watanabe, M. *Six Kabuki Plays*. Hokuseido Press.

PRINCIPAL REFERENCE BOOKS

- Araki, J. T. *The Ballad-Drama of Medieval Japan*. California U.P.
 Arnott, P. D. *The Theatres of Japan*. Macmillan.
 Ernst, E. *The Kabuki Theatre*. Hawaii U.P.
 Hirbet, H. *The Floating World in Japanese Fiction*. O.U.P.
 Lombard, F. A. *An Outline of the Japanese Drama*. Haskell House.
 O'Neill, P. G. *Early Noh Drama*. Lund Humphries.
 Sadler, A. L. *Japanese Plays*. A. & R.
 Sakanishi, S. *Japanese Folk Plays; The Ink-smeared Lady and other Kyogen*. Tuttle, 1960.
 Scott, A. C. *The Kabuki Theatre of Japan*. Allen & Unwin.
 Tsunoda, R. ed. *Sources of Japanese Tradition*. Columbia U.P.
 Watts, A. W. *The Way of Zen*. Pelican.
 Webb, H. *An Introduction to Japan*. Columbia U.P.

57.126 Form and Idea in Drama from 1950*

Prerequisite: 57.125.

Representative works of recent years and their theoretical background. An investigation is made of 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.

PRINCIPAL REFERENCE BOOKS

- Appia, A. *Music and the Art of the Theatre*. Miami U.P.
 Artaud, A. *The Theatre and Its Double*. Grove.
 Barrault, J. L. *The Theater of Jean-Louis Barrault*. Barrie & Rockliff.
 Bentley, E. ed. *The Theory of the Modern Stage*. Pelican.
 Brook, P. *The Empty Space*. Athenaeum.
 Craig, G. *The Art of the Theatre*. Mercury.
 Esslin, M. ed. *Samuel Beckett*. Prentice-Hall.
 Esslin, M. *Brecht: A Choice of Evils*. Eyre & Spottiswoode.
 Esslin, M. *The Theatre of the Absurd*. Penguin.
 Gaskell, R. *Drama and Reality*. Routledge.
 Gassner, J. *The Theatre in Our Time*. Crown.
 Greene, N. *Antonin Artaud: Poet Without Words*. Simon & Schuster.
 Grotowski, J. *Towards a Poor Theatre*. Methuen.
 Jackson, E. *The Broken World of Tennessee Williams*. Wisconsin U.P.
 Jones, R. E. J. *The Dramatic Imagination*. Suell, Aloa & Pearce.
 Kerr, W. *God on the Gymnasium Floor*. Simon & Schuster.
 Kerr, W. *Pieces of Eight*. Hawthorn.
 Meserve, W. J. ed. *Discussions of Modern American Drama*. Heath.
 Meyerhold, E. tr. *Meyerhold on Theatre*. Methuen.
 Sellin, E. *The Dramatic Concepts of Antonin Artaud*. Chicago U.P.
 Slonim, M. *Russian Theatre*. World.
 Sokel, W. *Anthology of German Expressionism*. Doubleday Anchor.
 Sokel, W. *The Writer in Extremis*. McGraw-Hill.
 Sykes, A. *Harold Pinter*. Queensland U.P.
 Willett, J. *Expressionism*. World University Library.

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

57.136 Film Two*

Prerequisite: 57.135.

Contemporary narrative style in film. Five feature films are examined in depth.

TEXTBOOKS

Bazin, A. *What is Cinema?* Gray, H. tr. California U.P.

Cameron, I. ed. *The Second Wave*. Studio Vista.

Wollen, P. *Signs and Meaning in the Cinema*. Secker & Warburg.

PRINCIPAL REFERENCE BOOKS

Arnheim, R. *Visual Thinking*. California U.P., 1971.

Callenbach, E. ed. *Film Quarterly 1965-1972*.

Fulton, A. R. *Motion Pictures*. Oklahoma U.P., 1970.

Jacobs, L. ed. *Introduction to the Art of the Movies*. Noonday Press.

Michelson, A. *Film and the Radical Aspiration*. Film Culture 42.

Morin, E. *The Stars*. Evergreen.

Sarris, A. *Interviews with Film Directors*. Dutton & Co.

Thomson, D. *Movie Man*. Secker & Warburg.

Warshaw, R. *The Immediate Experience*. Doubleday.

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.

PRINCIPAL REFERENCE BOOKS

As for 57.103, together with:

Barnfield, G. *Creative Drama in Schools*. Macmillan.

Boyle, W. P. *Central and Flexible Staging*. California U.P.

Brown, J. R. *Drama and the Theatre*. Routledge.

Burgess, C. V. *Discovering the Theatre*. U.L.P.

Coger, L. I. & White, M. *Readers' Theatre Handbook*. Scott Foresman.

Hanratty, J. *Fact and Fiction: An Anthology of Drama Work*. C.U.P.

Hodgson, J. & Richards, E. *Improvisation*. Newcastle-upon-Tyne U.P.

Slade, P. *Dramatherapy as an Aid to Becoming a Person*. Guild of Pastoral Psychology.

Slade, P. *Experience of Spontaneity*. Longman.

Wiles, J. & Garrard, A. *Leap to Life*. Chatto & Windus.

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

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 U.P.

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.

PRINCIPAL REFERENCE BOOKS*General*

Cruikshank, J. *French Literature and its Background. Vol. 2. The Seventeenth Century.* Oxford Paperbacks.

Lancaster, H. C. *A History of French Dramatic Literature in the Seventeenth Century.* 9 Vols. Gordian, 1966.

Lockert, L. *Studies in French Classical Tragedy.* Vanderbilt U.P.

Lough, J. *An Introduction to Seventeenth Century France.* Longman.

Lough, J. *Paris Theatre Audiences in the 17th and 18th Centuries.* O.U.P.

Moore, W. G. *The Classical Drama of France.* O.U.P.

Turnell, M. *The Classical Moment.* Hamish Hamilton.

Material Conditions

Lawrenson, T. E. *The French Stage in the Seventeenth Century.* Manchester U.P.

Corneille

Lockert, L. *The Chief Plays of Corneille.* Princeton U.P.

Yarrow, P. J. *Corneille.* Macmillan.

Racine

Lapp, J. *Aspects of Racinian Tragedy.* Toronto U.P.

de Morgues, O. *Racine or the Triumph of Relevance.* C.U.P.

Turnell, M. *Jean Racine—Dramatist.* Hamish Hamilton.

Weinberg, B. *The Art of Jean Racine.* Chicago U.P.

Moliere

Bergson, H. *Laughter*. Doubleday Anchor.

Gossman, L. *Men and Masks: A Study of Moliere*. John Hopkins U.P.

Guicharnaud, J. *Moliere: A Collection of Critical Essays*. Prentice-Hall.

Hubert, J. *Moliere: The Comedy of Intellect*. California U.P.

Moore, W. G. *Moliere: A New Criticism*. O.U.P.

Advanced Level Courses**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.

PRINCIPAL REFERENCE BOOKS

Beckerman, B. *Dynamics of Drama*. Columbia U.P.

Bentley, E. *The Life of the Drama*. Methuen.

Crane, R. S. ed. *Critics and Criticism*. University of Chicago Press.

Daiches, D. *Critical Approaches to Literature*. Longman.

Dawson, S. W. *Drama and the Dramatic: The Critical Idiom*. Methuen.

Frye, N. *Anatomy of Criticism*. Princeton U.P.

Gardner, H. *The Business of Criticism*. O.U.P.

Glicksberg, C. I. *American Literary Criticism: 1900-1950*. Hendricks House, N.Y.

Hyman, S. H. *The Armed Vision*. Knopf.

Littlewood, S. R. *The Art of Dramatic Criticism*. Pitman.

Lucas, F. L. *Literature and Psychology*. Cassell.

Ruitenbeck, H. M. ed. *Psychoanalysis and Literature*. Dutton.

Scott, W. S. *Five Approaches of Literary Criticism*. Collier-Macmillan.

Shumaker, W. *Elements of Critical Theory*. California U.P.

Styan, J. *The Elements of Drama*. C.U.P.

Styan, J. *Shakespeare's Stagecraft*. C.U.P.

Sutton, W. & Foster, R. *Modern Criticism; Theory and Practice*. Odyssey.

Watson, G. *The Literary Critics*. Chatto & Windus.

Wellek, R. & Warren, A. *The Theory of Literature*. Peregrine.

Wilson, E. *The Triple Thinkers*. Pelican.

Wimsatt, W. & Brooks, C. *Literary Criticism: A Short History*. Knopf.

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.

PRINCIPAL REFERENCE BOOKS

As for 57.113 with the following additions:

- Atkins, J. W. H. *English Literary Criticism: Seventeenth and Eighteenth Centuries*. Methuen.
 Bradley, A. C. *Shakespearean Tragedy*. Macmillan.
 Ridler, A. ed. *Shakespeare Criticism: 1919-1935*. World Classics.
 Clark, B. *European Theories of the Drama*. Rev. ed. Crown.
 Barker, H. *Prefaces to Shakespeare*. Sidgwick & Jackson.
 Coleridge, S. T. *On Shakespeare*. Hawkes, T. ed. Penguin.
 Johnson, S. *On Shakespeare*. Wimsatt, W. K., ed. Penguin.
 Knight, G. Wilson, *The Imperial Theme*. O.U.P.
 Knight, G. Wilson, *Wheel of Fire*. O.U.P.
 Kott, J. *Shakespeare, Our Contemporary*. Methuen.
 Marowitz, C. *Confessions of a Counterfeit Critic*. Eyre Methuen.
 Rabkin, N. ed. *Approaches to Shakespeare*. McGraw-Hill Paperbacks.
 Ralli, A. *A History of Shakespearean Criticism*. Methuen.
 Rowell, G. *Victorian Dramatic Criticism*. Methuen.
 Smith, D. N. *Shakespearean Criticism*. Oxford World Classics.
 Tynan, K. *Tynan Right and Left*. Longmans Green.
 Shaw, G. B. *On Shakespeare*. Wilson, E. ed. Penguin, 1969.
 Wilson, J. *What Happens in Hamlet?* C.U.P.

57.505 Greek Drama and Civilization

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

Includes two Upper Level courses, 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 U.P.

PRINCIPAL REFERENCE BOOKS

References to be specified from year to year but to include:

- Arnott, P. *Greek Scenic Conventions*. O.U.P.
 Bieber, M. *History of the Greek and Roman Theatre*. O.U.P.
 Cambridge, A. W. Pickard. *Dithyramb, Tragedy and Comedy*. 2nd ed. O.U.P.
 Decharme, P. *Euripides and the Spirit of his Dramas*. Macmillan.
 Dodds, E. R. *The Greeks and the Irrational*. Beacon Press.
 Jaeger, W. *Paideia*. Blackwell.
 Kitto, H. D. F. *Greek Tragedy*. Methuen.
 Kjellberg, E. & Safflund, G. *Greek and Roman Art*. Faber.
 Murray, G. *Aeschylus, the Creator of Tragedy*. Oxford Paperback.
 Pollitt, J. J. *Art of Greece 1400-31 B.C.* Prentice-Hall.
 Richter, G. *The Sculpture of the Greeks*. Yale U.P.

- Robertson, C. M. *Greek Painting*. Geneva.
Snell, B. *The Discovery of the Mind*. Harper Torchbook.
Thomson, G. D. *Aeschylus and Athens*. Laurence & Wishart.
Waldock, A. J. A. *Sophocles the Dramatist*. C.U.P.
Webster, T. B. L. *Art and Literature, 700-530 B.C.* Otago U.P.
Webster, T. B. L. *Art and Literature, 530-400 B.C.* O.U.P.
Webster, T. B. L. *The Tragedies of Euripides*. Methuen.

57.515 Comedy

Prerequisite: 57.114 at Credit Level or better. Co-requisite: 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.
Styan, J. L. *The Dark Comedy*. C.U.P.
Welsford, E. *The Fool*. Doubleday Anchor.

PRINCIPAL REFERENCE BOOKS

Comedies of various periods, as prescribed.

Honours Level unit

57.526 Drama Honours

Prerequisites: 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

Level I units

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

The economic development of medieval Europe, the interaction of population growth, migration, agriculture expansion, technology, industry and trade. Demographic crisis and the consequences of a declining population in the later Middle Ages. The expansion of Europe 1500-1700 with reference to the relative decline of the Mediterranean and Eastern Europe and the emergence of an Atlantic economy; discoveries, colonization and overseas trade; agrarian change and the emergence of mercantile capitalism.

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.

*Hill, C. *Reformation to Industrial Revolution*. Penguin.

*Hodgett, G. A. J. *A Social and Economic History of Medieval Europe*. Methuen.

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

Aims to provide 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, 1968.

TEXTBOOKS

*Hughes, J. *Industrialization and Economic History*. McGraw-Hill, 1970.

*Kenwood, A. G. & Loughheed, A. L. *The Growth of the International Economy: 1820-1960*. Australasian Pub. Co.

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

Prerequisite: 15.601.

Aims to delineate and explain the origins and evolution of the modern Australian economy from Federation to the present day. Topics include: 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, 1967.

TEXTBOOKS

*Boehm, E. A. *Twentieth Century Economic Development in Australia*. Longman, 1971.

*Forster, C. ed. *Australian Economic Development in the Twentieth Century*. Allen & Unwin, 1970.

*Playford, J. & Kirsner, D. *Australian Capitalism*. Penguin, 1972.

Schedvin, C. B. *Australia and the Great Depression*. Sydney U.P., 1970.

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.

* Paperback.

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 U.S.A.: 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

*Degler, C. *Out of Our Past*. Harper & Row.

TEXTBOOKS

*Cochran, T. C. & Brewer, T. B. *Views of American Economic Growth*. Vol. 1. McGraw-Hill, 1966.

*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.

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

Prerequisite: 15.622.

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

PRELIMINARY READING

*Degler, C. *Out of Our Past*. Harper & Row.

TEXTBOOKS

*Cochran, T. C. *The American Business System, 1900-1955*. Harper & Row.

*Cochran, T. C. & Brewer, T. B. *Views of American Economic Growth*. Vol. 2. McGraw-Hill.

*Hays, S. B. *The Response to Industrialism, 1885-1914*. Chicago U.P.

*Jones, M. *American Immigration*. Chicago U.P.

*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 and Unwin/University, 1970.

TEXTBOOKS

*Robinson, J. & Eatwell, J. *An Introduction to Modern Economics*. McGraw-Hill, 1973.

*Gould, J. D. *Economic Growth in History*. Methuen, 1972.

*Floud, R. *Introduction to Quantitative Methods for Historians*. Methuen, 1973.

15.603 Australian Economic Development in the Nineteenth Century

Prerequisite: 15.011 or 15.692.

Examines 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, 1966.

*Clark, C. M. H. *A Short History of Australia*. Mentor, 1963.

TEXTBOOKS

*Abbott, G. J. & Nairn, N. B. *Economic Growth of Australia 1788-1821*. M.U.P., 1969.

*Butlin, N. G. *Investment in Australian Economic Development 1860-1900*. Department of Economic History Reprint, A.N.U., 1972.

*Fitzpatrick, B. *The British Empire in Australia 1834-1939*. Macmillan, 1969.

*Roberts, S. H. *A History of Australian Land Settlement*. Macmillan, 1969.

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 colonization. The Second World War and co-prosperity. The post-war 'miracle' and Japan's present position in the world.

PRELIMINARY READING

*Storry, R. *A History of Modern Japan*. Penguin, 1970.

TEXTBOOKS

*Allen, G. C. *A Short Economic History of Japan*. 3rd ed. Allen & Unwin, 1973.

*Bieda, K. *Structure and Operation of the Japanese Economy*. Wiley, 1970.

*Lockwood, W. W. *The State and Economic Enterprise in Japan*. Princeton U.P.

15.643 British Imperialism since 1870

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.

PRELIMINARY READING

*Cross, C. *The Fall of the British Empire*. Paladin, 1968.

*Oliver, R. & Fage, J. D. *A Short History of Africa*. Penguin African Library, 1970.

*Shaw, A. G. L., ed. *Great Britain and the Colonies 1815 to 1865*. Methuen/University Paperbacks.

No textbook is prescribed for this course. A reading list will be 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, 1969.

Briggs, A. *The Age of Improvement*. Longman.

TEXTBOOKS

*Deane, P. *The First Industrial Revolution*. C.U.P., 1965.

*Flinn, M. W. *Origins of the Industrial Revolution*. Longman, 1966.

*Hartwell, R. M. *The Industrial Revolution and Economic Growth*. Methuen, 1971.

*Thompson, E. P. *The Making of the English Working Class*. Penguin.

15.663 Economic Change in Modern India 1850-1950

An explanation of the elements of stagnation and areas of change in the Indian economy from 1850 to the present day. Trends in population output, national income, international trade and other economic indicators are studied. Attention is focused on the impact of land tenure systems, economic policies and social structure on the course of economic development in India.

PRELIMINARY READING

*Spear, T. G. P. *A History of India*. Vol. II. Pelican, 1968.

*Gadgil, D. R. *The Industrial Evolution of India in Recent Times*. 5th ed. O.U.P., 1971.

*Srinivas, M. N. *Indian Social Structure*. Min. of Information & Broadcasting, Govt. of India, New Delhi, 1969.

TEXTBOOKS

No set text. 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

No set text. A reading list is provided.

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, 1972.

*Gerschenkron, A. *Economic Backwardness in Historical Perspective*. Harvard U.P. Penguin.

*Nove, A. *An Economic History of the U.S.S.R.* Penguin.

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 economics 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, 1970.
- *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, Böhm-Bawerk, Pareto, Marshall, Wicksell, 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, 1972.
- *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.

PRELIMINARY READING

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

TEXTBOOK

No textbook is prescribed for this course. A reading list will be provided.

* Paperback.

15.763 Population in History

Population and socio-economic change. Theories of population. Case studies: England during the Industrial Revolution; Ireland 1750-1850; France 1750-1900; Germany 1840-1914; U.S.A. 1800-1900. Amongst the factors considered are marriage customs; systems of inheritance; birth control; the impact of migration and urbanization. Population problems in the less developed countries and in advanced industrial societies; the population explosion and its causes; the possibilities of zero population growth.

PRELIMINARY READING

*Cipolla, C. *The Economic History of World Population*. Penguin.

TEXTBOOKS

*Drake, M. *Population in Industrialization*. Methuen.

*Habakkuk, H. J. *Population Growth and Economic Development since 1750*. Leicester U.P.

*Pressat, R. *Population*. Penguin.

Advanced Level units

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

15.632 American Economic Development before the Civil War

As for 15.622, with additional work.

15.672 Economic Change in the United States since the Civil War

Prerequisite: 15.632.

As for 15.662, with additional work.

15.613 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

Prerequisite: 15.011 or 15.692 and 15.601 or 15.711.

As for 15.623, with additional work.

* Paperback.

* 15.743 The Growth of Cities in the Nineteenth and Twentieth Centuries

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, 1968.

Frank, A. G. *Capitalism and Underdevelopment in Latin America*. Penguin, 1971.

*Thernstrom, S. & Sennett, R. eds. *Nineteenth Century Cities: Essays in the New Urban History*. Yale U.P., 1969.

TEXTBOOK

No set text. A reading list is provided.

Honours Level units

In order to enrol in an **Honours Level unit**, a candidate must have completed (a) at least **two** Advanced Level units in economic history, and (b) **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 } 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.

* Paperback.

† A candidate may be allowed by the Head of the Department of Economic History to substitute an Upper or Advanced Level Unit in place of this subject.

ECONOMICS

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 monopolistic market structures, an introduction to distribution theory and resources allocation problems.

INTRODUCTORY READING

Samuelson, P. A., Hancock, K. & Wallace, R. *Economics: Australian Edition*. McGraw-Hill, Sydney, 1970.

TEXTBOOKS

Lipsey, R. G. *An Introduction to Positive Economics*. 3rd ed. Weidenfeld & Nicolson, 1971.

Stilwell, J. A. & Lipsey, R. G. *Workbook to Accompany an Introduction to Positive Economics*. 2nd ed. Weidenfeld & Nicolson, 1971.

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

Commonwealth of Australia. *Australian National Accounts: National Income and Expenditure 1972-1973*. Commonwealth Bureau of Census & Statistics, Canberra, 1974.

Rowan, D. C. *Output, Inflation and Growth*. Australian ed. Macmillan, 1975.

15.411 Quantitative Methods A

Prerequisite: H.S.C. 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, 1973.

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.

PRELIMINARY READING

Cormack, R. M. *The Statistical Argument*. Oliver & Boyd, 1971.

or

*Reichmann, W. J. *Use and Abuse of Statistics*. Pelican.

TEXTBOOKS

*Hoel, P. G. & Jessen, R. J. *Basic Statistics for Business and Economics*. Wiley, 1971.

*Spiegel, M. R. *Theory and Problems of Statistics*. Schaum, 1972.

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

Nevile, J. W. *Fiscal Policy in Australia*. Cheshire, 1970.

Nevile, J. W. & Stammer, D. W. eds. *Inflation and Unemployment*. Pelican, 1971.

Rowan, D. C. *Output, Inflation and Growth*. Australian ed. Macmillan, 1975.

Runcie, N. *Economics of Instalment Credit*. Univ. of London Pub., 1969.

Runcie, N. ed. *Australian Monetary and Fiscal Policy*. Univ. of London Pub., 1971.

15.072 Economics IIE

Prerequisite: 15.011.

The application of microeconomic theory to consumer expenditure decisions and to pricing and investment decisions of firms. The nature and effects of oligopolistic competition, technological change and international trade and investment. Nature of benefit-cost analysis and its application to public investment decisions.

TEXTBOOKS

Findlay, R. *Trade and Specialization*. Penguin, 1970.

McColl, G. D. ed. *Overseas Trade and Investment*. Pelican, 1972.

Thompson, A. A. *Economics of the Firm: Theory and Practice*. Prentice-Hall, 1972.

15.263 Economics IIID

Prerequisite: 15.062 or 15.012.

Economics IIID consists of **any two** of the following session units:

15.043 Comparative Economic Systems

Analysis of different economic systems and the way in which the basic economic problems are solved; a critical appraisal of the efficiency with which resources are allocated in different economies. The emphasis will be on the study of socialist economies, including the U.S.S.R., China and Yugoslavia. The Japanese economy will be included as an example of indicative planning.

TEXTBOOKS

*Bieda, K. *The Structure and Operation of the Japanese Economy*. Wiley, 1970.

Carson, R. L. *Comparative Economic Systems*. Macmillan, 1973.

Wilczynski, J. *The Economics of Socialism*. 2nd ed. Allen & Unwin, 1972.

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, 1973.

Spiegelglas, S. & Welsh, C. J. eds. *Economic Developments*. Prentice-Hall, 1970.

Sutcliffe, R. B. *Industry & Development*. Addison-Wesley, 1971.

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 work force, industry, occupations and technology; work-leisure preferences; types of unemployment and Phillips' Curve analysis; wage theory and practice, with reference to market forces, collective bargaining and government regulation; the development of the Australian arbitration system, and wage determinants within and outside the arbitration system; wage differentials; wages and incomes policies.

TEXTBOOKS

Niland, J. R. & Isaac, J. E. *Australian Labour Economics Readings*. Sun Books, 1975.

Rees, A. *The Economics of Work & Pay*. Harper & Row, 1973.

15.092 The Political Economy of Contemporary Capitalism

A discussion of 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, 1968.

Eaton, J. *Political Economy*. Int. Publishers, 1970.

Galbraith, J. K. *The New Industrial State*. 2nd ed. Penguin, 1973.

Hunt, E. K. & Schwartz, J. G. eds. *A Critique of Economic Theory*. Penguin, 1972.

15.273 Economics IIIIE

Prerequisite: 15.072 plus H.S.C. 2s mathematics or equivalent mathematical knowledge.

Consists of a core unit, International Economics, plus either Public Finance or Industrial Organization and Control.

International Economics

International trade and investment, tariffs and other restrictions, the balance of payments, the international monetary system, internal and external balance.

TEXTBOOKS

Caves, R. & Jones, R. W. *World Trade and Payments: An Introduction*. Little Brown, 1973.

Cohen, B. *Balance of Payments Policy*. Penguin, 1969.

Cooper, R. ed. *International Finance*. Penguin, 1969.

McColl, G. D. ed. *Overseas Trade and Investment*. Pelican, 1972.

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 centralised fiscal systems and local government finance; budget effects and the role of fiscal policy.

TEXTBOOKS

Allan, C. M. *The Theory of Taxation*. Penguin, 1971.

Dixon, J. ed. *The Public Sector*. Pelican, 1972.

Eckstein, O. *Public Finance*. 3rd ed. Prentice-Hall, 1973.

Herber, B. P. *Modern Public Finance: The Study of Public Sector Economics*. Irwin, 1971.

Houghton, R. W. ed. *Public Finance*. Penguin, 1970.

Neville, J. W. *Fiscal Policy in Australia*. Cheshire, 1972.

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 U.K., U.S., E.E.C., and Australia.

TEXTBOOKS

Needham, D. ed. *Readings in the Economics of Industrial Organization*. Holt, Rinehart & Winston, 1970.

Scherer, F. M. *Industrial Market Structure and Economic Performance*. Rand McNally, 1970.

15.412 Quantitative Economic Techniques A

Prerequisite: 15.421 or 10.001.

Simple and multiple regression analysis with applications in economics. Extensions to simultaneous equation models.

TEXTBOOK

No set text. 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

No set text. 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 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, oligopolistic competition, market stability and general equilibrium.

TEXTBOOKS

Ferguson, C. E. *Micro-Economic Theory*. 3rd ed. Irwin, 1972.

15.032 Economics IIB

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

An introduction to welfare economics and its application to some contemporary problems of public policy.

TEXTBOOKS

Ferguson, C. E. *Micro-Economic Theory*. 3rd ed. Irwin, 1972.

Layard, R. ed. *Cost-Benefit Analysis*. Penguin, 1972.

Mishan, E. J. *Cost-Benefit Analysis*. Allen & Unwin, 1971.

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., 1972.

Neville, J. W. *Fiscal Policy in Australia*. Cheshire, 1972.

Rowan, D. C. *Output, Inflation and Growth*. Aust. ed. Macmillan, 1975.

Wrightman, D. *An Introduction to Monetary Theory & Policy*. Free Press, 1971.

15.013 Economics IIIA

Prerequisite: Credit or better in 15.052 or consent of the Head of the Department.

Macroeconomic theory and policy, building directly on 15.052 Economics IIC (Honours), 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.

TEXTBOOKS

Branson, W. H. *Macroeconomic Theory and Policy*. Harper & Row, 1972.

Burton, J. *Wage Inflation*. Macmillan, 1972.

Gibson, W. E. & Kaufman, G. D. *Monetary Economics, Readings in Current Issues*. McGraw-Hill, 1971.

Neville, J. W. *Fiscal Policy in Australia*. Cheshire, 1972.

Neville, J. W. & Stammer, D. eds. *Inflation and Unemployment*. Pelican, 1971.

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, 1969.

Caves, R. & Jones, R. W. *World Trade and Payments: An Introduction*. Little Brown, 1973.

Cohen, B. *Balance of Payments Policy*. Penguin, 1969.

Cooper, R. ed. *International Finance*. Penguin, 1969.

Heller, H. R. *International Trade: Theory and Empirical Evidence*. 2nd ed. Prentice-Hall, 1973.

McColl, G. D. ed. *Overseas Trade and Investment*. Pelican, 1972.

Meade, J. E. *A Geometry of International Trade*. Allen & Unwin, 1952.

15.173 Research Methods and Methodology

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

Includes a critical appraisal of the methodology of economics and an examination of research tools.

TEXTBOOK

No set text.

Honours Level units**15.024 } Economics Honours (Arts)**
15.034 }

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

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 only prerequisite is a Pass at Level II or Level I in the Higher School Certificate Examination, or an equivalent acceptable to the University.

Students who wish to take an Honours degree in English are strongly advised to include in their programme courses in a foreign language.

A major sequence in English is considered to be 50.512 English IIA followed by 50.513 English IIIA. Honours students, however, are required, in their second and third years, to follow the sequence 50.532 English IIC—50.523 English IIIB. Both Pass and Honours students may, in addition, take 50.522 English IIB and Pass students may take 50.522 English IIB by itself.

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 should *also* be read if possible before lectures begin.

Level I units

English I

Students take *either* English IA, 50.511, *or* English IB, 50.521. The B course may be the more suitable for students whose reading at school has been mainly in modern literature.

50.511 English IA

The course consists of

- (a) an introduction to twentieth-century literature, 2 lectures a week;
- (b) Language and earlier literature, 1 lecture a week.

TEXTBOOKS

- (i) *Language and Earlier Literature*
 - (a) Quirk, R. *The Use of English*. Longman.
 - (b) Bradley, H. *The Making of English*. Papermac.
 - (c) Charles W. Dunn, ed. *A Chaucer Reader*. Harcourt Brace.
- (ii) *Twentieth-Century Literature*
 - (a) *Drama*
 Shaw. *Major Barbara*.
 O'Casey. *The Plough and the Stars*.
 O'Neill. *The Iceman Cometh*.
 Stewart. *Ned Kelly*.
 Beckett. *Krapp's Last Tape*.
 Lawler. *Summer of the Seventeenth Doll*.
 Stoppard. *Jumpers*.
 Williams. *A Street Car Named Desire*.
 (each of these in any unabbreviated edition)

(b) *The Novel*Conrad. *Heart of Darkness*.Murphy. *Such is Life*.Joyce. *A Portrait of the Artist as a Young Man*.Lawrence, D. H. *Women in Love*.Faulkner. *As I Lay Dying*.Forster. *A Passage to India*.Styron. *Nat Turner*.

(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.**50.521 English IB**

The course consists of

- (a) the study of texts, the principal kinds, and development, in English literature of (i) drama, (ii) the novel, (iii) poetry; 2 lectures a week;
- (b) Language and earlier literature, 1 lecture a week.

TEXTBOOKS(i) *Language*(a) Quirk, R. *The Use of English*. Longman.(b) Bradley, H. *The Making of English*. Papermac.(c) Chaucer. *A Chaucer Reader* ed. Charles W. Dunn. Harcourt Brace & World.(ii) *Literature*(a) *Drama*Kyd. *The Spanish Tragedy*.Marlowe. *Edward II*.Shakespeare. *Othello*.Jonson. *Volpone*.Congreve. *Love For Love*.Shaw. *The Doctor's Dilemma*.Beckett. *Krapp's Last Tape*.Stoppard. *Jumpers*.

(each of these in any unabbreviated edition)

(b) *The Novel*Defoe. *Roxana*.Austen. *Norihanger Abbey*.Eliot. *Adam Bede*.James. *The Turn of the Screw*.Conrad. *Heart of Darkness*.Hemingway. *Fiesta (The Sun also Rises)*.Styron. *Nat Turner*.

(each of these in any unabbreviated edition)

(c) *Poetry*Hayward, J. ed. *The Penguin Book of English Verse*.

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

Davie, D. ed. *The Late Augustans*. Heinemann.
Houghton, W. E. *The Victorian Frame of Mind*. Yale.
Arnold, M. *The Portable Matthew Arnold*. Viking.

PROSE — RECOMMENDED READING

Jane Austen. *Emma*; *Persuasion*.
Dickens. *Oliver Twist*; *Little Dorritt*.
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, Hopkins.

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, *either Selected Poetry and Prose*, ed. Stauffer (Modern Library C.E.) or *Selected Poetry and Prose*, ed. Briggs (Modern Library C.E.); 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); for Hopkins, *Poems and Prose* (Penguin).

DRAMA

Wilde, and selected plays by the major poets.

SHAKESPEARE

Richard III; *Richard II*; *Henry IV* (both parts); *Henry V* (these in any good complete edition, e.g. Alexander [Collins] or Sisson [Odhams], 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

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

TEXTBOOKS

- (a) Turner, G. W. *Stylistics*. Pelican.
 Empson, W. *Seven Types of Ambiguity*. Pelican.
 Watson, G. *The Literary Critics*. Pelican.
- (b) Cawley, A. C. ed. *Everyman and Medieval Miracle Plays*. Everyman.
 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.

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; Johnson and Boswell; together with selected plays by Congreve, Vanbrugh, Farquhar, Goldsmith and Sheridan.

REFERENCE BOOK

Sutherland, J. *A Preface to Eighteenth-Century Poetry*. O.U.P.

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 Gay, *The Beggar's Opera and Companion Pieces* ed. C. F. Burgess (Appleton-Century-Crofts); 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 units**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

- (a) the work set down for 50.512 English IIA;
 (b) An introduction to Old and Middle English Language and Literature;
 (c) Twentieth-century American Literature.

TEXTBOOKS

1. As for 50.512 English IIA.
2. 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.
3. The work on American literature will be based on the following:
Tate (*The Fathers*), Faulkner (*Absalom, Absalom; Light in August*), Bellow (*Herzog; Mr Sammler's Planet*), Styron (*The Confessions of Nat Turner*); Mailer (*The Armies of the Night*); William Carlos Williams, Wallace Stevens, Lowell; 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

- (a) 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 Deloney.
- (b) Old and Middle English literature.

TEXTBOOKS

Chaucer. *The Works of Geoffrey Chaucer*, ed. F. N. Robinson. 2nd ed. Houghton Mifflin.
Whitlock, D. ed. *Sweet's Anglo-Saxon Reader*. 15th ed. O.U.P.
Dunn, C. W. & Byrnes, E. T. eds. *Middle English Literature*. Harcourt Brace.

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.

(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

- (a) an advanced study of Old and Middle English literature;
- (b) an introduction to Linguistics.

TEXTBOOKS

(i) 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.
 Quirk, R. & Wrenn, C. L. *An Old English Grammar*. 2nd ed. Methuen's Old English Library.

(ii) 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.

(iii) Linguistics

- Dineen, Francis P. *An Introduction to General Linguistics*. Holt, Rinehart & Winston.
 Gimson, A. C. *An Introduction to the Pronunciation of English*. Edward Arnold.
 Crystal, David. *Linguistics*. Penguin.
 Greene, Judith. *Psycholinguistics*. Penguin.

FRENCH

Courses offered by the School are made up of studies in three areas:

1. The French language;
2. French literature and thought;
3. 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 stress 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 programmes 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.

Level I units

56.501 French IA—Introductory French

This course is designed 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. The course will also include an introduction to contemporary French civilization, and a graded reading programme which will lead up to

the study of one of the masterpieces of modern French literature, "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 strongly advised 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*. Livre de Poche universitaire.
 Ferrar, H. *A French Reference Grammar*. O.U.P., 1973.
 Moget, M. T. *De vive voix (Livre de l'élève)*. Didier, 1972.
 Moget, M. T. *De vive voix (Cahier d'orthographe)*. Didier, 1972.
 Pimsleur, P. *C'est la vie*. Harcourt, Brace & World, 1970.

56.511 Contemporary French Language, Literature and Civilization

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, 1972.
 Dubois, J. et al. *Dictionnaire du français contemporain*. Larousse, 1972.
 Ferrar, H. *A French Reference Grammar*. O.U.P., 1973.

PRINCIPAL REFERENCE BOOKS

Harrap's *Shorter French and English Dictionary*.
 Robert, P. *Le Petit Robert, Dictionnaire alphabétique et analogique de la langue française*. Société du Nouveau Littre.

B. Literature and Thought

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

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

TEXTBOOKS

For (i):

Beckett, S. *Fin de partie*. Editions de Minuit, 1957.
 Genet, J. *Les Bonnes*. L'Arbalète, 1958.
 Ionesco, E. *Théâtre I*. Gallimard, 1954.

For (ii):

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

For (iii):

No set text. The texts of the poems are provided by the School.

PRINCIPAL REFERENCE BOOKS

For (ii):

Bersani, J., Autrand, M., Lecarme, J. et Vercier, B. *La littérature en France depuis 1945*. Bordas.

Nadeau, M. *Le roman français depuis la guerre*. Gallimard—"Idées".

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 theme and artistic form. Discussion is in French.)

56.521 French Language

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.)

This course is designed 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. The course consists of integrated tutorials and language laboratory sessions devoted to practical language work, and also, through the texts studied and subjects discussed, introduces students to aspects of contemporary French civilization.

TEXTBOOKS

Capelle, J. & G. et al. *La France en direct (Niveau 3)*. Hachette, 1972.

Dubois, J. et al. *Dictionnaire du français contemporain*. Larousse, 1972.

Ferrar, H. *A French Reference Grammar*. O.U.P., 1973.

PRINCIPAL REFERENCE BOOKS

Harrap's Shorter French and English Dictionary.

Robert, P. *Le Petit Robert, Dictionnaire alphabétique et analogique de la langue française*. Société du Nouveau Littre.

Upper Level units

56.512 Pre-Twentieth Century France

Prerequisite: 56.511.

A. Core Language Course: Integrated grammatical, oral-aural and written work in contemporary French. The text used relates language study to the analysis and discussion in French of a series of short literary passages.

TEXTBOOKS

Capelle, J. & G. et al. *La France en direct (Niveau 4)*. Hachette, 1972.

Dubois, J. et al. *Dictionnaire du français contemporain*. Larousse, 1972.

Ferrar, H. *A French Reference Grammar*. O.U.P., 1973.

PRINCIPAL REFERENCE BOOKS

Strongly recommended for purchase if possible:

Harrap's Shorter French and English Dictionary.

or

Harrap's Standard English-French Dictionary. 2 vols.

Petit Larousse. Dictionnaire encyclopédique pour tous.

Robert, P. *Le Petit Robert, Dictionnaire alphabétique et analogique de la langue française.* Société du Nouveau Littre.

B. Electives in Language, Literature and Thought and Civilization and Society.

Session 1: Any *three* of the following for Upper Level students, and all *four* for Advanced Level students.

- (i) Classical French theatre: the comedies of Molière and the tragedies of Racine.
- (ii) Seventeenth century philosophical and religious thought: Descartes and Pascal.
- (iii) The relationship between certain key aspects of French social, political and economic life of the seventeenth, eighteenth and nineteenth centuries and the mentalities to which they gave rise, as reflected in the literary texts being studied. (This elective is strongly recommended for students who have not studied the history of the periods covered.)
- (iv) Language elective: Textual analysis.

TEXTBOOKS

For (i):

Molière, J. B. *Don Juan.* Nouveaux Classiques Larousse.

Molière, J. B. *Le Tartuffe.* Nouveaux Classiques Larousse.

Racine, J. *Théâtre complet.* Classiques Garnier.

For (ii):

Descartes, R. *Discours de la Méthode.* Gilson, E. ed. Librairie Vrin, Paris.

Pascal, B. *Pensées.* Lafuma, L. ed. Garnier-Flammarion.

For (iii) and (iv):

No set texts. Material is provided by the School.

PRINCIPAL REFERENCE BOOKS

For (ii):

Bénichou, P. *Morales du Grand Siècle.* Gallimard—"Idées".

For (iii):

Beloff, M. *The Age of Absolution, 1660-1815.* Hutchinson, 1958.

Cobban, A. *A History of Modern France.* 2 vols. 1715-1799 and 1799-1871. Penguin, 1957.

Crouzet, M. *Histoire générale des civilisations. Le XVII^e, le XVIII^e, et le XIX^e siècle.* P.U.F., 1953-1961.

Duby, G. & Mandrou, R. *Histoire de la civilisation française. Tome II, XVIII^e-XX^e siècle.* Armand Colin, 1958.

Evans, D. O. *Social Romanticism in France, 1830-1848.* Clarendon, 1952.

Lefebvre, G. *The Coming of the French Revolution.* Princeton U.P., 1954.

Lefebvre, G. *Etudes sur la Révolution française.* P.U.F., 1963.

Leroy, M. *Histoire des idées sociales en France. Tome II, De Babeuf à Tocqueville; Tome III, D'Auguste Comte à Proudhon.* Gallimard, 1954.

Martin, K. *French Liberal Thought in the Eighteenth Century.* Torch Book, Harper, N.Y., 1963.

Session 2: Any *three* of the following for Upper Level students, and *any three plus* (iv) for Advanced Level students.

- (i) The thought of the Enlightenment: Voltaire and Diderot.
- (ii) The literature of self-description in the pre-romantic period: Rousseau and Chateaubriand.

- (iii) The treatment of social issues in the nineteenth century novel: Balzac and Zola.
- (iv) Language; French composition.
- (v) The grand tradition in French music from Lulli to Berlioz: French music from the seventeenth century to the romantic period in its sociological context.

TEXTBOOKS

For (i):

Diderot, D. *Œuvres philosophiques*. Vernière, P. ed. Garnier.
 Voltaire, F.-M. de. *Lettres philosophiques*. Classiques Garnier.

For (ii):

Chateaubriand, F.-R. de. *René*. Letessier, E. ed. Garnier.
 Rousseau, J.-J. *Rêveries d'un promeneur solitaire*. Garnier-Flammarion.

For (iii):

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

For (iv):

Burton, A. *Writing French. A Guide to the Salient Idiom*. Blackwell, Oxford.

For (v):

*Robinson, M. F. *Opera before Mozart*. Hutchinson, 1966.

PRINCIPAL REFERENCE BOOKS

For (v):

Barzun, J. *Berlioz and his Century: an Introduction to the Age of Romanticism*. Meridian, 1956.

Bukofzer, M. F. *Music in the Baroque Era*. Dent, 1948.

Grout, D. J. *A History of Western Music*. Dent, 1962.

Grout, D. J. *A Short History of Opera*. Columbia, N.Y. & London, 1965.

Harman, A. & Mellers, W. *Man and his Music*. London, Barrie & Rockliff, 1962. (Parts 2 and 3, the relevant sections of this work, are available separately in paperback.)

Lang, P. H. *Music in Western Civilisation*. Dent, 1942.

56.152 French Political Theatre in the Twentieth Century

Prerequisite: At least four Level I Arts units.

Session 1: This unit is designed mainly 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 such a sequence 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.

The course deals with the theoretical problems (as set out by Sartre, Adamov and others) associated with discussing 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

* Paperback.

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.

Genet, J. *The Blacks*. Faber.

Genet, 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 Speculation by French Intellectuals

Prerequisite: Preferably a Level II Pass in French at the Higher School Certificate (or equivalent qualifications).

Session 2: This unit is designed mainly 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 permission.

Lectures and discussions are in English, though the texts studied are in French. Assistance with reading the texts is provided in tutorial groups.

- (i) Blueprints for alternatives to the political and social orders of western societies.
- (ii) A study of the role of utopias and popular festivals and "happenings" for past, present and future cultures.
- (iii) 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 (i):

Puiseux, L. *L'énergie et le désarroi post-industriel*. Coll. Futuribles.

For (ii):

Duvignaud, J. *Fêtes et civilisations*. P.U.F.

Lapouge, G. *Utopies et civilisations*. Weber.

For (iii):

Beauvoir, S. de. *La Femme rompue*. Gallimard.

Sartre, J.-P. *Huis clos*. Livre de Poche.

Vian, B. *L'Arrache-cœur*. Livre de Poche.

PRINCIPAL REFERENCE BOOKS

For (i):

Garaudy, R. *L'Alternative*. Laffont.Mendes-France, P. *Choisir*. Stock.

For (ii):

Duvignaud, J. *Le Langage perdu*. Weber.**56.103 Modern France A***Prerequisite: 56.512 or 56.532.**Session 1: A. Core Language Course*

(i) The comparative stylistics of English and French.

(ii) French syntax and common errors analysis.

(iii) Oral practice discussion groups on issues of contemporary interest.

TEXTBOOKS

For (i):

Daninos, P. *Le Major tricolore*. Livre de Poche.Vinay, J.-P. et Darbelnet, J. *Stylistique comparée du français et de l'anglais*.
Cahier d'exercices No. 1. Librairie Beauchemin.

PRINCIPAL REFERENCE BOOKS

For (i):

Vinay, J.-P. et Darbelnet, J. *Stylistique comparée du français et de l'anglais*.
Didier.

For (ii):

Chevalier, J.-C., Blanche-Beneviste, C., Arrivé, M. et Peytard, J. *Grammaire Larousse du français contemporain*. Larousse.Dubois, J. et al. *Dictionnaire du français contemporain*. Larousse.Dupré, F. *Encyclopédie du bon français*. Ed. de Trévise. Grevisse, M. *Le bon usage*. Duculot/Hatier.Thomas, A. V. *Dictionnaire des difficultés de la langue française*. Larousse.Tremblay, J.-P. *Grammaire comparative du français et de l'anglais à l'usage des anglophones*. Université Laval.Wagner, R. L. et Pinchou, J. *Grammaire du français classique et moderne*.
Larousse.*B. Electives in Language, and Literature and Thought*

(i) The poetry of Baudelaire.

(ii) The novels of Flaubert.

(iii) Time and self-discovery in Proust.

(iv) Language: French usage.

TEXTBOOKS

For (i):

Baudelaire, C. *Les Fleurs du Mal*. Classiques Garnier.

For (ii):

Flaubert, G. *Madame Bovary*. Classiques Garnier.

For (iii):

Proust, M. *Du côté de chez Swann*. Livre de Poche.Proust, M. *Le Temps retrouvé*. Livre de Poche.

For (iv):

Dayan, F. *La Phrase: Les Modalités de l'Expression*.

Manual for Language Laboratory Course for Advanced Students. Vols. I & II. Author, Univ. of Tasmania.

C. *Civilization and Society*

Some modern French social and political issues. Subjects covered include: the influence of the two World Wars on French thinking, the failure of the Third Republic to come to grips with technological developments, and the radical economic and social changes brought about under the Fourth and Fifth Republics. Reference is also made to the ways in which the tensions accompanying these changes are reflected in the literature of the period.

PRINCIPAL REFERENCE BOOKS

Bloch, M. *Strange Defeat*. Norton, N.Y., 1968.

Caute, D. *Communism and the French Intellectuals (1914-1960)*. André Deutsch.

Duverger, A. *La démocratie sans le peuple*. Ed. du Seuil, 1967.

Friedmann, G. *The Anatomy of Work*. Free Press, N.Y., 1961.

Goguel, F. *La Politique en France*. Armand Colin, 1964.

Harvey, D. J. *France since the Revolution*. Free Press, N.Y., 1968.

Hoffman, S. et al. *A la recherche de la France*. Ed. du Seuil, 1963.

Osgood, S. M. *The Fall of France, 1940*. Heath, Boston, 1965.

Sauvy, A. *La Montée des jeunes*. Calmann-Levy, 1959.

Weil, S. *La Condition ouvrière*. Gallimard, 1951.

Werth, A. *France, 1940-1955*. Hale, London, 1956.

56.104 Modern France B

Prerequisite: 56.103 or 56.153.

Session 1: A. Core Language Course

Continuation of 56.103.

TEXTBOOKS

As for 56.103.

PRINCIPAL REFERENCE BOOKS

As for 56.103.

B. *Electives in Language, Literature and Thought and Civilization and Society*. Any three of the following:

- (i) The existentialist novels of Sartre.
- (ii) Some twentieth century reactions to the problem of the "human condition": Malraux and Montherlant.
- (iii) Attitudes to religion in modern French literature: Gide and Bernanos.
- (iv) Language: French composition.
- (v) Blueprints for alternatives to the political and social orders of western societies. (Not available to students taking 56.162.)

TEXTBOOKS

For (i):

Sartre, J.-P. *Le sursis*. Gallimard Folio.

For (ii):

Malraux, A. *La Condition humaine*. Livre de Poche.

Montherlant, H. de. *La Reine morte*. Bordas.

For (iii):

Bernanos, G. *Journal d'un curé de campagne*. Livre de Poche.

Gide, A. *La Porte étroite*. Livre de Poche.

Gide, A. *Les Caves du Vatican*. Livre de Poche.

For (iv):

No set text.

For (v):

Puiseux, L. *L'Energie et le désarroi post-industriel*. Coll. Futuribles.

56.153 Renaissance France

Prerequisite: 56.512 or 56.532.

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

TEXTBOOKS

As for 56.103 (A).

PRINCIPAL REFERENCE BOOKS

As for 56.103 (A).

B. *Literature and Thought*

(i) The work of Rabelais in its social and intellectual context.

(ii) Renaissance humanism in the essays of Montaigne.

TEXTBOOKS

For (i):

Rabelais, F. *Gargantua*. Textes littéraires français.

Rabelais, F. *Le Tiers Livre*. Textes littéraires français.

For (ii):

Montaigne, M. de. *Essais*. 3 vols. Livre de Poche.

56.154 Classical France

Prerequisite: 56.103 or 56.153.

A. *Language*. As for 56.104 (if this course is not being taken concurrently).

TEXTBOOKS

As for 56.103 (A).

PRINCIPAL REFERENCE BOOKS

As for 56.103 (A).

B. *Literature and Thought*

(i) Seventeenth century moralists: the fables of La Fontaine and the maxims of La Rochefoucauld.

(ii) The theatre of Corneille.

TEXTBOOKS

For (i):

La Fontaine, J. de. *Fables*. Classiques Garnier.

La Rochefoucauld, F. de. *Réflexions ou Sentences et Maximes morales*. Classiques Garnier.

For (ii):

Corneille, P. *Théâtre choisi*. Classiques Garnier.

Advanced Level units**56.532 Pre-Twentieth Century France (Advanced)**

Prerequisite: A Credit Level Pass or better (or, at the discretion of the School, a good Pass) in 56.511.

Sessions 1 & 2: The course consists of 56.512, together with the following additional topics: Psychological and ethical problems in masterpieces of the French novel from the seventeenth to the nineteenth centuries; the relationship between the individual and society and between the two sexes; the search for a personal moral code.

TEXTBOOKS AND PRINCIPAL REFERENCE BOOKS

As for 56.512, together with:

TEXTBOOKS

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

Lafayette, Mme de. *La Princesse de Clèves*. Livre de Poche.

Stendhal. *La Chartreuse de Parme*. Classiques Garnier.

Stendhal. *Le Rouge et le Noir*. Classiques Garnier.

56.163 Modern France A (Advanced)

Prerequisite: A Credit Level Pass or better (or, at the discretion of the School, a good Pass) in 56.532; or, in exceptional circumstances, 56.512 with special permission of the School.

Session 1: The course consists of 56.103 with an additional seminar on the poetry of Verlaine.

TEXTBOOKS AND PRINCIPAL REFERENCE BOOKS

As for 56.103, together with:

TEXTBOOK

Verlaine, P. *Œuvres poétiques*. Classiques Garnier.

56.164 Modern France B (Advanced)

Prerequisite: 56.163.

Session 2: The course consists of 56.104 with an additional seminar on the poetry of Apollinaire.

TEXTBOOKS AND PRINCIPAL REFERENCE BOOKS

As for 56.104, together with:

TEXTBOOKS

Apollinaire, G. *Alcools*. Gallimard—"Poésie".

Apollinaire, G. *Calligrammes*. Gallimard—"Poésie".

56.173 Renaissance France (Advanced)

Prerequisite: A Credit Level Pass or better (or, at the discretion of the School, a good Pass) in 56.532; or, in exceptional circumstances, 56.512 with special permission of the School.

Session 1: The course consists of 56.153 with an additional seminar on modern linguistic theory and its relevance to an understanding of the French language.

TEXTBOOKS AND PRINCIPAL REFERENCE BOOKS

As for 56.153, together with:

TEXTBOOKS

Martinet, A. *Éléments de linguistique générale*. Coll. "U2"—Armand Colin.
 Perrot, J. *La linguistique*. P.U.F.—"Que sais-je?"

PRINCIPAL REFERENCE BOOKS

Benveniste, E. *Problèmes de linguistique générale*. Gallimard.
 Dubois, J. *Grammaire structurale du français: la phrase et les transformations*. Larousse.
 Lepeschy, G. *La linguistique structurale*. Payot.
 Mounin, G. *Les problèmes théoriques de la traduction*. Gallimard.
 Saussure, F. de. *Cours de linguistique générale*. Payot.

56.174 Classical French (Advanced)

Prerequisite: 56.173.

Session 2: The course consists of 56.154, with an additional seminar on modern linguistic theory, including an introduction to stylistics.

TEXTBOOKS AND PRINCIPAL REFERENCE BOOKS

As for 56.154, together with:

TEXTBOOKS

Dubois, J. *Grammaire structurale du français*. Larousse.
 Guiraud, P. *La stylistique*. P.U.F.

PRINCIPAL REFERENCE BOOKS

Bally, C. *Traité de stylistique française*. Klincksieck.
 Gross, M. *Grammaire transformationnelle du français: syntaxe du verbe*. Larousse.
 Jakobson, R. *Essais de linguistique générale*. Ed. de Minuit.
 Ruwet, N. *Introduction à la grammaire générative*. Plon.

Honours Level units**56.505 French Honours**

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.

Sessions 1 & 2: The course consists of the following seminars.

- (i) Advanced work in translation (both sessions).
- (ii) Eighteenth century philosophical controversies (one session).
- (iii) Contemporary thematic and psychoanalytical methods of criticism (one session).
- (iv) Formalist analysis in the "nouveau roman" (one session).
- (v) Aspects of psychological analysis in the French novel (two sessions).

In addition, a short thesis must be submitted. The thesis is to be written in French on an approved subject in one of the areas of study listed above.

TEXTBOOKS

For (i):

No set text. Passages are provided by the School.

For (ii):

Descartes, R. *Discours de la Méthode*. Ed. Gilson Vrin.Diderot, D. *Œuvres philosophiques*. Ed. Vernière, 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 (iii):

No set text. A reading list is supplied.

For (iv):

Sarraute, N. *Entre la Vie et la Mort*. Livre de Poche.Simon, C. *Les Corps conducteurs*. Ed. de Minuit.Genette, G. *Figures III*. Ed. du Seuil.Ricardou, J. *Problèmes du nouveau roman*. Ed. du Seuil.Todorov, T. *Littérature et signification*. Larousse.

For (v):

Balzac, H. de. *Le Curé de village*. Le Club du meilleur livre.Balzac, H. de. *Le Lys dans la vallée*. Editions Garnier.Butor, M. *La Modification*. Union générale d'éditions—10/18.Constant, B. *Adolphe*. Livre de Poche classique.Flaubert, G. *L'Education sentimentale*. Editions Garnier.

PRINCIPAL REFERENCE BOOKS

For (iv):

Benveniste, E. *Problèmes de linguistique générale*. Gallimard.Bersani, J. et al. *La littérature en France depuis 1945*. Bordas.Butor, M. *Essais sur le roman*. Gallimard—"Idées".Cranaki, M. et Belaval, Y. *Nathalie Sarraute*. Gallimard.Hough, G. *Style and Stylistics*. Routledge.Jakobson, R. *Essais de linguistique générale*. Ed de Minuit. *Nouveau Roman: hier, aujourd'hui*. Union générale d'éditions—10/18.Ricardou, J. *Le nouveau roman*. Ed. du Seuil.Robbe-Grillet, A. *Pour un nouveau roman*. Gallimard—"Idées".Sarraute, N. *L'ère du soupçon*. Gallimard—"Idées".

GEOGRAPHY

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 the 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.

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 Level units (normally including 27.880) *plus* two Honours Level units including 27.890. Where a student wishes to combine Upper and Advanced Level units from Groups B and C, both Upper Level units from Group A may be substituted for one Advanced Level unit.

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.

An introduction to the mechanism of the physical environment, with particular 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 course.

TEXTBOOKS

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

PRINCIPAL REFERENCE BOOKS

Bird, E. F. C. *Coasts*. A.N.U. Press.

Branagan, D. & Packham, G. *Field Geology of New South Wales*. Science Press.

Corbett, J. R. *The Living Soil*. Martindale.

Gentili, J. *Sun, Climate and Life*. Jacaranda.

Ecological Society of Australia. *The City as a Life System*. Collected papers.

Twidale, C. R. *Geomorphology*. Nelson.

Twidale, C. R. & Foale, M. R. *Landforms Illustrated*. Nelson.

27.802 Introduction to Human Geography

Prerequisite: None.

Problems of data, scale, distance, and economic development are the main themes. 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.

Toyne, P. & Newby, P. T. *Techniques in Human Geography*. Macmillan.

PRINCIPAL REFERENCE BOOKS

Abler, R., Adams, J. S. & Gould, P. *Spatial Organisation*. Prentice-Hall.

Cox, K. R. *Man, Location and Behavior: An Introduction to Human Geography*. Wiley.

Demko, G. J., Rose, H. M. & Schnell, G. A. *Population Geography: A Reader*. McGraw-Hill.

*Ehrlich, P. R. & A. H. *Population, Resources, Environment*. Freeman.

English, P. W. & Mayfield, R. C. *Man, Space, Environment*. O.U.P.

*Haggett, P. *Geography: A Modern Synthesis*. Harper International.

*Lloyd, P. E. & Dicken, P. *Location, in Space: A Theoretical Approach to Economic Geography*. Harper International.

Logan, M. I. & Missen, G. J. *New Viewpoints in Urban and Industrial Geography*. Reed Education.

McCarty, H. H. & Lindberg, J. B. *A Preface to Economic Geography*. Prentice-Hall.

*Morgan, W. B. & Munton, R. J. C. *Agricultural Geography*. Methuen.

Morrill, R. L. *The Spatial Organization of Society*. 2nd ed. Wadsworth.

Powell, J. M. ed. *Urban and Industrial Australia: Readings in Human Geography*. Sorrett.

Powell, J. M. ed. *The Making of Rural Australia: Environment, Society and Economy*. Sorrett.

* Paperback.

Upper Level units*

GROUP A

27.811 Physical Geography

Prerequisite: 27.801.

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 will involve 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.

PRINCIPAL REFERENCE BOOKS

Birot, P. *The Cycle of Erosion in Different Climates*. Batsford.

Corbett, J. R. *The Living Soil*. Martindale.

Gentili, J. *Australian Climate Patterns*. Nelson.

Mabbutt, J. A. et al. *Lands of the Port Moresby-Kairuku Area*. CSIRO.

Perry, R. A. et al. *Lands of the Alice Springs Area, Northern Territory, 1956-57*. CSIRO.

Perry, R. A. et al. *Lands of the Wabag-Tari Area, Territory of Papua/New Guinea*. CSIRO.

Richards, P. W. *Tropical Rainforest*. C.U.P.

Scott, R. et al. *Lands of Bougainville and Buka Islands, Territory of Papua and New Guinea*. CSIRO.

Slatyer, R. O. & Perry, R. A. eds. *Arid Lands of Australia*. A.N.U. Press.

Tricart, J. & Cailleux, A. *Introduction to Climatic Geomorphology*. Longman.

Walther, H. *Vegetation of the Earth*. E.U.P.

27.812 Human Geography

Prerequisite: 27.802.

The study of 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.

* See Note 1.

† Paperback.

PRINCIPAL REFERENCE BOOKS

- Berry, B. J. L. *The Human Consequences of Urbanisation*. Macmillan.
 Berry, B. J. L. & Horton, F. E. *Geographic Perspectives on Urban Systems*. Prentice-Hall.
 Breese, G. ed. *The City in Newly Developing Countries*. Prentice-Hall.
 Breese, G. *Urbanisation in Newly Developing Countries*. Prentice-Hall.
 Clarke, J. I. *Population Geography and the Developing Countries*. Pergamon.
 Haggett, P. I. & Chorley, R. eds. *Socio-economic Models in Geography*. Methuen.
 Johnston, R. J. *Urban Residential Patterns*. Bell.
 Johnston, R. J. *Spatial Structures*. Methuen.
 Logan, M. I. & Missen, G. J. *New Viewpoints in Urban and Industrial Geography*. Reed Education.
 Powell, J. M. ed. *Urban and Industrial Australia*. Sorrett.
 Rose, A. J. *Patterns of Cities*. Nelson.
 Yeates, M. & Garner, B. *The North American City*. Harper & Row.

GROUP B*

27.820 Location Analysis

Prerequisite: 27.812 or 15.072.

Classical and more recent adaptations of location theory. Spatial competition and patterns of location with emphasis on the spatial distribution of resources and markets and their effects on the location of the firm. Decision theory relevant to location. Consideration of external economies, city and regional structure, growth pole and growth centre concepts, and regional development policies.

TEXTBOOK

Richardson, H. W. *Regional Economics*. Weidenfeld & Nicolson.

PRINCIPAL REFERENCE BOOKS

- Alonso, W. *Location and Land Use*. Harvard U.P.
 Beckmann, M. *Location Theory*. Random House.
 Greenhut, M. *Plant Location in Theory and Practice*. N. Carolina U.P.
 Hoover, E. *Location of Economic Activity*. McGraw-Hill.
 Isard, W. *Location and Space Economy*. Wiley.
 Lloyd, P. E. & Dicken, P. *Location in Space: A Theoretical Approach to Economic Geography*. Harper & Row.
 Pred, A. *Behavior and Location*. Lund U.P.
 Smith, D. *Industrial Location*. Wiley.
 Smith, R. H. T., Taaffe, E. & King, L. J. eds. *Readings in Economic Geography*. Rand McNally.

27.821 Marketing Geography

Prerequisite: 27.812 or 15.072.

The study of 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.

* See Note 2.

TEXTBOOKS

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

*Scott, P. *Geography and Retailing*. Hutchinson.

PRINCIPAL REFERENCE BOOKS

Aaker, D. A. *Multivariate Analysis in Marketing*. Wadsworth.

Bucklin, L. P. *Shopping Patterns in an Urban Area*. Inst. of Business Economic Research, Univ. of California, Berkeley.

Clarkson, G. P. *The Theory of Consumer Demand*. Prentice-Hall.

Garner, B. J. *The Internal Structure of Retail Nucleations*. Studies in Geography, No. 12. Northwestern Univ.

*Jenkins, J. R. G. *Marketing and Consumer Behavior*. Pergamon.

Kollatt, D. T., Blackwell, R. D. & Engel, J. F. *Research in Consumer Behavior*. Holt, Rinehart & Winston.

*Mulvihill, D. F. & R. C. *Geography, Marketing and Urban Growth*. Van Nostrand Reinhold.

Myers, J. G. *Consumer Image and Attitude*. Inst. of Business and Economic Research, Univ. of California, Berkeley.

Revzan, D. *Wholesaling in Marketing Organisation*. Wiley.

*Ryan, J. K. et al. *New Dimensions in Retailing*. Wadsworth.

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.

PRINCIPAL REFERENCE BOOKS

Blunden, W. *The Land-use Transport System*. Pergamon.

Bunge, W. *Theoretical Geography*. Lund Studies in Geography.

Chorley, R. & Haggett, P. *Socio-Economic Models in Geography*. Methuen.

Haggett, P. *Locational Analysis in Human Geography*. Arnold.

Haggett, P. & Chorley, R. *Network Analysis*. Arnold.

Hay, A. *Transport for the Space Economy*. Macmillan.

Kansky, K. J. *Structure of Transportation Networks*. Dept. of Geography Res. Paper No. 84. Univ. of Chicago.

Mayer, J., Kain, J. F. & Wohl, N. *Urban Transportation Problems*. Harvard U.P.

Owen, W. *Strategy for Mobility*. Brookings.

Taafe, E. & Gauthier, H. *Geography of Transportation*. Prentice-Hall.

27.823 Urban Geography†*Prerequisite: 27.812.*

The city and the urban region as elements of the wider urban system. These elements are viewed from three distinct perspectives: static, connectivity of parts and dynamic process. Topics of particular relevance include temporal modes of explanation (historical development of cities), Asian cities, spatial interaction and diffusion processes within urban networks and spatial decision making in normative and behavioural contexts.

PRINCIPAL REFERENCE BOOKS

- Berry, B. J. L. ed. *City Classification Handbook: Methods and Applications*. Wiley.
 Bourne, L. S. *Internal Structure of the City: Readings on Space and Environment*. O.U.P.
 Brown, L. A. *Diffusion Dynamics*. C. W. K. Gleerup.
 Carter, H. *The Study of Urban Geography*. Arnold.
 Chapin, F. S. *Urban Land Use Planning*. Illinois U.P.
 Chapin, F. S. & Weiss, S. F. *Urban Dynamics*. Wiley.
 Chorley, R. J. & Haggett, P. *Models in Geography*. Methuen.
 English, P. W. & Mayfield, R. C. *Man, Space and Environment*. O.U.P.
 McConnell, H. & Yaseen, D. W. *Perspectives in Geography I: Models of Spatial Variation*. Northern Illinois U.P.
 Meier, R. L. A. *Communication Theory of Urban Growth*. Joint Center for Urban Studies of M.I.T. and Harvard.
 Morrill, R. L. *Migration and the Spread and Growth of Urban Settlement*. C. W. K. Gleerup.
 Nix, H. A. ed. *The City as a Life System*. Proc. of Ecological Society of Australia.
 Perloff, H. S. & Wingo, L. *Issues in Urban Economics*. Johns Hopkins U.P.
 Sweet, D. *Models of Urban Structure*. Aust. & New Zealand Book Co.
 Thompson, W. *Preface to Urban Economics*. Johns Hopkins U.P.

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.

TEXTBOOKS

- *Gregor, H. F. *Geography of Agriculture: Themes in Research*. Prentice-Hall.
 *Morgan, W. B. & Munton, R. J. C. *Agricultural Geography*. Methuen.

PRINCIPAL REFERENCE BOOKS

- *Anderson, R. *Crisis on the Land*. Sun Books.
 Brookfield, H. C. ed. *The Pacific in Transition*. Arnold.
 *Clout, H. D. *Rural Geography*. Pergamon.

† Not offered in 1975.

* Paperback.

Found, W. C. *A Theoretical Approach to Rural Land Use Patterns*. Arnold.
Green, R. J. *Country Planning*. Manchester U.P.

*Hodder, B. W. *Economic Development in the Tropics*. 2nd ed. Methuen.

*James, P. G. *Agricultural Policy in the Wealthy Countries*. A. & R.

Kostrowicki, J. *Agricultural Geography*. Longman.

Leagans, J. P. & Loomis, C. P. eds. *Behavioural Change in Agriculture: Concepts and Strategies for Influencing Transition*. Cornell U.P.

*Meinig, D. W. *On the Margins of the Good Earth*. Seal.

Rogers, E. M. & Shoemaker, F. F. *Communication of Innovations*. Free Press.

Tarrant, J. R. *Agricultural Geography*. David & Charles.

*Throsby, C. D. ed. *Agricultural Policy*. Penguin.

Weller, J. *Modern Agriculture and Rural Planning*. Architectural Press.

Williams, D. B. ed. *Agriculture in the Australian Economy*. Sydney U.P.

*Whitby, M. et al. *Rural Resource Development*. Methuen.

27.841 Population Geography†

Prerequisite: 27.812 or 53.204 or 15.763.

The study of 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*. O.U.P.

PRINCIPAL REFERENCE BOOKS

Borrie, W. D. *The Growth and Control of World Population*. Wiedenfeld & Nicolson.

Burnley, I. H. ed. *Urbanization in Australia, The Post-War Experience*. C.U.P.

Clarke, J. *Population Geography*. Pergamon.

Cox, P. R. *Demography*. C.U.P.

Pollard, A. H., Farhat Yusuf & Pollard, G. N. *Demographic Techniques*. Pergamon.

Price, C. A. *Southern Europeans in Australia*. O.U.P.

Trewartha, G. *The Less Developed Realm, a Geography of its Population*. Wiley.

* Paperback.

† Not offered in 1975.

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.

PRINCIPAL REFERENCE BOOKS

Burnley, I. H. ed. *Urbanization in Australia*. C.U.P.

†Cox, K. R. *Conflict, Power and Politics in the City: A Geographic View*. McGraw-Hill.

Davies, A. F. & Encel, S. eds. *Australian Society*. Cheshire.

†Frankenberg, R. *Communities in Britain*. Penguin.

†Franklin, S. H. *Rural Societies (in Contemporary Europe)*. Macmillan.

†Halpern, J. M. *The Changing Village Community*. Prentice-Hall.

†Harries, K. D. *The Geography of Crime and Justice*. McGraw-Hill.

Harvey, D. W. *Social Justice and the City*. Arnold.

Johnston, R. J. *Urban Residential Patterns*. Bell.

†Jones, G. E. *Rural Life*. Longman.

Lancaster-Jones, F. *Dimensions of Urban Social Structure*. A.N.U. Press.

McGee, T. G. *The South-East Asian City*. Bell.

Mendras, H. *The Vanishing Peasant: Tradition and Change in French Agriculture*. M.I.T.

Mitchell, C. ed. *Social Networks in Urban Situations*. Manchester U.P.

†Morrill, R. L. & Wohlenberg, E. H. *The Geography of Poverty in the U.S.A.* McGraw-Hill.

†Pahl, R. E. *Patterns of Urban Life*. Longman.

†Rapoport, A. ed. *Australia as a Human Setting*. A. & R.

†Rose, H. M. *The Black Ghetto*. McGraw-Hill.

†Rowley, C. D. *The Destruction of Aboriginal Society*. A.N.U. Press.

†Shannon, G. W. & Bahshur, R. *The Geography of Health-Care Delivery*. McGraw-Hill.

†Smith, D. M. *The Geography of Social Well-Being in the U.S.A.* McGraw-Hill.

Timms, D. W. *The Urban Mosaic*. C.U.P.

Wagner, P. & Mikesell, M. *Readings in Cultural Geography*. Prentice-Hall.

†Wagner, P. L. *Environments and Peoples*. Prentice-Hall.

Wheatley, P. *The Pivot of the Four Quarters*. Aldine.

Williams, W. M. Ashworthy. *The Sociology of a West Country Village: Family, Kinship and Land*. Routledge.

* Not offered in 1975.

† Paperback.

GROUP C***27.860 Landform Studies***Prerequisite: 27.811.*

This course aims 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

†Bird, E. F. C. *Coasts*. A.N.U. Press.

†Morisawa, M. *Streams, their Dynamics and Morphology*. McGraw-Hill.

Young, A. *Slopes*. Oliver & Boyd.

PRINCIPAL REFERENCE BOOKS

Chorley, R. J. & Kennedy, B. *Physical Geography: A Systems Approach*. Methuen.

Doornkamp, J. C. & King, C. A. M. *Numerical Analysis in Geomorphology*. Arnold.

Gregory, K. J. & Walling, D. E. *Drainage Basin Form and Process*. C.U.P.

King, C. A. M. *Beaches and Coasts*. Arnold

Leopold, L. B., Wolman, M. G. & Miller, J. P. *Fluvial Processes in Geomorphology*. Freeman.

Pitty, A. *Introduction to Geomorphology*. Methuen.

Schumm, S. A. ed. *River Morphology*. Dowden, Hutchinson & Ross.

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 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*. M.U.P.

* See Note 2.

† Paperback.

PRINCIPAL REFERENCE BOOKS

- Costin, A. B. & Frith, H. J. *Conservation*. Penguin.
 Department of National Development. *Atlas of Australian Resources*. Dept. of Natl. Dev., Canberra.
 Moore, R. M. ed. *Australian Grasslands*, A.N.U. Press.
 Sinden, J. A. ed. *The Natural Resources of Australia*. A. & R.
 Slatyer, R. O. & Perry, R. A. *Arid Lands of Australia*. A.N.U. Press.
 Williams, D. B. ed. *Agriculture in the Australian Economy*. Sydney U.P.

Advanced Level units***GROUP A****27.880 Geographic Statistics**

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.

A course in 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.

PRINCIPAL REFERENCE BOOKS

- Aigner, D. J. *Basic Econometrics*. Prentice-Hall.
 Doornkamp, J. C. & King, C. A. M. *Numerical Analysis in Geomorphology*. Arnold.
 Krumbein, W. C. & Graybill, F. A. *An Introduction to Statistical Models in Geology*. McGraw-Hill.
 Kerlinger, R. *Foundations of Social Research*. Holt, Rinehart & Winston.
 †Nie, N. H. et al. *Statistical Package for the Social Sciences*, 2nd ed. McGraw-Hill.
 Read, R. C. *A Mathematical Background for Economists and Social Scientists*. Prentice-Hall.
 Siegel, S. *Nonparametric Statistics for the Behavioral Sciences*. McGraw-Hill.
 Sterling, T. D. & Pollack, S. V. *Introduction to Statistical Data Processing*. Prentice-Hall.
 Veldman, D. J. *Fortran Programming for the Behavioral Sciences*. McGraw-Hill.

* See Notes 1, 2, 3 and 4.

† Recommended to buy.

GROUP B***27.830 Location Analysis (Advanced)**

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

As for 27.820 Location Analysis, 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.

PRINCIPAL REFERENCE BOOK

As for 27.821, *plus:*

Green, P. E. & Rao, V. R. *Applied Multidimensional Scaling*. Holt, Rinehart & Winston.

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.

PRINCIPAL REFERENCE BOOKS

As for 27.840, *plus:*

Heathcote, R. L. *Back of Bourke*. Melbourne U.P.

Makeham, J. P. & Bird, J. G. eds. *Problems of Change in Australian Agriculture*. Univ. New England Extension Centre.

* See Note 2.

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.

PRINCIPAL REFERENCE BOOKS

As for 27.841, *plus:*

Shryock, H. & Siegel, J. *The Methods and Materials of Demography*. U.S. Dept. of Commerce.

United Nations. *Manual on Internal Migration*. Manual 6, 1970.

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.

This course provides advanced work in selected areas of coastal and fluvial geomorphology. The characteristics of waves in deep and shallow water. Beaches and coastal barrier systems; lagoons and estuaries. Rock platforms. Quaternary sea-level changes. Drainage basin morphometry; hillslope geometry and hydrology. Runoff and sediment yields and their controlling factors. Variations in geomorphic processes between regions; the impact of human activity. Field projects are undertaken in both coastal and fluvial components. Laboratory time is devoted to statistical exercises using data collected from maps, airphotos and in the field.

PRINCIPAL REFERENCE BOOKS

As for 27.860, *plus:*

Carson, M. A. & Kirkby, M. J. *Hillslope Form and Process*. C.U.P.

Chorley, R. J. ed. *Spatial Analysis in Geomorphology*. Methuen.

Chorley, R. J. ed. *Water, Earth and Man*. Methuen.

Gregory, K. J. & Walling, D. E. *Drainage Basin Form and Process*. Arnold.

Young, A. *Slopes*. Oliver & Boyd.

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: (a) environmental bases for reserving land resources for forestry, water supply and wildlife protection; and (b) conflicting demands in regional resource development.

* See Note 2.

PRINCIPAL REFERENCE BOOKS

As for 27.862, plus:

- Australian Academy of Science. *Water Resources Use and Management*. Melbourne U.P.
 Davidson, B. R. *The Northern Myth*. Melbourne U.P.
 Davidson, B. R. *Australia Wet or Dry?* Melbourne U.P.
 Frith, H. J. *Wildlife Conservation*. A. & R.
 Watt, K. *Principles of Environmental Science*. McGraw-Hill.

Honours Level units**27.890 Thesis and Associated Seminars**

Prerequisites: Graded passes in 3 Advanced Level units in Geography.

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.

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.

TEXTBOOK

Richardson, H. W. *Regional Economics*. Wiedenfeld & Nicolson.

PRINCIPAL REFERENCE BOOKS

- Friedmann, J. *Regional Development Policy*. M.I.T. Press.
 Friedmann, J. & Alonso, W. *Regional Development and Planning*. M.I.T. Press.
 Goodall, B. *The Economics of Urban Areas*. Pergamon.
 Hoover, E. *An Introduction to Regional Economics*. Knopf.
 Isard, W. *Methods of Regional Analysis*. M.I.T. Press.
 Perloff, H. S. et al. *Regions, Resources and Economic Growth*. Johns Hopkins U.P.
 Siebert, H. *Regional Economic Growth: Theory and Policy*. International Textbook Co.
 Smith, R. H. T., Taaffe, E. & King, L. *Readings in Economic Geography*. Rand McNally.
 Thompson, W. *A Preface to Urban Economics*. Johns Hopkins U.P.

27.892 Honours Human Geography

Prerequisites: Graded passes in 3 Advanced Level units in Geography.

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.

PRINCIPAL REFERENCE BOOKS

- Buttimer, A. *Society and Milieu in the French Geographic Tradition*. Rand McNally.
 Cohen, A. *Urban Ethnicity*. A.S.A. Monographs, Tavistock.
 Ehrlich, P. *Population Resources and Environment*. Freeman.
 English, P. W. & Mayfield, R. C. *Man, Space and Environment*. Readings in Contemporary Human Geography, O.U.P.
 Hawley, A. *Human Ecology*. Reinhardt.
 Leighley, J. ed. *Land and Life: Selected Writings of C. O. Sauer*. California U.P.
 Robson, B. T. *Urban Growth: An Approach*. Methuen.
 Sprout, H. M. & Sprout, M. *The Ecological Perspective on Human Affairs*. Princeton U.P.
 Tuan, Yi Fu. *Topophilia*. Prentice-Hall.
 Wheatley, P. *Pivot of the Four Quarters*. Aldine.
 Wright, J. K. *Human Nature in Geography*. Harvard U.P.

27.893 Honours Physical Geography

Prerequisites: Graded passes in 3 Advanced Level units in Geography.

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

GEOSCIENCE

25.111 Geoscience I

Prerequisite: H.S.C. Science 2s or better.

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. Descriptive mineralogy; mineral classification. Principal rock forming minerals. Basic structures of silicate minerals.

Petrology

Igneous, sedimentary and metamorphic rocks—their field occurrence, lithological characteristics and structural relationships. Introduction to coal, oil and ore deposits.

Stratigraphy and Palaeontology

The basic principles of stratigraphy; introductory palaeontology. The geological time scale. An outline of the geological history of the Australian continent with more specific reference to New South Wales.

Practical Work

The preparation and interpretation of geological maps and sections. Map reading and use of simple geological instruments. The study of simple crystal forms and symmetry. Applied stereoscopic projection. Identification and description of common minerals and rocks in hand specimen. The recognition and description of examples of important fossil groups.

The course is supplemented by three field tutorials, attendance at which is compulsory.

TEXTBOOKS

- Bickford, M. E. et al. *Geology Today*. CRM Books, California, 1973.
Black, R. W. *Elements of Palaeontology*. C.U.P., 1970.
Rutley, F. *Rutley's Elements of Mineralogy*. Read, H. H. ed. Murby, London.
Tyrrell, G. W. *The Principles of Petrology*. Methuen.

PRINCIPAL REFERENCE BOOKS

- Bryan, J. H., McElroy, C. T. & Rose, G. *Explanatory Notes to Accompany the Sydney 4-Mile Geological Map* (with map). 3rd ed. Bureau of Mineral Resources, Canberra, 1966.
Holmes, A. *Principles of Physical Geology*. N.A.P.
or
Longwell, C. R. & Flint, R. F. *Introduction to Physical Geology*. Wiley.
Kostov, I. *Mineralogy*. Oliver & Boyd, 1968.
Packham, G. H. ed. *The Geology of New South Wales. Vol. 16, Part 1, J. Geol. Soc. Aust.* Mercury Press, 1969.

25.151 Geoscience IA

Prerequisite: H.S.C. Science 2s or better.

This course is provided 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 epeirogenesis. Outlines of plate tectonic theory, in relation to continental drift and oceanography.

Crystallography and Mineralogy

Introduction to 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. 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. 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, California, 1973.

Rutley, F. *Rutley's Elements of Mineralogy*. Read, H. H. ed. Murby, London.

Tyrrrell, G. W. *The Principles of Petrology*. Methuen.

25.112A Geoscience IIA

Prerequisite: 25.111.

Mineralogy

Principles of optical crystallography; the construction and use of a polarizing microscope. Polymorphism; the crystal chemistry, crystallography and geological occurrence of the main groups of rock-forming minerals. Description and recognition of common ore and rock-forming minerals in both hand specimen and thin section.

TEXTBOOKS

- Bloss, F. D. *An Introduction to the Methods of Optical Crystallography*. Holt, Rinehart & Winston, 1961.
Heinrich, E. W. *Microscopic Identification of Minerals*. McGraw-Hill, 1965.

PRINCIPAL REFERENCE BOOKS

- Fyfe, W. S. *Geochemistry of Solids*. McGraw-Hill, 1964.
Hurlbut, C. S. ed. *Dana's Manual of Mineralogy*. Wiley.
Kostov, I. *Mineralogy*. Oliver & Boyd, 1968.
Wahlstrom, E. E. *Optical Crystallography*. 4th ed. Wiley, 1969.

*Petrology (Igneous, Metamorphic and Sedimentary)**Igneous Petrology*

Occurrence, genesis and classification of the commoner igneous rocks. Crystallization of magma. Binary systems. The reaction series. Introduction to micropetrography.

Metamorphic Petrology

Principles, concepts and theories relating to the occurrence, origin and classification of metamorphic rocks. ACF and AKF diagrams. Metamorphic facies. *Practical*: megascopic and microscopic examination of selected metamorphic rocks. *Field Work*: at least one field trip to illustrate the above course.

Sedimentary Petrology

The influence of transportation, deposition and diagenesis on the composition, texture and structure of the sedimentary rocks. The classification of detrital sediments. The non-elastic sediments.

TEXTBOOKS

- Williams, H., Turner, F. J., & Gibert, C. M. *Petrography*. Freeman, 1954.
Winkler, H. G. F., *Petrogenesis of Metamorphic Rocks*. 2nd ed. Springer, 1967.

PRINCIPAL REFERENCE BOOKS

- Bayly, B. *Introduction to Petrology*. Prentice-Hall, 1968.
Turner, F. J. *Metamorphic Petrology*. McGraw-Hill, 1968.

Structural Geology

Description of structures, mesoscopic-macroscopic, fractures, joints, faults, folds and their structural elements; foliation, lineation. Introduction to tectonics and plate tectonics. Practical stereographic projection; analysis of fractures, faults, folds and their structural elements; foliation, lineation, strain analysis and rotation problems. *Field Work*: at least one compulsory field trip to illustrate the above course.

TEXTBOOKS

- Ragan, D. M. *Structural Geology: An Introduction to Geometrical Techniques*. 2nd ed. Wiley, 1972.
Spencer, E. W. *Introduction to the Structure of the Earth*. McGraw-Hill, 1969.

PRINCIPAL REFERENCE BOOKS

- Billings, M. *Structural Geology*. Prentice-Hall, 1954.
Hills, E. S. *Elements of Structural Geology*. Wiley, 1963.
Whitten, E. H. T. *Structural Geology of Folded Rocks*. Wiley, 1966.

25.112B Geoscience IIB

Prerequisite: 25.111.

Palaeontology

Morphology and systematics of major fossil invertebrate phyla (Part I) and their stratigraphic distribution. *Practical:* examination of representative fossils from each phylum.

TEXTBOOK

Moore, R. C., Lalicker, C. G. & Fischer, A. G. *Invertebrate Fossils*. McGraw-Hill, 1952.

PRINCIPAL REFERENCE BOOKS

Beerbower, J. R. *Search for the Past*. Prentice-Hall, 1969.

Easton, W. H. *Invertebrate Palaeontology*. Harper, 1960.

Shrock, R. R. & Twenhofel, W. H. *Principles of Invertebrate Palaeontology*. McGraw-Hill.

Sedimentary Environments

Environments of deposition and sedimentary processes. Classification of sedimentary rocks.

Stratigraphy

Stratigraphic principles. Geosynclines and their evolution. Stratigraphy of selected provinces of Eastern Australia.

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, 1968.

Dunbar, C. O. & Rodgers, J. *Principles of Stratigraphy*. Wiley, 1957.

PRINCIPAL REFERENCE BOOK

Pettijohn, S. J. *Sedimentary Rocks*. 2nd ed. Harper.

GERMAN

Possible sequences in the School of German (M = major sequence).

ARTS STUDENTS

<i>Level I</i>		<i>Upper Level</i>
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 IIIA
		German IIIA/B (M)
		German IIIA/B/C (M)
	German IIC/D	German IIIA/B/C/D (M)
		German IIIA (M)
		German IIIA/B (M)
		German IIIA/B/C (M)
	German IIC/D/E	

The following special sequences are available only to native German speakers:

German IB/C	German IID German IID/E	German IIIB
		German IIIB
		German IIIB/C (M)
		German IIIB/C/D (M)

ADDITIONAL SEQUENCE AVAILABLE TO STUDENTS FROM OTHER FACULTIES

German IA	German IIA
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All units offered by the School of German (with the exception of 64.501 German IA, which is a double unit) are twenty-eight week units.

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 programme during the long vacation prior to enrolment.

TEXTBOOKS

- Lohnes, W. & Strothmann, F. W. *German: A Structural Approach*. 2nd ed. Norton, 1973.
 Lohnes, W. & Strothmann, F. W. *Study Guide for German: A Structural Approach*. 2nd ed. Norton.
 Pasley, J. M. S. ed. *Germany. A Companion to German Studies*. Methuen.
 Rado, M. *Begegnungen von A bis Z*. Heinemann.
 Russon, L. J. *Complete German Course for First Examinations*. Longman.

For students proceeding to 64.502 German IIA:
 Dürrenmatt, F. *Die Panne*. O.U.P.
 Frisch, M. *Biedermann und die Brandstifter*. 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.

TEXTBOOK

Duval, F. A. & L. M. *Wiederholung und Fortsetzung*. Harper & Row.

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, mainly from the twentieth century.

TEXTBOOKS

Arnim, A.v. *Der tolle Invalide auf dem Fort Ratonneau*. Reclam.

Eichendorff, J.v. *Das Marmorbild*. Reclam.

Hoffmann, E. T. A. *Der Sandmann*. Reclam.

Kafka, F. *Sämtliche Erzählungen*. Fischer.

Mann, T. *Tod in Venedig*. Fischer Bücherei.

Mann, T. *Tonio Kröger*. Fischer Bücherei.

Schnitzler, A. *Anatol/Der Grüne Kakadu*. Reclam.

Schnitzler, A. *Casanovas Heimkehr*. Fischer.

The Penguin Book of German Verse.

Tieck, L. *Des Lebens Überfluß*. Reclam.

PRINCIPAL REFERENCE BOOKS

The following books will be useful to students at all stages of their course and it is strongly recommended that they should purchase them for their own use:

Cassell's German/English, English/German Dictionary.

Duden. *Stilwörterbuch*. Bibliographisches Institut.

Farrell, R. B. *A Dictionary of German Synonyms*. C.U.P.

Frenzel, H. A. & E. *Daten deutscher Dichtung*. Vols. 1 & 2. dtv.

Pasley, J. M. S. *Germany. A Companion to German Studies*. Methuen.

Pfeffer, J. A. *Basic (Spoken) German Dictionary for Everyday Usage*. Prentice-Hall.

Russon, L. J. *Complete German Course for First Examinations*. Longman.

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.

PRINCIPAL REFERENCE BOOKS

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, mainly from the twentieth century.

TEXTBOOKS

As for 64.521.

PRINCIPAL REFERENCE BOOKS

As for 64.521.

64.532 German IIC

Pre-requisite: 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 1975

- A. *Composition and Vocabulary Building* (1 hour per week) (Volker Raddatz).
- B. *German Political History 1871-1945* (1 hour per week) (Volker Raddatz).

TEXTBOOKS

Binder, G. *Das Kaiserreich/Die Weimarer Republik*. Goldmann.
 Binder, G. *Deutschland unter dem Nationalsozialismus*. Goldmann.
 Hubatsch, W. *Deutschland im Weltkrieg 1914-18*. Ullstein.

- C. *Middle High German* (1 hour per week) (Harry Simmons).

TEXTBOOKS

Asher, J. A. *A Short Descriptive Grammar of Middle High German*. OUP.
 Gottfried von Strassburg. *Tristan und Isolde in Auswahl*. de Gruyter.
 Gottfried von Strassburg. *"Tristan"*. Transl. Hatto, A. T. Penguin.

- D. *Introduction to Linguistics* (1 hour per week) (Harry Simmons).
TEXTBOOK
Robins, R. H. *General Linguistics*. Longman.
- E. *Contrastive English-German Grammar* (1 hour per week) (Harry Simmons).
TEXTBOOK
Kufner, H. L. *The Grammatical Structures of English and German*. Chicago U.P.
- F. *Text Analysis* (1 hour per week) (John Milfull).
- G. *History of German Literature* (1 hour per week) (Gero von Wilpert).
SESSION 1
Vom Mittelalter zur Aufklärung
TEXTBOOKS
Elschenbroich, A. ed. *Deutsche Dichtung im 18. Jahrhundert*. Hanser.
The Penguin Book of German Verse.
SESSION 2
Das 19. Jahrhundert.
TEXTBOOK
Keller, G. *Der grüne Heinrich*. Goldmann.
- H. *Staff-Student Seminar* (1 hour per week).
(Compulsory for Advanced Level students wishing to specialize in Literature.)
SESSION 1
Literary Methods
TEXTBOOKS
Conrady, K. O. *Einführung in die neuere deutsche Literaturwissenschaft*. Rowohlt.
Hermant, J. *Synthetisches Interpretieren*. Nymphenburger.
Lämmert, E. *Bauformen des Erzählens*. Metzler.
Wellek, R. & Warren, A. *Theory of Literature*. Penguin.
SESSION 2
Hofmannsthal
TEXTBOOKS
Hofmannsthal, H.v. *Ausgewählte Werke*. 2 vols. Fischer.
- I. *Literature Seminars* (2 hours per week).
Ist seven weeks
1. *Das bürgerliche Trauerspiel* (Gero von Wilpert)

TEXTBOOKS

Büchner, G. *Woyzek*. Reclam.

Hebbel, F. *Maria Magdalena*. Reclam.

Lessing, G. E. *Miss Sara Sampson*. Reclam.

Schiller, F. *Kabale und Liebe*. Reclam.

2. *German Baroque Literature* (Olaf Reinhardt)

TEXTBOOKS

Killy, W. ed. *Deutsches Lesebuch 1/1*. Fischer.

Grimmelshausen, H. J. C. v. *Der abenteuerliche Simplicissimus*. Reclam.

Opitz, M. *Buch von der deutschen Poeterey*. Reclam.

Wagenknecht, C. ed. *Epochen der deutschen Lyrik*, vol. IV (1600-1700). dtv.

3. *DDR Drama since Brecht* (John Milfull)

TEXTBOOKS

Hacks, P. *Ausgewählte Dramen*. Aufbau.

Müller, H. *Geschichten aus der Produktion*. Rotbuch.

Müller, H. *Philoktet/Herakles*. edition suhrkamp.

2nd seven weeks

4. *Lessing* (Olaf Reinhardt)

TEXTBOOKS

Lessing, G. E. *Insel-Lessing. Studienausgabe*, 3 vols. Insel.

5. *Wieland* (Margaret Rose)

TEXTBOOK

Wieland, C. M. *Die Abderiten*. Goldmann.

Wieland, C. M. *Die Abenteuer des Don Sylvio von Rosalva*. Goldmann.

Wieland, C. M. *Geschichte des Agathon*. Goldmann.

6. *Kleist's Plays* (John Milfull)

TEXTBOOK

Kleist, H. v. *Werke*. Volksausgabe in einem Band. Hanser.

3rd seven weeks

7. *Die Lyrik Heines und seiner Zeitgenossen* (Margaret Rose)

TEXTBOOKS

Freiligrath, F. *Gedichte*. Reclam.

Heine, H. *Gedichte*. Reclam.

Herrmann, J. ed. *Das junge Deutschland*. Reclam.

Herrmann, J. *Der deutsche Vormärz*. Reclam.

Immermann, K. L. *Tulifantchen*. Reclam.

Lenau, N. *Gedichte*. Reclam.

8. *Die deutsche Novelle im 19. Jahrhundert* (Gero von Wilpert)

TEXTBOOKS

- Droste-Hülshoff, A. v. *Die Judenbuche*. Reclam.
 Grillparzer, F. *Der arme Spielmann*. Reclam.
 Keller, G. *Romeo und Julia auf dem Dorfe*. Reclam.
 Meyer, C. F. *Der Heilige*. Reclam.
 Mörike, E. *Mozart auf der Reise nach Prag*. Reclam.
 Storm, T. *Der Schimmelreiter*. Reclam.

9. *Conrad Ferdinand Meyer* (Olaf Reinhardt)

TEXTBOOKS

- Meyer, C. F. *Die Hochzeit des Mönchs und andere Novellen*.
 Goldmann.
 Meyer, C. F. *Die Versuchung des Pescara und andere Novellen*.
 Goldmann.
 Meyer, C. F. *Gedichte*. Reclam.
 Meyer, C. F. *Gustav Adolfs Page und andere Novellen*. Goldmann.

4th seven weeks

10. *Deutsche Lyrik seit 1945* (Judith Ryan)

TEXTBOOKS

- Bingel, H. ed. *Deutsche Lyrik—Gedichte seit 1945*. dtv.
 Piontek, H. ed. *Deutsche Gedichte seit 1960*. Reclam.

11. *Das deutsche Drama nach 1945* (Gero von Wilpert)

TEXTBOOKS

- Borchert, W. *Draußen vor der Tür*. Rowohlt.
 Dürrenmatt, F. *Die Physiker*. Arche.
 Frisch, M. *Andorra*. Suhrkamp.
 Hochhuth, R. *Der Stellvertreter*. Rowohlt.
 Zuckmayer, C. *Des Teufels General*. Fischer.

12. *Peter Handke* (Margaret Rose)

TEXTBOOKS

- Handke, P. *Der Hausierer*. Fischer.
 Handke, P. *Die Angst des Tormanns beim Elfmeter*. Suhrkamp.
 Handke, P. *Stücke I-III*. Suhrkamp.

J. *Advanced Level Literature Seminar* (1 hour per week)

(Compulsory for students attempting 64.552 German IID
 (Advanced Level) or 64.543 German IIC (Advanced Level))

SESSION 1

Goethe (John Milfull)

TEXTBOOKS

- Goethe, J. W. v. *Wilhelm Meisters Lehrjahre*. dtv.
 Goethe, J. W. v. *Die Wahlverwandtschaften*. dtv.
 Goethe, J. W. v. *Novelle/Das Märchen*. Reclam.

*SESSION 2**Rilke (Judith Ryan)*

TEXTBOOK

Rilke, R. M. Werke in drei Bänden. Insel.

K. *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.

64.553 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.

64.600 German Literature and Society in the Twentieth Century

Prerequisite: Approval to enrol in this unit should be obtained from the School of German.

This Upper Level unit, consisting of one two-hour seminar-discussion weekly, is designed for students with no knowledge of German who wish to study some of the most significant works of twentieth century 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

Mann, T. *Death in Venice and other Stories*. Penguin.

Mann, T. *Dr. Faustus*. Penguin.

Kafka, F. *The Trial*. Penguin.

Kafka, F. *The Castle*. Penguin.

Hesse, H. *Journey to the East*. Panther.

Hesse, H. *The Glass Bead Game*. Penguin.

Brecht, B. *The Measures Taken*. Methuen.

Brecht, B. *Mother Courage*. Methuen.

Brecht, B. *The Good Woman of Sezuán*. Methuen.

Brecht, B. *Life of Galileo*. Methuen.

Dürrenmatt, F. *The Physicists*. French.

Dürrenmatt, F. *The Visit*. Cape.

Frisch, M. *The Fire-Raisers*. Methuen.

Frisch, M. *Andorra*. Methuen.

Grass, G. *The Tin Drum*. Penguin.

Weiss, P. *Marat/Sade*. Calder & Boyars.

HISTORY

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

An introduction to 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 will include classical philosophy, popular religion, social organization, the state and political philosophy, aesthetics and cultural encounter.

Consists of two equal parts: (a) The Hindu and Islamic traditions, and (b) The Confucian and Buddhist traditions.

TEXTBOOKS

SESSION 1

- *Basham, A. L. *The Wonder that was India*. Fontana, 1959.
- *Conze, E. *Buddhism: Its Essence and Development*. Harper, 1959.
- *de Bary, W. T. et al. *Sources of Indian Tradition*. Vol. 1. Columbia U.P., 1960.
- *de Bary, W. T. ed. *The Buddhist Tradition in India, China and Japan*. Vintage, 1972.
- Lannoy, R. *The Speaking Tree: A Study of Indian Culture and Society*. O.U.P., 1971.

SESSION 2

- *Bodde, D. *China's Cultural Tradition: What and Whither?* Holt, Rinehart, 1959.
- *de Bary, W. T. et al. eds. *Sources of Chinese Tradition*. Vol. 1. Columbia U.P., 1960.
- *Gibb, H. A. R. *Mohammedanism*. 2nd ed. O.U.P., 1956.
- *Levy, R. *The Social Structure of Islam*. 2nd ed. C.U.P., 1962.
- *Meskill, J. T. ed. *An Introduction to Chinese Civilization*. Heath, 1973.

PRINCIPAL REFERENCE BOOKS

- Ahmad, A. *Studies in Islamic Culture*. Clarendon, 1964.
- *Arberry, A. J. *Aspects of Islamic Civilization: The Moslem World Depicted through its Literature*. Univ. of Michigan, 1967.
- *Creel, H. G. *Chinese Thought*. Methuen, 1962.
- Creel, H. G. *Confucius: The Man and the Myth*. Routledge, 1951.
- *Day, C. B. *The Philosophers of China: Classical and Contemporary*. Citadel, 1962.
- *Dumont, L. *Homo Hierarchicus: The Caste System and Its Implications*. Sainsbury, M. trans. Weidenfeld & Nicolson, 1970.
- *Koran. Arberry, A. J. interp. & trans. Macmillan, Toronto, 1969.
- Nash, M. et al. *Anthropological Studies in Theravada Buddhism*. Yale U.P., 1966.
- *Reischauer, E. O. & Fairbank, J. K. *East Asia: The Great Tradition*. Allen & Unwin, 1961.
- Rosenthal, E. I. J. *Islam in the Modern National State*. C.U.P., 1965.
- Sarkisyanz, F. *Buddhist Background of the Burmese Revolution*. Martinus Nijhoff, The Hague, 1965.
- Shanin, T. ed. *Peasants and Peasant Societies*. Penguin, 1971.
- Smith, D. E. ed. *Religion and Politics in Burma*. Princeton U.P., New Jersey, 1965.
- Spiro, M. E. *Buddhism and Society: A Great Tradition and Its Burmese Vicissitudes*. Allen & Unwin, 1971.
- Srinivas, M. N. *Caste in Modern India and Other Essays*. Asia, London, 1962.
- Tambiah, S. J. *Buddhism and the Spirit Cults in North-East Thailand*. C.U.P., 1970.
- Watt, W. M. *What is Islam?* Longman, 1968.
- *Weber, M. *The Religion of India: The Sociology of Hinduism and Buddhism*. Gerth, H. H. & Martindale, D. trans. Collier-Macmillan, 1958.
- Wittfogel, K. A. *Oriental Despotism: A Comparative Study of Total Power*. Yale U.P., 1957.
- Wright, A. F. *Buddhism in Chinese History*. Stanford U.P., 1959.
- *Welch, H. *The Parting of the Way: Lao Tzu and the Taoist Movement*. Methuen, 1957.

51.511 History IB—Europe Since 1500

An introduction to the main formative influences that have shaped the culture, society and international interests of modern Europe, surveying developments from the Reformation to the Second World War.

Part 1: The Moulding of Europe. A study of major influences in the shaping of European states and society, within the following framework: (a) the medieval heritage; (b) the Reformation; (c) the context of the French Revolution; (d) modern ideologies.

Part 2: Europe and Twentieth Century International Issues. A study of selected twentieth century issues of importance to Europe, within the following framework: (a) foreign interests and policies of European states; (b) Europe and the Near and Middle East; (c) the Russian and Chinese Revolutions; (d) war and society in the twentieth century.

TEXTBOOKS

- *Adams, W. E. et al. eds. *The Western World*. Vol. 2. Dodd, Mead & Co., 1968.
- *Beloff, M. *The Age of Absolutism, 1660-1815*. Hutchinson, 1966.
- *Carr, E. H. *What is History?* Pelican, 1964.
- *Chadwick, O. *The Reformation*. Pelican History of the Church. Vol. 3. London, 1968.
- Clark, G. N. *Early Modern Europe, 1450-1730*. O.U.P., 1966.
- *Craig, G. *Europe Since 1815*. 2 vols. Holt, Rinehart & Winston, 1966.
- *Koenigsberger, H. G. & Mosse, G. L. *Europe in the Sixteenth Century*. Longman, 1968.
- *Rudé, G. *Revolutionary Europe 1783-1815*. Fontana, 1964.
- *Thomson, D. *Europe Since Napoleon*. Pelican, 1966.
- *Williams, E. N. *The Ancien Régime in Europe*. Pelican, 1972.

PRINCIPAL REFERENCE BOOKS

- Bianco, L. *Origins of the Chinese Revolution 1915-1949*. O.U.P., 1971.
- Black, C. E. & Helmreich, E. C. *Twentieth Century Europe*. 3rd ed. Knopf, 1966.
- *Bullock, A. *Hitler: A Study in Tyranny*. Pelican, 1962.
- *Carr, E. H. *The Bolshevik Revolution, 1917-1923*. 3 vols. Pelican, 1966.
- *Chamberlin, W. H. *The Russian Revolution*. 2 vols. Macmillan, 1935 or Grosset & Dunlap, N.Y., 1965.
- Daniel-Rops, H. *The Catholic Reformation*. Dent, 1963.
- *Deutscher, I. *Stalin: A Political Biography*. Pelican, 1966.
- *Dickens, A. G. *Reformation and Society in Sixteenth-Century Europe*. Thames & Hudson, 1966.
- *Dickens, A. G. *The Counter-Reformation*. Thames & Hudson, 1968.
- *Droz, J. *Europe Between Revolutions, 1815-1848*. Fontana, 1967.
- *Elton, G. R. *Reformation Europe, 1517-1559*. Fontana, 1963.
- *Hampson, N. *The Enlightenment*. Vol. 4. Pelican History of Modern Thought, 1968.
- *Hazard, P. *European Thought in the Eighteenth Century*. Pelican, 1965.
- *Koch, H. W. ed. *The Origins of the First World War*. Macmillan, London, 1972.
- *Lichtheim, G. *The Origins of Socialism to 1848*. Weidenfeld & Nicolson, 1968.
- *Marwick, A. *Britain in the Century of Total War*. Pelican, 1970.
- *Medlicott, W. N. ed. *From Metternich to Hitler. Aspects of British and Foreign History, 1814-1939*. Historical Assn. pamphlets. Routledge, 1963.

- *Nolte, E. *Three Faces of Fascism: Action Francaise, Italian Fascism and National Socialism*. Holt, Rinehart & Winston, 1966.
- *Palmer, R. R. *The World of the French Revolution*. Allen & Unwin, 1971.
- *Passant, E. J. *A Short History of Germany, 1815-1945*. C.U.P., 1960.
- *Plamenatz, J. *German Marxism and Russian Communism*. Longman, 1954.
- *Robertson, E. M. ed. *The Origins of the Second World War*. Macmillan, London, 1971.
- *Schapiro, L. *Totalitarianism*. Macmillan, London, 1972.
- *Shub, D. *Lenin*. Pelican, 1966.
- *Weber, E. *Varieties of Fascism*. Anvil, 1964.
- *Wiskemann, E. *Europe of the Dictators 1919-1945*. Fontana, 1966.
- *Wright, G. *The Ordeal of Total War 1939-1945*. Harper, N.Y., 1968.

51.521 History IC—Britain Since 1760

SESSION 1: Early Industrial Society, 1760-1850

Pre-industrial Britain. Social aspects of industrialization and demographic expansion, including relationships between industrialization and the family, the problem of social control, the emergence of class consciousness, and the 'Standard of Living' debate. Foreign and domestic politics: Britain and the American and French revolutions, radicalism and reaction 1792-1821, the 1832 Reform Bill, local and municipal politics, Chartism and the Anti-Corn Law League. Religion and society in England from the breakdown of the parochial system and the rise of Methodism to the revival and reform of Anglicanism after 1830.

SESSION 2: Modern Industrial Society, 1850 to the Present

Domestic politics: parliamentary reform, the rise and fall of the Liberal Party, trade unionism and feminism as political pressure groups, the growth of the Labour Party and the persistence of Toryism. Ireland in British history. Religion and irreligion, including revivalism and church growth, temperance, doubt and disbelief, ecumenicalism, sectarianism and secularization. The emergence of the Welfare State. Britain and the wider world from the mid-Victorian ascendancy of Britain to the decline of Britain's international status since 1945.

TEXTBOOKS

- *Bagehot, W. *The English Constitution*. Fontana, 1963.
- *Clark, G. K. *The Making of Victorian England*. Methuen, 1965.
- Hollis, P. *Class and Conflict in Nineteenth Century England 1815-1850*. Routledge, 1973.
- Perkin, H. *The Origins of Modern English Society, 1780-1880*. Routledge, 1969.
- *Plumb, J. H. *England in the Eighteenth Century*. Pelican, 1950.
- *Thompson, D. *England in the Twentieth Century*. Pelican, 1965.
- *Thompson, E. P. *The Making of the English Working Class*. 2nd ed. Penguin, 1968.

PRINCIPAL REFERENCE BOOKS

- Best, G. F. A. *Mid-Victorian Britain, 1851-1875*. Weidenfeld & Nicolson, 1971.
- Briggs, A., *The Age of Improvement*. Longman, 1959.
- Burn, W. L. *The Age of Equipoise*. Allen & Unwin, 1964.
- Butler, J. R. M. *The Passing of the Great Reform Bill*. Cass, 1964.

- *Cahill, G. A. *The Great Reform Bill of 1832. Liberal or Conservative?* Heath, 1969.
- Checkland, S. G. *The Rise of Industrial Society in England 1815-1885.* Longman, 1964.
- *Cobbett, W. *Rural Rides.* Penguin, 1967.
- *Cole, G. D. H. & Postgate, R. *The British Common People, 1746-1946.* Allen & Unwin, 1948.
- *Dangerfield, G. *The Strange Death of Liberal England.* Capricorn, 1961.
- *Deane, P. *The First Industrial Revolution.* C.U.P., 1965.
- Ensor, R. C. *England 1870-1914.* Clarendon, 1952.
- Gash, N. *Reaction and Reconstruction in English Politics, 1832-1852.* Clarendon, 1965.
- *Halevy, E. *A History of the English People in the Nineteenth Century.* 6 vols. Benn, 1961.
- Hartwell, R. M. *British Economy and Society, 1870-1970.* O.U.P., 1972.
- Hartwell, R. M. *The Causes of the Industrial Revolution in Britain.* Methuen, 1967.
- Hill, C. *Reformation to Industrial Revolution.* Penguin, 1969.
- Hobsbawm, E. J. *Labouring Men.* Weidenfeld & Nicolson, 1964.
- Marshall, D. *Eighteenth Century England.* Longman, 1962.
- Paine, T. *Rights of Man.* Penguin, 1970.
- Pelling, H. M. *Modern Britain, 1885-1955.* Nelson, 1960.
- *Schultz, H. J. *English Liberalism and the State.* Heath, 1972.
- Smelser, N. J. *Social Change in the Industrial Revolution.* Routledge, 1959.
- Taylor, A. J. P. *British History, 1914-1945.* Clarendon, 1965.
- Thompson, A. *The Dynamics of Industrial Revolution.* Arnold, 1973.
- *Thompson, D. *England in the Nineteenth Century.* Pelican, 1950.
- *Thompson, J. A. *The Collapse of the British Liberal Party.* Heath, 1969.
- Vincent, J. *The Formation of the Liberal Party, 1857-1868.* Constable, 1966.
- Watson, J. S. *The Reign of George III. 1760-1815.* Clarendon, 1960.
- *Wilson, T. *The Downfall of the Liberal Party, 1914-1935.* Fontana, 1968.
- Woodward, E. L. *The Age of Reform, 1815-1870.* 2nd ed. Clarendon, 1962.
- Young, G. M. *Victorian England: Portrait of an Age.* 2nd ed. O.U.P., 1960.

Upper Level units

51.532 History IIA—Modern India 1757-1947

Prerequisites: 51.501 or 51.511 or 51.521 or equivalent qualifications as determined by the School of History.

An introduction to social and political developments in the subcontinent of India during the two centuries which preceded the birth of the new States of India and Pakistan.

The organization of society on the eve of the British conquest of India. The policies and institutions introduced by the British Government, and the objectives with which these policies and institutions were introduced in the subcontinent. The Indian response to the British Raj: in the realm of ideas, in social values and political institutions and in the economic organization of society.

The modernization of India during the period under review. The decay of traditional society; the rise of nationalism; the growth of modern political institutions; the changes in the intellectual horizons of the peoples of India under the British Raj.

TEXTBOOKS

- Cohn, B. *India: The Social Anthropology of a Civilization*. Prentice-Hall, 1971.
- *De Bary, W. M. T. ed. *Sources of Indian Tradition*. Vol. II. Columbia U.P., 1964.
- Hardy, P. *The Muslims of British India*. C.U.P., 1972.
- Masseios, J. *Nationalism on the Indian Sub-Continent*. Sydney U.P., 1972.
- Metcalf, T. R. *Modern India: An Interpretive Anthology*. Macmillan, 1971.

PRINCIPAL REFERENCE BOOKS

- Brecher, M. *Nehru: a Political Biography*. O.U.P., 1959.
- Brown, J. *Gandhi's Rise to Power*. C.U.P., 1971.
- Chandra, Bipin. *The Rise and Growth of Economic Nationalism in India*. People's Publishing House, New Delhi, 1966.
- Fox, R. *Kin, Clan, Raja and Rule*. California U.P., 1971.
- Frykenberg, R. E. *Guntur District*. O.U.P., 1965.
- Frykenberg, R. E. *Land Control and Social Structure in Indian History*. Wisconsin U.P., 1969.
- Kumar, R. *Essays on Gandian Politics: The Rowlatt Satyagraha of 1919*. Clarendon, 1971.
- Kumar, R. *Western India in the Nineteenth Century*. A.N.U., 1968.
- Leach, E. R. & Mukherjee, S. N. *Elites in South Asia*. C.U.P., 1970.
- Low, D. A. ed. *Soundings in Modern South Asian History*. A.N.U., 1968.
- Metcalf, T. R. *The Aftermath of Revolt: India 1857-1870*. Princeton U.P., 1964.
- Phillips, C. M. & Wainwright, M. D. eds. *The Partition of India: Policies and Perspectives, 1935-1947*. M.I.T. Press, 1970.
- Rudolph, L. J. & S. H. *The Modernity of Tradition*. Chicago U.P., 1967.
- Seal, A. *The Emergence of Indian Nationalism*. C.U.P., 1968.
- Sinha, Narendra K. *The Economic History of Bengal from Plassey to the Permanent Settlement*. 2 Vols. K. L. Mukhopadhyay, Calcutta, 1961-62.
- Srinivas, M. N. *Caste in Modern India and other essays*. Asia Publishing House, 1962.
- Stokes, E. *The English Utilitarians and India*. O.U.P., 1959.
- Wolpert, S. A. *Tilak and Gokhale*. California U.P., 1962.

51.542 History IIB—Australia 1788-1974

Prerequisites: 51.501 or 51.511 or 51.521 or equivalent qualifications as determined by the School of History.

SESSION 1

Colonial Australia: The transformation of penal settlements into self-governing colonies.

SESSION 2

Modern Australia: Australia's national evolution since federation.

TEXTBOOKS

- Crowley, F. K. ed. *A New History of Australia*. Heinemann, Melbourne, 1973.
- *Blainey, G. *The Tyranny of Distance*. Sun Books, 1966.
- *Clark, C. M. H. *A Short History of Australia*. Mentor, N.Y., 1963.
- *Serle, G. *From Deserts the Prophets Come*. Heinemann, Melbourne, 1973.
- *Hudson, W. J. *Australian Diplomacy*. Macmillan, 1970.

PRINCIPAL REFERENCE BOOKS**

- Abbott, C. J. & Nairn, N. B. eds. *Economic Growth of Australia 1788-1821*. Melbourne, 1969.
- Abbott, G. J. *The Pastoral Age*. Melbourne, 1971.
- Austin, A. G. *Australian Education 1788-1900: Church, State and Public Education in Colonial Australia*. Pitman, Melbourne, 1961.
- Barrett, B. *The Inner Suburbs: The Evolution of an Industrial Area*. M.U.P., 1971.
- *Blainey, G. *The Rush That Never Ended*. 2nd ed. M.U.P., 1969.
- *Boxer, A. H. ed. *Aspects of the Australian Economy*. M.U.P. 1969.
- Butlin, N. G. *Investment in Australian Economic Development 1861-1900*. C.U.P., 1964.
- *Cannon, M. *The Land Boomers*. Melbourne, 1966.
- Clark, C. M. H. *A History of Australia*. 3 vols. M.U.P., 1962, 1968, 1973.
- Clark, C. M. H. ed. *Select Documents in Australian History 1788-1850*. A. & R., Sydney, 1950.
- Clark, C. M. H. ed. *Select Documents in Australian History 1851-1900*. A. & R., Sydney, 1950.
- Crowley, F. K. *Modern Australia in Documents: 1901-1970*. 2 vols. Wren, Melbourne, 1973.
- Davidson, F. G. *The Industrialization of Australia*. Melbourne, 1969.
- Davies, A. F. & Encel, S. *Australian Society*. Cheshire, 1970.
- Dickey, B. *Politics in New South Wales 1856-1900*. Melbourne, 1969.
- Fitzpatrick, B. *The Australian Commonwealth*. Cheshire, 1956.
- Forster, C. *Industrial Development in Australia 1920-1930*. Canberra, 1964.
- Forster, C. ed. *Australian Economic Development in the Twentieth Century*. London, 1970.
- *Glynn, S. *Urbanisation in Australian History, 1788-1900*. Nelson, Melbourne, 1970.
- *Gollan, R. *Radical and Working Class Politics: A Study of Eastern Australia*. M.U.P., 1960.
- Grattan, C. H. *The Southwest Pacific Since 1900*. Michigan U.P. 1963.
- Greenwood, G. ed. *Australia: A Social and Political History*. Sydney, 1955.
- Griffin, J. ed. *Essays in Economic History of Australia*. Brisbane, 1970.
- *Hudson, W. J. ed. *Australia and Papua New Guinea*. Sydney U.P., 1971.
- Iremonger, J. et al. eds. *Strikes: Studies in Twentieth Century Australian Social History*. Sydney, 1973.
- La Nauze, J. A. *Alfred Deakin*. 2 vols. Melbourne, 1965.
- Long, G. *The Six Years War*. Canberra, 1973.
- Loveday, P. & Martin, A. W. *Parliament, Factions and Parties: the First Thirty Years of Responsible Government in New South Wales, 1856-1887*. M.U.P., 1966.
- Matthews, P. D. & Ford, G. W. eds. *Australian Trade Unions: Their Development, Structure and Horizons*. Melbourne, 1968.
- *Mayer, H. & Nelson, H. eds. *Australian Politics*. Cheshire, 1973.
- McLeod, A. L. ed. *The Pattern of Australian Culture*. Melbourne, 1963.
- Millar, T. B. *Australia's Foreign Policy*. A. & R., 1968.
- Murray, R. *The Split*. Melbourne, 1970.
- *O'Farrell, P. J. *The Catholic Church in Australia: A Short History 1788-1967*. Nelson, Melbourne, 1968.
- Preston, R. ed. *Contemporary Australia*. Durham, 1969.
- Roe, M. *Quest for Authority in Eastern Australia, 1835-1851*. M.U.P., 1965.
- Rowley, C. D. *The Destruction of Aboriginal Society, Aboriginal Policy and Practice*. Vol. 1. A.N.U.P., 1970.

**Students are advised to check books in the University Library in cases where publisher has been omitted.

* Paperback.

- Sawer, G. *Australian Federal Politics and Law: 1901- 1929*. Melbourne, 1956.
- Sawer, G. *Australian Federal Politics and Law: 1929-1949*. Melbourne, 1967.
- Schedvin, C. B. *Australia and the Great Depression*. Sydney, 1970.
- *Serle, G. *The Golden Age: a History of the Colony of Victoria, 1851-1861*. M.U.P., 1963.
- Serle, G. *The Rush to be Rich: A History of the Colony of Victoria, 1883-1889*. M.U.P., 1971.
- Shaw, A. G. L. *Convicts and the Colonies*. London, 1966.
- Stevens, F. S. ed. *Racism: The Australian Experience*. 3 vols. Sydney, 1971-72.
- Turner, I. *Industrial Labour and Politics*. Canberra, 1965.
- *Ward, R. *The Australian Legend*. O.U.P., Melbourne, 1966.
- Younger, R. M. *Australia and the Australians: A New Concise History*. Adelaide, 1970.

51.552 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.

TEXTBOOKS**

- *Albrecht-Carrié, R. *A Diplomatic History of Europe*. University Paperback, 1965.
- Barracrough, G. *An Introduction to Contemporary History*. London, 1967.
- *Craig, G. A. & G. F. *The Diplomats 1919-1939*. Atheneum, N.Y., 1965.
- Gathorne-Hardy, G. M. *A Short History of International Affairs 1920-1939*. 4th ed. R.I.I.A., O.U.P., 1950.
- *Grenville, J. A. S. *The Major International Treaties 1914-1973*. University Paperback, 1974.
- Robertson, C. L. *International Politics Since World War II*. N.Y., 1966.

PRINCIPAL REFERENCE BOOKS**

- *Bullock, A. *Hitler: A Study in Tyranny*. 2nd ed. Pelican, 1962.
- Claude, I. L. Jr. *Swords into Ploughshares*. N.Y., 1964.
- Dexter, B. *The Years of Opportunity. The League of Nations 1920-1926*. Viking Press, N.Y., 1967.
- Fois, H. *Churchill, Roosevelt, Stalin*. Princeton, 1957.
- Frankel, J. *International Relations*. 2nd ed. O.U.P., 1969.
- Gladwyn, Lord. *The European Idea*. London, 1967.

**Students are advised to check books in the University Library in cases where publisher has been omitted.

* Paperback

- Halle, L. *The Cold War as History*. London, 1967.
 Hartmann, F. *The Relations of Nations*. N.Y., 1968.
 Ionescu, G. *The Politics of the European Communist States*. London, 1969.
 *Kennan, G. F. *Russia and the West under Lenin and Stalin*. Mentor, 1961.
 *Koch, H. W. ed. *The Origins of the First World War*. Macmillan, 1972.
 *Kochan, L. *The Struggle for Germany, 1914-1945*. Harper, U.S.A., 1967.
 Laqueur, W. Z. *Russia and Germany*. London, 1965.
 Lyon, P. *Neutralism*. Leicester, 1963.
 Mehden, van der, F. R. *Politics of the Developing Nations*. N.Y., 1966.
 Morgenthau, H. J. *Politics among Nations*. 4th ed. Knopf, N.Y., 1967.
 Northedge, F. S. *The Troubled Giant*. London, 1966.
 *Robertson, E. M. ed. *The Origins of the Second World War*. Macmillan, 1971.
 *Seton-Watson, H. *Neither War Nor Peace*. London, 1960.
 Seton-Watson, H. *Eastern Europe between the Wars 1918-1941*. Harper, U.S.A., 1962.
 Shafer, B. C. *Nationalism, Myth and Reality*. N.Y., 1965.
 *Thorne, C. *The Approach of War*. Macmillan, 1967.
 Ulam, A. B. *Expansion and Coexistence, The History of Soviet Foreign Policy, 1917-1967*. N.Y., 1968.
 Walters, F. P. *A History of the League of Nations*. N.Y., 1952.
 Watt, D. C., Spencer, F. & Brown, N. *A History of the World in the Twentieth Century*. N.Y., 1968.
 Werth, A. *Russia at War, 1941-1945*. N.Y., 1964.
 *Wiskemann, E. *The Rome-Berlin Axis*. Fontana, 1966.
 Woodward, Sir L. *British Foreign Policy in the Second World War*. London, 1962.

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.

SESSION 2: Southeast Asian Societies, during and after European Colonial Rule.

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 19th and 20th centuries. Includes Indonesia, Malaysia and Vietnam.

TEXTBOOKS

- Cady, J. F. *Southeast Asia: Its Historical Development*. McGraw-Hill, 1964.
 or
 Hall, D. G. E. *A History of Southeast Asia*. Macmillan, 1961.
 Legge, J. D. *Indonesia*. Prentice-Hall, 1964.
 Steinberg, D. J. ed. *In Search of Southeast Asia: A Modern History*. Praeger, 1970.

PRINCIPAL REFERENCE BOOKS

- Benda, H. J. *The Crescent and the Rising Sun*. Van Hoeve, 1958.
 Coedes, G. *The Indianized States of Southeast Asia*. A.N.U., 1968.
 Cowan, C. D. *19th century Malaya: The Origins of British Political Control*. O.U.P., 1961.
 Fitzgerald, C. P. *Southern Expansion of the Chinese People*. A.N.U.P., 1972.
 Furnivall, J. S. *Colonial Policy and Practice*. C.U.P.
 Geertz, C. *Agricultural Involution*. Univ. of California, 1963.
 Geertz, C. *The Religion of Java*. Free Press, 1960.
 Gullick, J. M. *Indigenous Political Systems of Western Malaya*. London U.P., 1958.
 Heine-Geldern, R. *Conceptions of Kingship in Southeast Asia*. Cornell U.P., 1956.
 Kahin, G. McT. *Nationalism and Revolution in Indonesia*. Cornell U.P., 1962.
 Legge, J. D. *Sukarno: A Political Biography*. Penguin, 1973.
 Marr, D. G. *Vietnamese Anti-Colonialism*. California U.P., Berkeley, 1971.
 Van Leur, J. C. *Indonesian Trade and Society*. Van Hoeve, The Hague, 1955.
 Van Niel, R. *The Emergence of the Modern Indonesian Elite*. Van Hoeve, The Hague, 1960.
 Wertheim, W. F. *Indonesian Society in Transition. A Study of Social Change*. Van Hoeve, The Hague, 1959.
 Woodside, A. B. *Vietnam and the Chinese Model*. Harvard U.P., 1971.

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. The history of the country from the colonial period, with emphasis upon political, social and economic developments since 1776, and analysis of how, why, when and with what results thirteen English Colonies were consolidated into the single, powerful, industrial nation of today.

Consists of two parts: *Part I: 1760-1865; Part II: 1865-1970.*

TEXTBOOKS

- Commager, H. S. ed. *Documents of American History*. 8th ed. Appleton, N.Y., 1968.
 Morris, R. B., Greenleaf, W. & Ferrell, R. H. *America: A History of the People*. Rand McNally, 1971.
 Van Deusen, G. G. & Bass, H. J. eds. *Readings in American History*. 2 vols. Macmillan, N.Y., 1968.

PRINCIPAL REFERENCE BOOKS

- Bernstein, B. J. ed. *Towards a New Past*. Vintage, N.Y., 1969.
 Bernstein, B. J. & Matusow, A. J. *Twentieth Century America. Recent Interpretations*. Harcourt, Brace & World, 1969.
 Boorstin, D. J. *The Americans: The Colonial Experience*. Random House, N.Y., 1958.
 Boorstin, D. J. *The Americans: The National Experience*. Harcourt, Brace N.Y., 1965.
 Colbourn, T. & Patterson, J. T. eds. *The American Past in Perspective*. 2 vols. Allyn & Bacon, 1970.
 Crow, H. L. & Turnbull, W. L. eds. *American History: A Problems Approach*. 2 vols. Holt, Rinehart & Winston, 1971.

- Drimmer, M. ed. *Black History. A Reappraisal*. Doubleday Anchor, N.Y., 1969.
- Ferrell, H. *American Diplomatic History*. Norton, 1969.
- Fine, S. & Brown, G. S. eds. *The American Past. Conflicting Interpretations of the Great Issues*. 2 vols. 3rd ed. Macmillan, N.Y., 1970.
- Fishel, H. & Quarles, B. eds. *The Negro American. A Documentary History*. Scott Foresman, 1967.
- Frazier, T. R. ed. *Afro American History Primary Sources*. Harcourt, Brace & World, 1970.
- Frazier, T. R. comp. *The Underside of American History. Other Readings*. 2 vols. Harcourt, Brace, Jovanovich, 1971.
- Genovese, E. D. *The Political Economy of Slavery*. Pantheon, N.Y., 1965.
- Greene, J. P. ed. *The Reinterpretation of the American Revolution 1763-1789*. Harper & Row, N.Y., 1968.
- Higham, J. ed. *The Reconstruction of American History*. Hutchinson, London, 1962.
- Hofstadter, R. *Age of Reform from Bryan to F. D. Roosevelt*. Knopf, N.Y., 1955.
- Hofstadter, R. *The Progressive Historians*. Turner, Beard, Parrington. Jonathan Cape, 1969.
- Hopkins, J. G. E. ed. *Concise Dictionary of American Biography*. Charles Scribner's Sons, N.Y., 1964.
- Katz, S. N. & Kutler, S. I. *New Perspectives on the American Past*. 2 vols. Little, Brown, Boston, 1969.
- Kolko, G. *The Triumph of Conservatism*. Free Press, 1963.
- Link, A. S. *American Epoch: A History of the U.S. Since the 1890's*. 3 vols. 3rd ed. Borzoi Books, Knopf, N.Y., 1967.
- Maier, P. *From Resistance to Revolution. Colonial Radicals and the Development of American Opposition to Britain, 1765-1776*. Routledge, 1973.
- Meyers, M. et al. eds. *Sources of the American Republic: A Documentary History of Politics, Society and Thought*. 2 vols. Scott, Foresman, 1967.
- Mitchell, F. D. & Davies, R. O. eds. *America's Recent Past*. Wiley, N.Y., 1969.
- Morgan, E. S. *The American Revolution: Two Centuries of Interpretation*. Spectrum Books, Prentice-Hall, N.J., 1965.
- Mowry, G. E. *The Urban Nation 1920-1960*. Macmillan, London, 1966.
- Nichols, R. F. *The Stakes of Power 1847-1877*. Macmillan, N.Y., 1965.
- North, D. C. *Growth and Welfare in the American Past. A New Economic History*. Prentice-Hall, 1966.
- Schlesinger, A. M. *A Thousand Days: John F. Kennedy in the White House*. Deutsch, London, 1965.
- Shannon, D. A. *Twentieth Century America*. 3 vols. 2nd ed. Rand McNally, 1969.
- Truman, H. S. *Memoirs*. 2 vols. Doubleday, N.Y., 1955-1956.
- Turner, F. J. *The Frontier in American History*. Holt, Rinehart & Winston, N.Y., 1962.
- United States Bureau of the Census. *Historical Statistics of the United States: Colonial times to 1957*. A Statistical Abstract Supplement prepared with the co-operation of the Social Science Research Council Washington, 1960.
- University of Chicago. *The People Shall Judge: Readings in the Formation of American Policy*. 2 vols. Selected and edited by the Staff, Social Sciences I, the College of the University of Chicago. Chicago U.P., Chicago, 1953-54.
- Weinstein, A. et al. eds. *The Random House Readers in American History*. 2 vols. Random House, 1970.
- Wiebe, R. *The Search for Order 1877-1920*. Macmillan, London, 1968.
- Williams, W. A. *The Tragedy of American Diplomacy*. Dell, N.Y., 1962.

- Wiltse, C. M. *The New Nation 1800-1845*. Macmillan, London, 1965.
Wood, G. S. *The Creation of the American Republic 1776-1787*. North Carolina U.P., 1969.
Woodman, H. D. ed. *Slavery and the Southern Economy. Sources and Readings*. Harcourt, Brace & World, N.Y., 1966.
Wright, E. *Fabric of Freedom 1763-1800*. Macmillan, London, 1965.

Advanced Level units

51.602 Indian History (Advanced)

Prerequisites: 51.501 or 51.511 or 51.521 (Cr.). Co-requisite: any Upper Level History unit.

Consists of 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 Foreign Relations (Advanced)

Prerequisites: 51.501 or 51.511 or 51.521 (Cr.). Co-requisite: any Upper Level History unit.

A series of special seminars principally for Honours students, and concerned with Australia's 20th century evolution within the imperial British framework and with Australian diplomatic dealings with the world at large.

51.622 The Religious Factor in Australian History (Advanced)

Prerequisites: 51.501 or 51.511 or 51.521 (Cr.). Co-requisite: any Upper Level History Unit.

An examination of selected aspects of the influence of religious beliefs and of the churches on the development of Australian history, 1788-1974. Particular attention will be given to such themes as church-state relations, education, the social and political influence of the churches, sectarianism, secularism and anti-religious movements.

51.632 The American Revolution and the Federal Constitution 1764-1788 (Advanced)

Prerequisites: 51.501 or 51.511 or 51.521 (Cr.). Co-requisite: any Upper Level History Unit.

A special study of the American Revolution and its aftermath.

51.642 South East Asian History (Advanced)

Prerequisites: 51.501 or 51.511 or 51.521 (Cr.). Co-requisite: any Upper Level History Unit.

Part 1: 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.

Part 2: 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.

51.652 Zionism and Middle East Conflict 1917-1973 (Advanced)

Prerequisites: 51.501 or 51.511 or 51.521 (Cr.). Co-requisite: any Upper Level History unit.

The effects of Zionism and Arab nationalism and Middle Eastern 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-Israel issue in international politics, and the changing power situation resulting from the 1973 conflict.

51.662 Anti-Dynastic Movements in China (Advanced)

Prerequisites: 51.501 or 51.511 or 51.521 (Cr.). Co-requisite: any Upper Level History unit.

The successive revolutionary and reformist movements in China from the middle of the 19th century to the establishment of the First Republic in 1911. The movements were of two types: (a) popular anti-Manchu "peasant rebellions", secret society activities, and from the mid-1890s a revolutionary movement aiming at the establishment of a republican form of government; and (b) movements initiated by the ruling elite itself, such as that of the "self-strengtheners", the reform movement of 1898, and finally the belated attempts to institute reforms by the Manchu government, shortly before its final collapse.

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 British History (History IVB) or Revolution in Twentieth Century Peasant Societies (History IVC).

History IVA Historiography: A series of seminars on Historiographic Themes

Students should consult list posted on the School notice board.

History IVB British History

History IVC Revolution in Twentieth Century Peasant Societies: Russia, China and India

HISTORY AND PHILOSOPHY OF SCIENCE

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 H.P.S. 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 H.P.S. 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 programme. 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, H.P.S. can be combined with most subjects in the Faculty of Arts in programmes for the Combined Honours degree.

Employment opportunities for graduates in H.P.S. 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.

PRINCIPAL REFERENCE BOOKS

Butterfield, H. *The Origins of Modern Science*. Bell.

Cajori, F. ed. *Sir Isaac Newton's Mathematical Principles of Natural Philosophy and His System of the World*. California U.P.

Caspar, M. Kepler. Hellman, C. D. trans. Abelard-Schuman.

Cohen, I. B. *The Birth of a New Physics*. Heinemann.

Drake, S. ed. *Discoveries and Opinions of Galileo*. Doubleday.

Galilei, G. *Dialogue Concerning the Two Chief World Systems*. Drake, S. trans. California U.P.

Gamow, A. *The Creation of the Universe*. Mentor.

Hall, A. R. *The Scientific Revolution 1500-1800*. Longman.

Hubble, E. *The Realm of the Nebulae*. New Haven.

Kant, I. *Universal Natural History and Theory of the Heavens*. Michigan U.P.

Koyré, A. *From the Closed World to the Infinite Universe*. Johns Hopkins U.P.

Medawar, P. B. *Induction and Intuition in Scientific Thought*. Methuen.

Pannekoek, A. *A History of Astronomy*. Allen & Unwin.

Sciama, D. W. *The Unity of the Universe*. Faber & Faber.

Scientific American. *Frontiers in Astronomy*. Freeman.

Whitehead, A. N. *Science and the Modern World*. Mentor.

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.

PRINCIPAL REFERENCE BOOKS

Boas, M. *The Scientific Renaissance, 1450-1630*. Collins.

Burnet, J. *Early Greek Philosophy*. Black.

Clagett, M. *Greek Science in Antiquity*. Abelard-Schuman.

Cornford, F. M. *Plato's Cosmology: The Timaeus of Plato*. Humanities Press.

Cumont, F. *Astrology and Religion among the Greeks and Romans*. Dover.

Dicks, D. R. *Early Greek Astronomy to Aristotle*. Thames & Hudson.

Frankfort, H. et al. *The Intellectual Adventure of Ancient Man*. Chicago U.P.

Heath, T. *Aristarchus of Samos*. O.U.P.

Hoyle, F. *From Stonehenge to Modern Cosmology*. Freeman.

Johnson, F. R. *Astronomical Thought in Renaissance England*. Johns Hopkins U.P.

Kahn, C. H. *Anaximander and the Origins of Greek Cosmology*. Columbia U.P.

- Neugebauer, O. *The Exact Sciences in Antiquity*. Brown U.P.
 Rosen, E. ed. *Three Copernican Treatises*. Dover.
 Sarton, A. *A History of Science*. Wiley.
 Stimson, D. *The Gradual Acceptance of the Copernican Theory of the Universe*. Harvard U.P.
 Taylor, A. E. *Aristotle*. Dover.
 West, J. A. & Toonder, J. G. *The Case for Astrology*. 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.

PRINCIPAL REFERENCE BOOKS

- Bacon, F. *The New Organon and Related Writings*. Anderson, F. H. ed. Bobbs-Merrill.
 Bacon, F. *Essays, Advancement of Learning, New Atlantis and Other Pieces*. Jones, R. F. ed. Odyssey.
 Boas, M. *The Scientific Renaissance, 1450-1630*. Collins.
 Descartes, R. *Philosophical Writings*. Nelson.
 Dijksterhuis, E. J. *The Mechanization of the World Picture*. O.U.P.
 Galilei, G. *Discoveries and Opinions of Galileo*. Drake, S. trans. & ed. Doubleday.
 Hall, A. R. *The Scientific Revolution, 1500-1800*. Collins.
 Hobbes, T. *Leviathan*. Pelican.
 Keeling, S. V. *Descartes*. O.U.P.
 Koyré, A. *From the Closed World to the Infinite Universe*. Johns Hopkins U.P.
 Locke, J. *Essay Concerning Human Understanding*. Everyman.
 Thayer, H. *Newton's Philosophy of Nature*. Hafner.
 West, J. F. *The Great Intellectual Revolution*. Citadel.
 Westfall, R. S. *Science and Religion in Seventeenth Century England*. New Haven.
 Westfall, R. S. *The Construction of Modern Science*. Wiley.
 Wolf, A. *History of Science, Technology and Philosophy in the Sixteenth and Seventeenth Centuries*. Harper.

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, TEXTBOOKS AND PRINCIPAL REFERENCE BOOKS

As for 62.211.

Upper Level units

62.223 The Discovery of Time

Prerequisite: Completion of 4 Arts or other units approved by the School of History & 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*. O.U.P.

TEXTBOOKS

Gillespie, C. C. *Genesis and Geology*. Harper.

Haber, F. C. *The Age of the World: Moses to Darwin*. Johns Hopkins U.P.

Toulmin, S. E. & Goodfield, J. *The Discovery of Time*. Hutchinson.

PRINCIPAL REFERENCE BOOKS

Albritton, C. C. ed. *The Fabric of Geology*. Freeman.

Becker, C. L. *The Heavenly City of the Eighteenth Century Philosophers*. Yale U.P.

Brumfitt, J. H. *The French Enlightenment*. Macmillan.

Bury, J. B. *The Idea of Progress*. Dover.

Coleman, W. *Georges Cuvier, Zoologist*. Harvard U.P.

Davies, G. L. *The Earth in Decay—A History of British Geomorphology, 1578-1848*. Oldbourne.

Geikie, A. *The Founders of Geology*. Dover.

Greene, J. C. *The Death of Adam*. Mentor.

Hampson, N. *The Enlightenment*. Pelican.

Herder, J. G. von. *Reflections on the Philosophy of the History of Mankind*. Chicago U.P.

Hooykaas, R. *Catastrophism in Geology*. North Holland.

Hooykaas, R. *The Principle of Uniformity in Geology, Biology and Theology*. Brill.

Kearney, H. *Science and Change 1500-1700*. Weidenfeld & Nicolson.

Lovejoy, A. O. *The Great Chain of Being*. Harper.

Lyell, C. *The Principles of Geology*. Murray.

- Playfair, J. *Illustrations of the Huttonian Theory of the Earth*. Dover.
 Popper, K. R. *The Open Society and its Enemies*. Routledge & Kegan Paul.
 Rudwick, M. J. S. *The Meaning of Fossils. Episodes in the History of Palaeontology*. Macdonald & Elsevier.
 Stumpf, S. E. *Socrates to Sartre: A History of Philosophy*. McGraw-Hill.
 Vico, G. *The New Science of Giambattista Vico*. Cornell U.P.
 Wilson, L. G. *Charles Lyell, Vol. 1. The Years to 1841: the Revolution in Geology*. Yale U.P.

Note: Additional references and duplicated source material will be issued in class.

62.233 Social History of Seventeenth and Eighteenth Century Science

Prerequisite: completion of 4 Arts or other approved units.

The growth of the scientific movement from the 17th century to the end of the 18th century, in relation to: (a) its social and cultural environment and the effects of social structures and social changes upon it; (b) its internal organization; (c) its effects, intellectual and (via technology) material, upon society. Includes: the different national contexts of the scientific movement; its social composition at various times; its relations with the State in different countries at different times, with the universities and other teaching institutions; the communications system in science; the nature and functions of scientific societies and academies; the effects of science on technology and of technology on science; the institutionalization and professionalization of science.

TEXTBOOKS

No suitable textbooks are available. Selections from primary sources, reading lists and other material are issued by the School.

PRINCIPAL REFERENCE BOOKS

- Bacon, F. *The New Organon and Related Writings*. Anderson, F. H. ed. Bobbs-Merrill.
 Barber, B. *Science and the Social Order*. Collier.
 Brown, H. *Scientific Organizations in Seventeenth Century France*. William & Wilkins.
 Buchanan, R. A. *Technology and Social Progress*. Pergamon.
 Buchdahl, G. *The Image of Newton and Locke in the Age of Reason*. Sheed & Ward.
 Diderot, D. *Pictorial Encyclopedia of Trades and Industry*. Gillespie, C. C. ed. 2 vols. Dover.
 Farrington, B. *Francis Bacon: Philosopher of Industrial Science*. Collier.
 Hahn, R. *The Anatomy of a Scientific Institution: The Paris Academy of Sciences, 1666-1803*. California U.P.
 Hall, A. R. *From Galileo to Newton*. Collins.
 Jones, R. F. *Ancients and Moderns: A Study of the Rise of the Scientific Movement in Seventeenth Century England*. California U.P.
 Kranzberg, M. & Pursell, C. W. *Technology in Western Civilization*. 2 vols. O.U.P.
 Lilley, S. *Essays on the Social History of Science*. Centaurus.
 Marsak, L. M. *The Rise of Science in relation to Society*. Macmillan.
 Mason, S. F. *A History of the Sciences*. Routledge.
 Ornstein, M. *The Role of Scientific Societies in the Seventeenth Century*. Chicago U.P.
 Purver, M. *The Royal Society: Concept and Creation*. Routledge.
 Smith, P. *A History of Modern Culture*. 2 vols. Collier.

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

Appleman, P. ed. *Darwin: a Norton Critical Edition*. Norton.

Darwin, C. *The Origin of Species*. 1st ed. Pelican.

PRINCIPAL REFERENCE BOOKS

Bell, P. R. *Darwin's Biological Work*. Wiley.

Bodenheimer, F. S. *The History of Biology, an Introduction*. Dawson.

Chambers, R. *The Vestiges of the Natural History of Creation*. Leicester U.P.

Coleman, W. *Georges Cuvier, Zoologist*. Harvard U.P.

Darwin, C. *Charles Darwin's Autobiography*. Darwin, F. ed. Collier.

Darwin, C. *The Voyage of the Beagle*. Everyman.

de Beer, G. *Charles Darwin, Evolution by Natural Selection*. Nelson.

Eiseley, L. *Darwin's Century*. Gollancz.

Ellegard, A. *Darwin and the General Reader*. Adler. Also Humanities Press.

Glass, B. et al. eds. *Forerunners of Darwin, 1745-1859*. Johns Hopkins U.P.

Greene, J. C. *Darwin and the Modern World View*. Mentor.

Greene, J. C. *The Death of Adam*. Mentor.

Haber, F. C. *The Age of the World, Moses to Darwin*. Baltimore.

Himmelfarb, G. *Darwin and the Darwinian Revolution*. Norton.

Hofstadter, R. *Social Darwinism in American Thought*. Knopf.

Lamarck, J. B. P. A. de M. de. *Zoological Philosophy*. Hafner.

Lovejoy, A. O. *The Great Chain of Being*. Harper.

Milhauser, M. *Just before Darwin, Robert Chambers and the Vestiges*. Wesleyan U.P.

Nordenskiöld, E. *The History of Biology: A Survey*. Tudor.

Singer, C. A. *History of Biology*. Abelard-Schuman.

Toulmin, S. E. & Goodfield, J. *The Discovery of Time*. Pelican.

Vorzimmer, P. *Charles Darwin, the Years of Controversy, the Origin of Species and its Critics, 1859-1882*. Temple U.P.

Wiener, P. P. *Evolution and the Founders of Pragmatism*. Harper.

62.253 The Social History of Nineteenth and Twentieth Century Science

Prerequisite: completion of 4 Arts or other approved units.

The development of the scientific enterprise, in its social and cultural context, from the nineteenth century to the present. The nature and functions of modern scientific societies, the relations of science with the universities and other teaching institutions and with the professions of medicine and engineering, the effects of science on technology and of technology on science, and the relations between science and the State, with special reference to specific problems in the U.S.A., Britain, the Soviet Union, Germany, and the developing nations.

TEXTBOOKS

No suitable textbooks are available. Selections from primary sources, and other material are issued during the course.

PRINCIPAL REFERENCE BOOKS

- Argles, M. *South Kensington to Robbins: An Account of English Technical and Scientific Education Since 1851*. Longman.
- Artz, F. B. *The Development of Technical Education in France*. Soc. for the History of Technology. Cleveland.
- Ashby, E. *Technology and the Academics*. Macmillan.
- Barber, B. *Science and the Social Order*. Collier.
- Beer, J. J. *The Emergence of the German Dye Industry*. Ill. U.P.
- Ben-David, J. *The Scientist's Role in Society*. Prentice-Hall.
- Bernal, J. D. *Science and Industry in the Nineteenth Century*. Routledge.
- Buchanan, R. A. *Technology and Social Progress*. Pergamon.
- Haberer, J. *Politics and the Community of Science*. Van Nostrand.
- Kranzburg, M. & Pursell, C. W. *Technology in Western Civilization*. 2 vols. O.U.P.
- Lilley, S. *Essays on the Social History of Science*. Centaurus.
- Paulsen, F. *The German Universities: Their Character and Historical Development*. Macmillan.
- Roderick, G. S. *The Emergence of a Scientific Society in England, 1800-1965*. Macmillan.
- Rose, H. & Rose, S. *Science and Society*. Penguin.
- Van Tassel, D. D. & Hall, M. G. *Science and Society in the United States*. Dorsey.
- Vucinich, A. *Science in Russian Culture*. 2 vols. Owens.

62.263 The Development of Theories of Matter

Prerequisite: completion of four Arts or other approved units, including two units of H.P.S. 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, from antiquity to the present, emphasises ideas in the seventeenth, eighteenth and nineteenth centuries. Speculations—both "plenist" and "atomistic"—of the Greeks; discussion and elaboration of these views in the Medieval period and the Renaissance. The "mechanical philosophy" in the seventeenth century; the Cartesian and Newtonian schemes. The Newtonian world-picture—in both its "mechanist" and "materialist" modes—in the eighteenth century; the "nut-shell" theory, and the doctrine of point masses of Bosovich. Elements, "principles" and "simple substances". Dalton's atomic theory, and the subsequent "atomic debates". Nineteenth-century chemical theories of bonding and structure. Theories concerning sub-atomic particles, the Bohr theory of the atom, the quantum theory and the wave/particle model.

PRELIMINARY READING

- Amaldi, G. *The Nature of Matter: Physical Theory from Thales to Modern Times*. Allen & Unwin.

TEXTBOOK

- Crosland, M. P. ed. *The Science of Matter: A Historical Study*. Pelican.

PRINCIPAL REFERENCE BOOKS

- Brock, W. H. ed. *The Atomic Debates*. Leicester U.P.
- Burnet, J. *Greek Philosophy: Thales to Plato*. Macmillan.
- Cardwell, D. S. L. ed. *John Dalton and the Progress of Science*. Manchester U.P.
- Clagett, M. ed. *Critical Problems in the History of Science*. Wisconsin U.P.
- Debus, A. G. *The English Paracelsians*. Oldbourne.
- Hanson, N. R. *The Concept of the Positron: A Philosophical Analysis*. C.U.P.

- Harré, R. *Matter and Method*. Macmillan.
 Hauschka, R. *The Nature of Substance*. Stuart.
 Hesse, M. B. *Forces and Fields*. Greenwood Press.
 Jammer, M. *Concepts of Mass in Classical and Modern Physics*. Harvard U.P.
 Kargon, R. H. *Atomism in England from Hariot to Newton*. O.U.P.
 Knight, D. M. *Atoms and Elements: A Study of Theories of Matter in England in the Nineteenth Century*. Hutchinson.
 McMullin, E. ed. *The Concept of Matter in Greek and Medieval Philosophy*. Notre Dame U.P.
 Roller, D. H. D. ed. *Perspectives in the History of Science*. Oklahoma U.P.
 Russell, C. A. *The History of Valency*. Leicester U.P.
 Schofield, R. E. *Mechanism and Materialism: British Natural Philosophy in An Age of Reason*. Princeton U.P.
 Thackray, A. *Atoms and Powers: An Essay on Newtonian Matter-Theory and the Development of Chemistry*. Harvard U.P. & O.U.P.
 Van Melsen, A. G. *From Atomos to Atom: The History of the Concept Atom*. Harper.
 Whyte, L. L. *Essay on Atomism: from Democritus to 1960*. Harper.
 Whyte, L. L. ed. *Roger Joseph Boscovich, S. J., F.R.S., 1711-1787*. Allen & Unwin.

62.273 The Historical Foundations of Experimental Biology

Prerequisite: Completion of four Arts or other approved units, including two units of H.P.S. 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. Emphasis on the development of plant and animal physiology, including: 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 text.

PRINCIPAL REFERENCE BOOKS

- Bernard, C. *Introduction to the Study of Experimental Medicine*. Collier.
 Bodenheimer, F. S. *The History of Biology*. Dawson.
 Crosland, M. P. ed. *The Science of Matter*. Penguin.
 Gasking, E. B. *The Rise of Experimental Biology*. Random House.
 Goodfield, G. J. *The Growth of Scientific Physiology*. Hutchinson.
 Hales, S. *Statical Essays*. Hafner.
 Hall, T. S. ed. *A Source Book of Animal Biology*. Hafner.
 Harvey, W. *On the Motion of the Heart and Blood*. Everyman.
 Hooke, R. *Micrographia*. Dover.
 Hughes, A. *A History of Cytology*. Abelard Schuman.
 Kuhn, T. S. *The Structure of Scientific Revolutions*. Chicago U.P.
 Mendelsohn, E. *Heat and Life: The Development of the Theory of Animal Heat*. Harvard.
 Olmsted, J. M. D. *François Magendie*. Schuman's.
 Pagel, W. *William Harvey's Biological Ideas*. Karger.
 Rook, A. *The Origins and Growth of Biology*. Penguin.
 Rothschild, K. *History of Physiology*. Krieger.
 Singer, C. *History of Biology*. Abelard Schuman.
 Taylor, R. *The Science of Life*. Thames & Hudson.

62.283 The History of Theories of Generation and Heredity

Prerequisite: Completion of four Arts or other approved units, including two units of H.P.S. 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 largely covering the period from 1830 to 1930. Includes: the cell theory; sexual and asexual reproduction; embryology; the theory of spontaneous generation and its overthrow (including the explanation of fermentation and the germ theory of disease); 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 text.

PRINCIPAL REFERENCE BOOKS

- Brecher, E. M. *The Sex Researchers*. Little, Brown.
 Cole, F. J. *Early Theories of Sexual Generation*. Clarendon.
 Conant, J. B. *Pasteur's Study of Fermentation*. Harvard.
 Conant, J. B. *Pasteur's and Tyndall's Study of Spontaneous Generation*. Harvard.
 Dunn, L. C. *A Short History of Genetics*. McGraw-Hill.
 Freud, S. *New Introductory Lectures on Psychoanalysis*. Std. ed. vol. 22. Hogarth.
 Gasking, E. *Investigations into Generation, 1651-1828*. Hutchinson.
 de Graaf, R. *On the Human Reproductive Organs*. Blackwell.
 Harvey, W. *Collected Works*. Johnson Reprint.
 Hughes, A. *A History of Cytology*. Abelard-Schuman.
 Koestler, A. *The Case of the Midwife Toad*. Random House.
 Kuhn, T. S. *The Structure of Scientific Revolutions*. Chicago U.P.
 Mendel, G. *Experiments on Plant Hybridisation*. Harvard.
 Needham, J. *A History of Embryology*. C.U.P.
 Olby, R. C. *Origins of Mendelism*. Constable.

62.503 The Philosophy of Science

Prerequisite: Completion of four Arts or other approved units, including two units of H.P.S. or two units of Philosophy, or one unit of H.P.S. 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.

Braithwaite, 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 U.P.

Popper, K. R. *The Logic of Scientific Discovery*. Harper Torchbook.

PRINCIPAL REFERENCE BOOKS

Bacon, F. *The New Organon*. Library of Liberal Arts.

Barker, S. F. *Philosophy of Mathematics*. Prentice-Hall.

Darwin, C. *The Origin of Species*. Penguin.

Descartes, R. *A Discourse on Method*. Everyman.

Duhem, P. *The Aim and Structure of Physical Theory*. Princeton U.P.

Euclid. *The Elements*. Everyman.

Galilei, G. *Two New Sciences*. Dover.

Hanson, N. R. *Patterns of Discovery*. C.U.P.

Harvey, W. *The Circulation of the Blood*. Everyman.

Hempel, C. G. *Philosophy of Natural Science*. Prentice-Hall.

Hesse, M. B. *Forces and Fields*. Nelson.

Hesse, M. B. *Models and Analogies in Science*. Sheed & Ward.

Kant, I. *Prolegomena to Any Future Metaphysics*. Manchester U.P. or Library of Liberal Arts.

Lakatos, I. & Musgrave, A. eds. *Criticism and the Growth of Knowledge*. C.U.P.

Losee, J. *A Historical Introduction to the Philosophy of Science*. O.U.P.

Malthus, T. R. *An Essay on the Principle of Population*. Penguin.

Medawar, P. B. *Induction and Intuition in Scientific Thought*. Methuen.

Nagel, E. *The Structure of Science*. Routledge.

Nash, L. K. *The Nature of the Natural Sciences*. Little, Brown.

Newton, I. *Principia*. 2 vols. California. U.P.

Popper, K. R. *Conjectures and Refutations*. Routledge.

Toulmin, S. *Foresight and Understanding*. Harper Torchbook.

Toulmin, S. *The Philosophy of Science*. Harper Torchbook.

Whitehead, A. N. *Science and the Modern World*. Mentor.

62.513 History of the Philosophy and Methodology of Science

Prerequisites: Completion of four Arts or other approved units, including two units of H.P.S., or two units of Philosophy, or one unit of H.P.S. plus one unit of Philosophy.

The development of ideas concerning the nature and methods of the sciences from 1600 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

Losee, J. *A Historical Introduction to the Philosophy of Science*. O.U.P.

TEXTBOOKS

No suitable textbooks are available. Most of the editions of primary sources listed under *Principal Reference Books* below are reasonably priced. Students should buy some primary sources and will be advised in class re selection.

PRINCIPAL REFERENCE BOOKS*Primary Sources*

- Ayer, A. J. *Language-Truth and Logic*. Penguin.
 Berkeley, G. *Berkeley's Philosophical Writings*. Armstrong, D. M. ed. Collier.
 Bridgman, P. W. *The Logic of Modern Physics*. Macmillan.
 Carnap, R. *Logical Foundations of the Unity of Science*. International Encyclopedia of Unified Science. Vol. I, No. 1. Chicago U.P.
 Duhem, P. *The Aim and Structure of Physical Theory*. Princeton U.P.
 Edgington, A. S. *The Philosophy of Physical Science*. Ann Arbor Paperback.
 Hume, D. *A Treatise of Human Nature*. Penguin.
 James, W. *Selected Papers on Philosophy*. Everyman.
 Kant, I. *Critique of Pure Reason*. Everyman.
 Leibniz, G. W. *Leibniz Selections*. Wiener, P. P. ed. Scribners.
 Locke, J. *An Essay Concerning Human Understanding*. Fontana.
 Mach, E. *The Analysis of Sensations*. Dover.
 Meyerson, E. *Identity and Reality*. Dover.
 Mill, J. S. *John Stuart Mill's Philosophy of Scientific Method*. Nagel, E. ed. Hafner.
 Peirce, C. S. *Essays in the Philosophy of Science*. Liberal Arts Press.
 Poincaré, H. *Science and Hypothesis*. Dover.
 Whewell, W. *William Whewell's Theory of Scientific Method*. Butts, R. E. ed. Pittsburgh U.P.

Secondary Sources

- Ayer, A. J. ed. *Logical Positivism*. Free Press.
 Blake, R. M., Ducasse, C. J. & Madden, E. H. *Theories of Scientific Method*. Washington U.P.
 Buchdahl, G. *Metaphysics and the Philosophy of Science*. Blackwell.
 Copleston, F. *A History of Philosophy*. Vols. IV-VII. Doubleday.
 Kolakowski, L. *Positivist Philosophy: From Hume to the Vienna Circle*. Penguin.
 Kockelmans, J. J. ed. *Philosophy of Science: The Historical Background*. Collier-Macmillan.
 Mill, J. S. *Auguste Comte and Positivism*. Michigan U.P.
 Schilpp, P. A. ed. *Albert Einstein Philosopher-Scientist*. Harper.

Advanced Level units**62.523 Advanced H.P.S. A.**

Prerequisite: Completion of twelve Arts or other approved units, including at least two H.P.S. 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 H.P.S. B.

Prerequisite: Completion of at least two Level I units in mathematics or an approved science. Co-requisite: Advanced H.P.S. A.

To 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 H.P.S. (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 H.P.S. A at Credit Level or better, and for Special Honours completion of 62.523 Advanced H.P.S. A and 62.533 Advanced H.P.S. 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:

I General Subjects

1. Historiography of Science.
2. Honours Philosophy of Science.

II 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

Upper Level units

To enrol in an Upper Level unit in Industrial Relations, a candidate must have passed any four Level I Arts units, and completed any specified prerequisites.

15.522 Industrial Relations IA

Prerequisite: 15.011 or 15.711 or 15.611.

An examination of industrial relations in Australia; the nature, causes and implications of industrial conflict; the structure, development and future of trade unions, employers associations and industrial tribunals within the context of change (economic, political, technological, social, organizational).

PRELIMINARY READING

Child, J. *Unionism and the Labour Movement*. Macmillan, 1971.

Fraser, R. ed. *Work: Twenty Personal Accounts*. Vols. I or II. Pelican, 1968 or 1969.

Portus, J. H. *Australian Compulsory Arbitration 1900-1970*. Hicks Smith, 1971.

TEXTBOOKS

Hyman, P. *Strikes*. Fontana, 1972.

Isaac, J. E. & Ford, G. W. eds. *Australian Labour Relations: Readings*. 2nd ed. Sun Books, 1971.

McCarthy, W. E. J. *Trade Unions: Selected Readings*. Penguin, 1972.

15.542 Industrial Relations IB

Prerequisite: 15.522.

An examination of trends in overseas industrial relations systems and their applicability and relevance to the Australian scene.

TEXTBOOKS

Lane, T. & Roberts, K. *Strike at Pilkingtons*. Fontana, 1971.

Hawkins, K. *Conflict and Change: Aspects of Industrial Relations*. Holt, 1972.

Walker, K. F. *Australian Industrial Relations Systems*. O.U.P., 1970.

15.523 Industrial Relations IIA—Industrial Sociology and Collective Bargaining

Prerequisites: 15.542 and 15.011.

Comprises two seminars each week. The first seminar deals with the sociology of work in industry, commerce and government, and the second with collective bargaining as a comparative study of industrial relations.

TEXTBOOKS

*Faunce, W. A. *Problems of an Industrial Society*. McGraw-Hill, 1968.

*Flanders, A. ed. *Collective Bargaining*. Penguin, 1969

15.543 Industrial Relations IIB—Productivity Bargaining and Industrial Democracy

Prerequisite: 15.523.

Comprises two seminars each week, with emphasis on understanding two increasingly important developments in enterprise level industrial relations. The first seminar deals with productivity bargaining in Britain and Australia and the second with industrial democracy in Europe and Australia.

TEXTBOOKS

*Hunnius, G. G., Garson, D. & Case, J. eds. *Workers' Control: a Reader on Labour and Social Change*. Vintage Books, 1973

*Riach, P. & Howard, W. *Productivity Agreements and Australian Wage Determinations*. Wiley, 1973.

**Worker Participation in Management: Report of the Committee on Worker Participation in Management & Private Sector*. Govt. Printer, Adelaide, 1973.

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.

15.532 Industrial Relations IA

Prerequisite: 15.011.

Includes 15.522 Industrial Relations IA as well as more advanced work on industrial conflict and technological change.

TEXTBOOKS

Faunce, W. A. *Problems of an Industrial Society*. McGraw-Hill, 1968.

Gouldner, A. W. *Wildcat Strike: A Study in Worker-Management Relationship*. Harper Torchbook.

Mesthene, E. G. *Technological Change: Its Impact on Man and Society*. Mentor, 1970.

Myrdal, G. *Objectivity in Social Research*. Duckworth, 1969.

15.552 Industrial Relations IB (Advanced)

Prerequisite: 15.532.

Includes 15.542 Industrial Relations IB as well as more advanced work on specific Australian Industry studies.

TEXTBOOK

Walker, K. F. *Australian Industrial Relations Systems*. 2nd ed. Harvard U.P., 1970

15.583 Industrial Relations IIC (Advanced)

Prerequisites: 15.552 and 15.082 and either 15.042 or 15.062.

The syllabus of 15.523 Industrial Relations IIA as well as more advanced studies and research on industrial societies in a period of multi-dimensional change. In addition candidates must enrol in *one* of the Options listed below.

15.593 Industrial Relations IID (Advanced)

Prerequisite: 15.583.

Covers the syllabus of 15.543 Industrial Relations IIB as well as more advanced study of the theory and case studies of industrial democracy and socio-technical systems. In addition candidates must enrol in *one* of the Options listed below.

Options for students enrolled in 15.583 and 15.593 shall be chosen from the following list:

15.023 Economics IIIB

15.043 Comparative Economic Systems

15.053 Economic Development

14.601 Law in Society

14.762 Industrial Law

12.651 Psychology (Industrial Relations) *

15.534 Industrial Relations IIIA (Arts) } Double unit

15.544 Industrial Relations IIIB (Arts) }

Honours Level units

In order to enrol in an *Honours Level unit*, a candidate must have completed *four* Advanced Level units, 15.532, 15.552, 15.583 and 15.593.

15.534 Industrial Relations IIIA (Arts)

Prerequisites: 15.532, 15.552, 15.583, 15.593 (all Cr.).

15.544 Industrial Relations IIIB (Arts)

Prerequisites: 15.532, 15.552, 15.583, 15.593 (all Cr.)

1. Comparative Labour Systems

2. Labour Problems in Developing Countries

3. Industrial Relations in the Public Sector

4. Case Studies in Industrial Relations

5. Thesis. Honours students in their final year are required to complete a thesis of between 10,000 and 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 Industrial Relations *before* the end of the August Recess in the year *preceding* the candidate's entry into the 7th and 8th sessions of study.

For 1-4 above:

TEXTBOOKS

No set texts. Reading list to be supplied.

* Equivalent to *two* Options.

MATHEMATICS

FIRST YEAR MATHEMATICS

Level I units

10.001 Mathematics I

A first year course in mathematics. 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 H.S.C. 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 LIST

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*. O.U.P.

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.

PRINCIPAL REFERENCE BOOKS

Campbell, H. F. *Matrices with Applications*. Appleton-Century-Crofts.

Cohn, P. M. *Solid Geometry*. Routledge.

Kaplan, W. & Lewis, D. J. *Calculus and Linear Algebra*. Vols 1 & 2. Wiley.

Kelly, G. M. *Introduction to Linear Algebra and Vector Geometry*. Reed Education.

Lange, I. H. *Elementary Linear Algebra*. Wiley.

Pedoe, D. *A Geometric Introduction to Linear Algebra*. Wiley.

Purcell, E. J. *Calculus With Analytic Geometry*. Appleton-Century-Crofts.

Smith, W. K. *Limits and Continuity*. Collier-Macmillan.

Tetra, B. C. *Basic Linear Algebra*. Harper & Row.

Zelinsky, D. *A First Course in Linear Algebra*. Academic.

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 LIST

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.

Reid, C. *From Zero to Infinity*. Routledge.

TEXTBOOKS

Blatt, J. M. *Basic Fortran IV Programming*. Miditran Version. Computer Systems (Aust.).

Shields, P. C. *Elementary Linear Algebra*. 2nd ed. Worth.

Spivak, M. *Calculus*. Benjamin.

PRINCIPAL REFERENCE BOOKS

As for 10.001 plus:

Abraham, R. *Linear and Multilinear Algebra*. Benjamin.

Bellman, R. & Cooke, K. L. *Modern Elementary Differential Equations*. 2nd ed. Addison-Wesley.

Brauer, F. & Nohel, J. *Ordinary Differential Equations*. Benjamin.

Burkhill, J. C. *A First Course in Mathematical Analysis*. C.U.P.

Crowell, R. H. & Williamson, R. E. *Calculus of Vector Functions*. Prentice-Hall.

Hochstadt, H. *Differential Equations*. Holt, Rinehart & Winston.

Lang, S. *Linear Algebra*. Addison-Wesley.

Murdoch, D. C. *Linear Algebra for Undergraduates*. Wiley.

Spivak, M. *Calculus on Manifolds*. Benjamin.

10.021 Mathematics IT

Calculus, analysis, analytic geometry, algebra, probability theory, elementary computing.

NOTE

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 H.S.C. 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*. N.S.W.U.P.

Youse, B. K. & Stalnaker, A. W. *Calculus for the Social and Natural Sciences*. International Textbook Co.

PRINCIPAL REFERENCE BOOKS

Burford, R. L. *Introduction to Finite Probability*. Merrill.

Christian, R. C. *Logic and Sets*. Blaisdell.

Hoyt, J. P. *A Brief Introduction to Probability Theory*. International Text Book Co.

Johnson, W. G. & Zaccaro, L. N. *Modern Introductory Mathematics*. McGraw-Hill.

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.

(i) *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.

(ii) *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 6.601A Introduction to Computing. In third year he should take the Level III units 10.322A, 10.322B, 10.322C and 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 1975.

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.

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

SESSION 1

Tropper, A. M. *Linear Algebra*. Nelson. Paperback.

SESSION 2

Gass, H. *Linear Programming*. I.S.E. McGraw-Hill.

*Tropper, A. M. *Linear Algebra*. Nelson.

PRINCIPAL REFERENCE BOOKS

Hoffman, K. & Kunze, R. *Linear Algebra*. Prentice-Hall.

Lang, S. *Linear Algebra*. Addison-Wesley.

Lipschutz, S. *Linear Algebra*. Schaum.

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.

* Paperback.

TEXTBOOKS

SESSION 1

Kolman, B. & Trench, W. F. *Elementary Multivariable Calculus*. Academic.

SESSION 2

Churchill, R. V. *Complex Variables and Applications*. I.S.E. McGraw-Hill.

PRINCIPAL REFERENCE BOOKS

Hilton, P. J. *Partial Derivatives*. Routledge.

Thomas, G. B. *Calculus and Analytic Geometry*. 4th ed. Addison-Wesley.

10.111C Pure Mathematics II—Algebra and Geometry

Prerequisite: 10.001 or 10.011. Co-requisites: 10.111A, 10.111B, 10.211A.

Abstract Algebra: Euclidean algorithm, unique factorization theorem, mathematical systems, groups, determination of small groups, homomorphisms and normal subgroups. Geometry: elementary concepts of Euclidean, projective and affine geometries.

TEXTBOOKS

SESSION 1

Green, J. A. *Sets and Groups*. Routledge.

SESSION 2

Gans, D. *Transformations and Geometrics*. Appleton-Century-Crofts.

PRINCIPAL REFERENCE BOOKS

Coxeter, H. S. M. *Introduction to Geometry*. Wiley.

Dean, R. A. *Elements of Abstract Algebra*. Wiley.

Jeger, M. *Transformation Geometry*. Allen & Unwin.

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: subgroups, quotient groups, isomorphisms, Lagrange's theorem, Sylow's theorem.

TEXTBOOKS

Clark, A. *Elements of Abstract Algebra*. Wadsworth, 1971.

Hoffman, K. & Kunze, R. *Linear Algebra*. Prentice-Hall.

PRINCIPAL REFERENCE BOOKS

Green, J. A. *Sets and Groups*. Routledge.

Hall, M. *The Theory of Groups*, Macmillan.

Hartley, B. & Hawkes, T. O. *Rings, Modules and Linear Algebra*. Chapman & Hall.

Herstein, I. M., *Topics in Algebra*. Blaisdell.

Lang, S. *Linear Algebra*. W. S. S. Addison-Wesley.

Ledermann, W. *The Theory of Finite Groups*. Oliver & Boyd.

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

Jamieson, G. J. D. *A First Course on Complex Functions*. Chapman-Hall.

PRINCIPAL REFERENCE BOOKS

Derrick, W. *Introductory Complex Analysis*. Academic Press.

Goldberg, R. R. *Methods of Real Analysis*. Blaisdell.

Knopp, K. *Elements of the Theory of Functions*. Dover.

Lang, S. *Calculus of Several Variables*. Addison-Wesley.

Spivak, M. *Calculus*. Benjamin.

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.

TEXTBOOK

Niven, I. & Zuckermann, H. S. *Introduction to the Theory of Numbers*. Wiley.

PRINCIPAL REFERENCE BOOK

Hardy, G. H. & Wright, E. M. *The Theory of Numbers*. O.U.P.

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*. Mditran 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.

PRINCIPAL REFERENCE BOOKS

Betz, H., Burcham, P. B. & Ewing, G. M. *Differential Equations with Applications*. I.S.R. Harper.

Dettman, J. W. *Mathematical Methods in Physics and Engineering*. McGraw-Hill.

Smith, G. D. *Vector Analysis Including the Dynamics of a Rigid Body*. O.U.P.

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.

PRINCIPAL REFERENCE BOOK

Lawden, D. F. *A Course in Applied Mathematics*. Vol. I. English U.P.

10.211C Applied Mathematics II—Hydrodynamics

Prerequisites: 10.001, 1.001. 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

Brenkert, K. J. *Elementary Theoretical Fluid Mechanics*. Wiley.

10.221A Higher Applied Mathematics II—Mathematical Methods

Prerequisite: 10.011.

As for 10.211A, but in greater depth.

TEXTBOOK

Rabenstein, A. L. *Introduction to Ordinary Differential Equations*. International Edition. Academic.

PRINCIPAL REFERENCE BOOKS

Blatt, J. M. *Basic Fortran IV Programming*. Miditran Version. Computer Systems (Aust.).

Dettman, J. W. *Mathematical Methods in Physics and Engineering*. McGraw-Hill.

Queen, N. M. *Vector Analysis*. McGraw-Hill, 1967.

Williamson, R. E., Crowell, R. H. & Trotter, H. F. *Calculus of Vector Functions*. Prentice-Hall.

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.

PRINCIPAL REFERENCE BOOKS

Goldstein, H. *Classical Mechanics*. Addison-Wesley.

Lawden, D. F. *A Course in Applied Mathematics*. English U.P.

10.221C Higher Applied Mathematics II—Hydrodynamics

Prerequisites: 10.011, 1.011. Co-requisite: 10.221A or 10.211A.

As for 10.211C, but in greater depth.

PRINCIPAL REFERENCE BOOKS

Batchelor, G. K. *An Introduction to Fluid Dynamics*. C.U.P.

Curle, N. & Davies, H. J. *Modern Fluid Dynamics*. Vol. 1. Van Nostrand.

Level III units**10.112A Pure Mathematics III—Number Theory and Algebra**

Prerequisite: 10.111A. Co-requisite: 10.111C.

Euclidean algorithm, congruences, sums of squares, diophantine equations, rings, polynomials, fields.

TEXTBOOKS**SESSION 1**

Griffin, H. *Elementary Theory of Numbers*. McGraw-Hill.

Mack, J. M. *Number Theory Notes*. Dept. Pure Maths. Univ. of Sydney.

SESSION 2

Dean, R. A. *Elements of Abstract Algebra*. Wiley.

PRINCIPAL REFERENCE BOOKS

Birkhoff, G. & MacLane, S. *A Survey of Modern Algebra*. Macmillan.

Hardy, G. H. & Wright, E. M. *Introduction to the Theory of Numbers*. O.U.P.

10.112B Pure Mathematics III—Real Analysis

Prerequisite: 10.111B.

Convergence of sequences; Cauchy sequences; \limsup and \liminf ; convergence tests for series; sequences and series of functions; uniform convergence; Taylor and Fourier series; evaluation of integrals and solutions of differential equations via series; Metric spaces; contraction mapping principle and its applications.

TEXTBOOK

Ball, D. G. *An Introduction to Real Analysis*. Pergamon.

PRINCIPAL REFERENCE BOOKS

Goffman, C. *Introduction to Real Analysis*. Harper.

Spivak, M. *Calculus*. Benjamin.

10.112C Pure Mathematics III—Differential Geometry

Prerequisites: 10.111A, 10.111B and 10.211A.

Curves and surfaces in space. Differential forms. Curvature.

TEXTBOOK

O'Neill, B. *Elementary Differential Geometry*. Academic.

PRINCIPAL REFERENCE BOOK

Willmore, T. *Differential Geometry*. O.U.P.

10.112D Pure Mathematics III—Topology and Set Theory

Prerequisite: 10.001 or 10.011. *Co-requisites:* 10.111A, 10.111B, 10.211A.

Cardinal and ordinal numbers. Elementary topology of surfaces.

TEXTBOOKS**SESSION 1**

Gray, J. D. *Lecture Notes on Set Theory and Transfinite Arithmetic*. Author, 1973

Kamke, E. *Theory of Sets*. Dover.

SESSION 2

Frechet, M. & Fan, K. *Initiation to Combinatorial Topology*. Prindle, Weber & Schmidt.

PRINCIPAL REFERENCE BOOKS

Blackett, D. W. *Elementary Topology: A Combinatorial and Algebraic Approach*. Academic.

Wilder, R. L. *Introduction to the Foundations of Mathematics*. Wiley.

10.112E Pure Mathematics III—Complex Analysis and Differential Equations

Prerequisites: 10.111B, 10.211A.

Complex analysis and ordinary differential equations.

TEXTBOOKS**SESSION 1**

Churchill, R. V. *Complex Variables and Applications*. I.S.E. McGraw-Hill.

SESSION 2

Roxin, E. O. *Ordinary Differential Equations*. Wadsworth.

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.

PRINCIPAL REFERENCE BOOK

Lang, S. *Algebra*. Addison-Wesley.

10.122B Higher Pure Mathematics III—Integration and Functional Analysis

Prerequisite: 10.121B.

Lebesgue Integration; Fourier series; normed vector spaces; Hilbert spaces; measure theory.

TEXTBOOK

Epstein, B. *Linear Functional Analysis*. Saunders.

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

Knopp, K. *Theory of Functions. Part II*. Dover.

Roxin, E. O. *Ordinary Differential Equations*. Wadsworth.

PRINCIPAL REFERENCE BOOK

Cartan, H. *Elementary Theory of Analytic Functions of One or Several Complex Variables*. Addison-Wesley.

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. A knowledge of FORTRAN programming is essential.

TEXTBOOK

Conte, S. D. & de Boor, C. *Elementary Numerical Analysis*. 2nd ed. McGraw-Hill.

PRINCIPAL REFERENCE BOOKS

Fike, C. T. *Computer Evaluation of Mathematical Functions*. Prentice-Hall.

Fox, L. & Mayers, D. F. *Computing Methods for Scientists & Engineers*. O.U.P.

Ralston, A. *A First Course in Numerical Analysis*. 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.

PRINCIPAL REFERENCE BOOKS

Birkhoff, G. & Rota, G. *Ordinary Differential Equations*. Ginn & Co.

Carslaw, H. S. & Jaeger, J. C. *Operational Methods in Applied Mathematics*, Dover.

Raven, F. H. *Mathematics of Engineering Systems*. McGraw-Hill.

Schelkunoff, S. A. *Applied Mathematics for Engineers and Scientists*. Van Nostrand.

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. Nonlinear programming. The Kuhn-Tucker theorem. Computational algorithms. Introduction to dynamic programming. Network problems.

TEXTBOOK

Box, M. J. et al. *Nonlinear Optimization Techniques*. Oliver & Boyd, 1969.

10.222A Higher Applied Mathematics III—Numerical Analysis

Prerequisites: 10.221A, 10.121A.

As for 10.212A but in greater depth.

PRINCIPAL REFERENCE BOOKS

As for 10.212A, plus:

Hildebrand, F. B. *Introduction to Numerical Analysis*. 2nd ed. McGraw-Hill.

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.

TEXTBOOK

Jackson, J. D. *Classical Electrodynamics*. Wiley.

PRINCIPAL REFERENCE BOOKS

Argence, E. & Kahan, T. *Theory of Waveguides & Resonators*. Blackie.

Becker, R. *Electromagnetic Fields and Interactions*. Vol. 1. Blackie.

Einstein, A. et al. *The Principle of Relativity*. Dover.

Moller, C. *The Theory of Relativity*. O.U.P.

Panofsky, W. K. H. & Phillips, M. *Classical Electricity and Magnetism*. Addison-Wesley.

Pauli, W. *Theory of Relativity*. Pergamon.

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.

PRINCIPAL REFERENCE BOOKS

Carrier, G. F., Krook, M. & Pearson, C. E. *Functions of a Complex Variable: Theory and Technique*. McGraw-Hill.

Courant, R. & Hilbert, D. *Methods of Mathematical Physics*. Vol. 1. Interscience.

*Lighthill, M. J. *Fourier Analysis and Generalised Functions*. C.U.P.

Whittaker, E. T. & Watson, G. N. *A Course in Modern Analysis*. C.U.P.

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.

PRINCIPAL REFERENCE BOOKS

Landau, L. D. & Lifshitz, E. M. *Quantum Mechanics*. Pergamon.

Messiah, A. *Quantum Mechanics*. Vols. 1 & 2. North-Holland.

Shiff, L. I. *Quantum Mechanics*. 3rd ed. International Students' Ed. McGraw-Hill.

10.222L Higher Applied Mathematics III—Optimization Techniques

Prerequisites: 10.221A, 10.121A, 10.121B.

As for 10.212L but in greater depth.

TEXTBOOK

Cooper, L. & Steinberg, D. *Introduction to Methods of Optimization*. Saunders.

PRINCIPAL REFERENCE BOOK

Box, M. J. et al. *Nonlinear Optimization Techniques*. Oliver & Boyd.

* Paperback.

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.

PRINCIPAL REFERENCE BOOKS

Defant, A. *Physical Oceanography*. Vols. I & II. Pergamon Press, 1960.

Neumann, G. & Pierson, W. J. *Principles of Physical Oceanography*. Prentice-Hall.

Pickard, G. L. *Descriptive Physical Oceanography*. Pergamon.

10.412B Theoretical Mechanics III—Continuum Mechanics

Prerequisites: 10.211A, 10.211B, 10.211C, 10.111A, 10.111B.

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).

PRINCIPAL REFERENCE BOOKS

Long, R. L. *Mechanics of Solids and Fluids*. Prentice-Hall.

Mase, G. E. *Continuum Mechanics*. Schaum.

10.422A Higher Theoretical Mechanics III—Fluid Dynamics

Prerequisites: 10.211A, 10.221C, 10.111B. It is recommended that 10.422B be taken concurrently.

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.

PRINCIPAL REFERENCE BOOK

Landau, L. D. & Lifshitz, E. M. *Fluid Mechanics*. Pergamon.

10.422B Higher Theoretical Mechanics III—Mechanics of Solids

Prerequisites: 10.111A, 10.111B, 10.221A, 10.221B, 10.221C.

As for 10.412B but in greater depth.

PRINCIPAL REFERENCE BOOKS

Fung, Y. C. *A First Course in Continuum Mechanics*. Prentice-Hall.

Landau, L. D. & Lifshitz, E. M. *Theory of Elasticity*. Pergamon.

10.123 Pure Mathematics IV (Honours)

Specialized study in selected topics for students planning to graduate with honours.

For textbooks, see lecturers concerned.

* Paperback.

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. Variates (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.

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.

PRINCIPAL REFERENCE BOOKS

Hartley, H. O. & Pearson, E. S. *Biometrika Tables for Statisticians*. C.U.P.

Parzen, E. *Modern Probability Theory and Its Applications*. Wiley.

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 Probability and Statistical Inference*. 2nd ed. Wiley.

Mood, A. M., Graybill, F. A. & Boes, D. C. *Introduction to the Theory of Statistics*. 3rd ed. McGraw-Hill.

Statistical Tables.

PRINCIPAL REFERENCE BOOKS

Anderson, R. L. & Bancroft, T. A. *Statistical Theory in Research*. McGraw-Hill.

Hartley, H. O. & Pearson, E. S. *Biometrika Tables for Statisticians*. C.U.P.

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.
Statistical Tables.

PRINCIPAL REFERENCE BOOKS

- As for 10.311A, plus:
Lukacs, E. *Probability and Mathematical Statistics*. Academic.

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.
Mood, A. M., Graybill, F. A. & Boes, D. C. *Introduction to the Theory of Statistics*. 3rd ed. McGraw-Hill.
Statistical Tables.

PRINCIPAL REFERENCE BOOKS

As for 10.311B.

10.331 Statistics SS

Prerequisite: 10.001 or 10.011 or 10.021 (Cr.).

An introduction to 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. An introduction to 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.
Statistical Tables.

PRINCIPAL REFERENCE BOOKS

- Bennett, C. A. & Franklin, N. L. *Statistical Analysis in Chemistry and the Chemical Industry*. Wiley.
Davies, O. L. *Statistical Methods in Research and Production*. Oliver & Boyd.
Steel, R. G. D. & Torrie, J. H. *Principles and Procedures of Statistics*. McGraw-Hill.

10.312A Theory of Statistics III—Stochastic Processes and Applications

Prerequisites: 10.311A or 10.321A, 10.111A or 10.121A, 10.111B or 10.121B, 10.211A or 10.221A.

Conditional expectations, generating functions, branching processes, finite Markov chains, introduction to finite-state space Markov processes in continuous time, applications of stochastic processes in genetics.

TEXTBOOK

Bailey, N. T. J. *Elements of Stochastic Processes with Application to the Natural Sciences*. Wiley.

PRINCIPAL REFERENCE BOOKS

Feller, W. *An Introduction to Probability Theory and its Applications*. Vol I. Wiley.

Ross, S. M. *Introduction to Probability Models*. Academic.

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, analyses of fully randomised and randomised block designs, factorial treatment structure, components of variance, multiple comparisons; finite populations, simple random sampling, stratified random sampling, optimum allocation, estimation of sample size.

PRINCIPAL REFERENCE BOOKS

Brownlee, K. A. *Statistical Theory & Methodology in Science & Engineering*. 2nd ed. Wiley.

Cochran, W. G. *Sampling Techniques*. Wiley.

Cochran, W. G. & Cox, G. M. *Experimental Designs*. I.S.E. Wiley.

Cox, D. R. *Planning of Experiments*. Wiley.

Davies, O. L. ed. *Design and Analysis of Industrial Experiments*. 2nd ed. Oliver & Boyd.

10.312C Theory of Statistics III—Experimental Design (Theory) and Project

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, Applied Mathematics, or Theoretical Mechanics units.

Multivariate normal distribution, quadratic forms, multiple regression, theory of the general linear hypothesis and its application to experimental designs.

TEXTBOOK

Graybill, F. A. *An Introduction to Linear Statistical Models*. McGraw-Hill.

PRINCIPAL REFERENCE BOOK

Anderson, T. W. *An Introduction to Multivariate Statistical Analysis*. Wiley.

10.312D Theory of Statistics III—Probability Theory and Contingency Tables

Prerequisites: 10.311A or 10.321A, 10.111A or 10.121A, 10.111B or 10.121B, 10.211A or 10.221A.

Characteristic functions, convergence of probability distributions, the central limit theorem, expansions related to the normal distributions, extreme value distributions; general theory of the 2 x 2 contingency table, χ^2 test and exact test, m x n contingency table subdivision of χ^2 .

TEXTBOOK

Heathcote, C. R. *Probability: Elements of the Mathematical Theory*. Allen & Unwin.

PRINCIPAL REFERENCE BOOKS

Kendall, M. G. & Stuart, A. *The Advanced Theory of Statistics*. Vol. 2. 2nd ed. Griffin.

Lamperti, J. *Probability*. Benjamin.

10.322A Higher Theory of Statistics III—Stochastic Processes and Applications

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

Cox, D. R. & Miller, H. D. *The Theory of Stochastic Processes*. Methuen.
Karlin, S. A. *A First Course in Stochastic Processes*. Academic.

PRINCIPAL REFERENCE BOOKS

As for 10.312A, plus

Bailey, N. J. T. *Elements of Stochastic Processes with Applications to the Natural Sciences*. Wiley.

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.

TEXTBOOKS

Cochran, W. G. & Cox, G. M. *Experimental Designs*. I.S.E. Wiley.
Statistical Tables.

PRINCIPAL REFERENCE BOOKS

Brownlee, K. A. *Statistical Theory and Methodology in Science & Engineering*. 2nd ed. Wiley.

Cochran, W. G. *Sampling Techniques*. Wiley.

Cox, D. R. *Planning of Experiments*. Wiley.

Davies, O. L. ed. *Design and Analysis of Industrial Experiments*. 2nd ed. Oliver & Boyd.

10.322C Higher Theory of Statistics III—Experimental Design (Theory) and Project

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, Applied Mathematics or Theoretical Mechanics units.

As for 10.312C, but in greater depth.

TEXTBOOK

As for 10.312C.

PRINCIPAL REFERENCE BOOKS

As for 10.312C plus:

Rao, C. R. *Linear Statistical Inference and its Applications*. 2nd ed. Wiley.

10.322D Higher Theory of Statistics III—Probability Theory and Contingency Tables

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.

PRINCIPAL REFERENCE BOOKS

As for 10.312D, plus:

Chung, K. L. *A Course in Probability Theory*. Harcourt, Brace & World.

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

Anderson, T. W. *Multivariate Statistical Analysis*. Wiley.

Box, G. E. P. & Jenkins, G. *Time Series Analysis, Forecasting and Control*. Holden-Day.

Cox, D. R. & Smith, W. *Queues*. Methuen.

Cramer, H. & Leadbetter, M. R. *Stationary and Related Stochastic Processes*. Wiley.

Feller, W. *An Introduction to Probability Theory and Its Applications*. Vol. 2. 3rd ed. International Students' Ed. Wiley.

Fisher, R. A. *Statistical Methods and Scientific Inference*. Oliver & Boyd.

Graybill, F. A. *An Introduction to Linear Statistical Models*. McGraw-Hill.

Hartley, H. O. & Pearson, E. S. *Biometrika Tables for Statisticians*. Vol. 1. C.U.P.

Jenkins, G. M. & Watts, D. G. *Spectral Analysis and its Applications*. Holden-Day.

John, P. W. M. *Statistical Design and Analysis of Experiments*. Macmillan.

Kempthorne, O. *The Design and Analysis of Experiments*. Wiley.

- Searle, S. R. *Linear Models*. Wiley.
Wald, A. *Sequential Analysis*. Wiley.

PRINCIPAL REFERENCE BOOKS

- Bradley, J. V. *Distribution-free Statistical Tests*. Prentice-Hall.
Cochran, M. G. *Sampling Techniques*. Wiley.
Cochran, W. G. & Cox, G. M. *Experimental Designs*. Wiley.
Ferguson, T. S. *Mathematical Statistics, A Decision Theoretic Approach*. Academic.
Fraser, D. A. S. *The Structure of Inference*. Wiley.
Ghosh, B. K. *Sequential Tests of Statistical Hypotheses*. Addison-Wesley.
Godambe, V. P. & Sprott, D. A. *Foundations of Statistical Inference*. Holt, Rinehart & Winston.
Kendall, M. G. & Stuart, A. *The Advanced Theory of Statistics*. Vol. II: 2nd ed. Griffin.
Lancaster, H. O. *The Chi-squared Distribution*. Wiley.
Lehmann, E. L. *Tests of Hypotheses*. Wiley.
Moran, P. A. P. *An Introduction to Probability Theory*. O.U.P.
Noether, G. E. *Elements of Non-parametric Statistics*. Wiley.
Raiffa, H. & Schlaifer, R. *Applied Statistical Decision Theory*. M.I.T.
Rao, C. R. *Advanced Statistical Methods in Biometric Research*. Wiley.
Sarhan, A. E. & Greenberg, B. G. *Contributions to Order Statistics*. Wiley.
Scheffe, H. *The Analysis of Variance*. Wiley.
Seal, H. *Multivariate Statistical Analysis for Biologists*. Methuen.
Wald, A. *Statistical Decision Functions*. Wiley.
Wetherill, G. B. *Sequential Methods in Statistics*. Methuen.
Yaglom, A. M. *An Introduction to the Theory of Stationary Random Functions*. Prentice-Hall.

PHILOSOPHY

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.

Philosophy students at Level I normally take the two units Introductory Philosophy A and Introductory Philosophy B, and the first of these units is normally regarded as prerequisite to the second. These two units are intended to give a broad introduction to the subject for those who have no previous acquaintance with it.

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, either at Level I or at Upper or Advanced Level, 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 Introductory Philosophy B. 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 Introductory Philosophy A and B 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 Philosophy 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.

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.

The half-units in political philosophy offered are Introduction to Political Philosophy, Ethics of Politics, Philosophical Foundations of Marx's Thought, and Twentieth Century Marxist Philosophy.

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

52.101 Introductory Philosophy A

A first course for students new to the subject. The course divides into two parts.

1. Plato

A study of some dialogues of Plato, with special attention to Socratic Definition and to Plato's Theory of Forms.

TEXTBOOK

Plato. *The Last Days of Socrates*. Tredennick, H. trans. Penguin Classics.

PRINCIPAL REFERENCE BOOKS

Passmore, J. *Philosophical Reasoning*. Duckworth.

Vlastos, G. ed. *Plato: I. Metaphysics and Epistemology*. Macmillan.

Vlastos, G. ed. *The Philosophy of Socrates*. Macmillan.

2. *Informal Logic*

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.

PRINCIPAL REFERENCE BOOKS

Hamblin, C. L. *Elementary Formal Logic—A Programmed Course*. Hicks Smith and University Paperbacks.

Hospers, J. *Introduction to Philosophical Analysis*. 2nd ed. Prentice-Hall or Routledge, 1967.

Taylor, D. M. *Explanation and Meaning*. C.U.P.

52.102 Introductory Philosophy B

Prerequisite: 52.101, or, with permission of the School, a suitable record in other units.

A continuation of the Session I introductory course, in two parts:

1. *Hume*

A study of some 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.

PRINCIPAL REFERENCE BOOKS

Ayer, A. J. *The Concept of a Person*. Macmillan.

Berofsky, B. *Free Will and Determinism*. Harper & Row.

Flew, A. *Hume's Philosophy of Belief*. Routledge.

Flew, A. *Body, Mind and Death*. Macmillan.

Hick, J. *The Existence of God*. Macmillan.

Sesonske, A. *Human Understanding*. Wadsworth.

Smart, N. *Philosophers and Religious Truth*. S.C.M.

Taylor, D. M. *Explanation and Meaning*. C.U.P.

2. *Formal Logic*

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.

Upper Level units

52.153 Predicate Logic

Prerequisite: 52.102.

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.

PRINCIPAL REFERENCE BOOK

Church, A. *Introduction to Mathematical Logic*. Princeton Univ.

52.163 Descartes

Prerequisite: 52.102.

A study of 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's Philosophical Writings*. Nelson.

PRINCIPAL REFERENCE BOOKS

Beck, L. J. *The Metaphysics of Descartes*. Clarendon.

Butler, R. J. ed. *Cartesian Studies*. Blackwell.

Copleston, F. *A History of Philosophy*. Vol. 4. Doubleday.

Doney, W. ed. *Descartes: A Collection of Critical Essays*. Doubleday.

Keeling, S. V. *Descartes*. O.U.P.

Kenny, A. *Descartes: A Study of His Philosophy*. Random House.

Magnus, B. & Wilbur, J. B. eds. *Cartesian Essays*. Nijhoff.

52.173 British Empiricism

Prerequisite: 52.102.

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.

PRINCIPAL REFERENCE BOOKS

Lists given in lectures.

* Paperback.

52.183 Greek Philosophy: Thales to Plato

Prerequisites: 52.101, 52.102.

The leading ideas of the Greek philosophers from Thales to Plato, with special reference to the Pre-Socratics.

PRINCIPAL REFERENCE BOOKS

Aristotle. *The Works of Aristotle Translated into English*. Vol. VIII. *Metaphysics*. O.U.P.

Guthrie, W. K. C. *A History of Greek Philosophy*. Vols. I & II. C.U.P.

Burnet, J. *Early Greek Philosophy*. Black.

Cornford, F. M. *From Religion to Philosophy*. Harper.

Furley, D. J. & Allen, R. E. eds. *Studies in Presocratic Philosophy*. Vols. I and II. Routledge.

Kahn, C. H. *Anaximander and the Origins of Greek Cosmology*. Columbia U.P.

Kirk, G. S. & Raven, G. E. *The Pre-Socratic Philosophers*. C.U.P.

52.193 Scientific Method

Not offered in 1975.

Prerequisite: 52.102.

A study of 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*. O.U.P.

PRINCIPAL REFERENCE BOOKS

Dray, W. H. *Laws and Explanation in History*. O.U.P.

Hempel, C. G. *Aspects of Scientific Explanation*. Free Press.

Kuhn, T. S. *The Structure of Scientific Revolutions*. Chicago U.P.

Nagel, E. *The Structure of Science*. Routledge.

Popper, K. R. *The Logic of Scientific Discovery*. Hutchinson.

Ryan, A. *The Philosophy of the Social Sciences*. Macmillan.

Scheffler, I. *The Anatomy of Inquiry*. Knopf.

52.203 Introduction to Political Philosophy

Prerequisite: 52.102.

A survey course introducing students to the main themes of modern political and social thought with special emphasis on philosophical issues.

PRINCIPAL REFERENCE BOOKS

Bottomore, T. B. & Rubel, M. eds. *Karl Marx, Selected Writings in Sociology and Social Philosophy*. Penguin, 1963.

Burke, E. *Reflections on the Revolution in France*. Any edition.

Friedrich, C. J. *The Philosophy of Law in Historical Perspective*. Chicago U.P., 1963.

Hobbes, T. *The Leviathan*. Penguin, 1972.

Locke, J. *The Second Treatise on Government*. Any edition.

McDonald, L. C. *Western Political Theory*. Harcourt, Brace, 1968.

McFarlane, L. J. *Modern Political Thought*. Nelson, 1970.

Mill, J. S. *On Liberty*. Any edition.

- Mill, J. S. *Utilitarianism, Liberty and Representative Government*. Dent, 1964.
 Parekh, B. ed. *Bentham's Political Thought*. Crook Helm, London, 1973.
 Plamenatz, J. *Man and Society*. Vols. 1 & 2. Longman, 1963.
 Rousseau, J. J. *The Social Contract*. Any edition.
 Thomson, D. ed. *Political Ideas*. Watts, London, 1966.

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.

PRINCIPAL REFERENCE BOOKS

- Desan, W. *The Tragic Finale*. Harper & Row.
 Molina, F. *Existentialism as Philosophy*. Prentice-Hall.
 Murdock, I. *Sartre*. Bowes & Bowes.
 Sartre, J.-P. *Being and Nothingness*. Methuen.
 Sartre, J.-P. *The Problem of Method*. Methuen.
 Sartre, J.-P. *Saint Genet*. Braziller, 1971.
 Sartre, J.-P. *The Transcendence of the Ego*. Williams, F. & Kirkpatrick, R. trans. Noonday Press.
 Sartre, J.-P. *Imagination: A Psychological Critique*. Williams, F. trans. Michigan U.P.
 Sartre, J.-P. *Nausea*. Baldick, R. trans. Penguin.
 Sartre, J.-P. *Sketch for a Theory of the Emotions*. Mairet, P. trans. Methuen.
 Sartre, J.-P. *Intimacy*. Alexander, L. trans. Panther Books.
 Sartre, J.-P. *The Psychology of the Imagination*. Frechtman, B. trans. Rider.
 Sartre, J.-P. *Two Plays. (The Flies, In Camera)*. Gilbert, S. trans. Hamish Hamilton.
 Sartre, J.-P. *Three Plays*. Hamish Hamilton.
 Sartre, J.-P. *Literary and Philosophical Essays*. Michielson, A. trans. Rider.
 Sartre, J.-P. *Portrait of an Anti-Semite*. de Mauny, E. trans. Secker & Warburg.
 Warnock, M. *The Philosophy of Sartre*. Hutchinson Uni. Library.

52.223 Foundations of Mathematics

Prerequisite: 52.153.

An introduction to 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.

PRINCIPAL REFERENCE BOOKS

- Benacerraf, P. & Putnam, H. *Philosophy of Mathematics*. Prentice-Hall.
 Blanche, R. *Axiomatics*. Routledge.
 Fraenkel, A. A. & Bar-Hillel, Y. *Foundations of Set Theory*. North-Holland.
 Kleene, S. C. *An Introduction to Meta-mathematics*. Princeton.

Korner, S. *The Philosophy of Mathematics*. Hutchinson.

Mendelson, E. *Mathematical Logic*. Van Nostrand.

Nagel, E. & Newman, J. R. *Gödel's Proof*. N.Y.U.P. or Routledge.

52.233 Argument

Prerequisite: 52.102.

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.

PRINCIPAL REFERENCE BOOKS

Edgley, R. *Reason in Theory and Practice*. Hutchinson, 1969.

Hamblin, C. L. *Fallacies*. Methuen.

Passmore, J. A. *Philosophical Reasoning*. Duckworth.

Perelman, C. & Olbrechts-Tyteca, L. *The New Rhetoric: A Treatise on Argumentation*. University of Notre Dame, 1969.

Quine, W. V. O. & Ullian, J. S. *The Web of Belief*. Random House, New York, 1970.

52.243 Logical Atomism

Prerequisite: 52.102.

A survey of 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.

PRINCIPAL REFERENCE BOOKS

Lists given in lectures.

52.253 Philosophy of Biology

Prerequisite: Introductory Philosophy A and B.

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.

PRINCIPAL REFERENCE BOOKS

Beckner, M. *The Biological Way of Thought*. Columbia U.P.

Agar, W. E. *A Contribution to the Theory of Living Organisms*. Melbourne U.P. and C.U.P.

Bertalanffy, L. von. *Problems of Life*. Watts & Co.

- Bertalanffy, L. von. *Modern Theories of Development*. O.U.P.
 Braithwaite, R. B. *Scientific Explanation*. C.U.P.
 Haldane, J. S. *Mechanism, Life and Personality*. Murray.
 Haldane, J. S. *The Philosophical Basis of Biology*. Hodder & Stoughton.
 Lillie, R. S. *General Biology and Philosophy of Organism*. Chicago U.P.
 Schubert-Soldern, R. *Mechanism and Vitalism: Philosophical Aspects of Biology*. Notre Dame U.P.
 Russell, E. S. *The Directiveness of Organic Activities*. C.U.P.
 Sommerhoff, G. *Analytical Biology*. O.U.P.
 Tinbergen, N. *The Study of Instinct*. O.U.P.
 Woodger, J. H. *Biological Principles*. Routledge.
 Woodger, J. H. *Biology and Language*. C.U.P.

52.263 Philosophy of Psychology

Not offered in 1975.

Prerequisite: 52.193.

A critical examination of some aspects of fundamental theory of psychology, with special emphasis on classical and contemporary behaviourism and behaviourist orientated psychology, and on the general conceptions of 'behaviour' and 'purpose'.

While Psychology I is not a prerequisite for this course, a preparatory survey of the introductory chapters of J. O. Whittaker's *Psychology* will be of value to students.

TEXTBOOK

Fodor, J. A. *Psychological Explanation*. Random House, 1968.

52.273 Aesthetics

Not offered in 1975.

Prerequisite: 52.102.

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.

PRINCIPAL REFERENCE BOOKS

- Coleman, F. J. ed. *Contemporary Studies in Aesthetics*. McGraw-Hill.
 Elton, W. ed. *Aesthetics and Language*. O.U.P.
 Gombrich, E. H. *Art and Illusion*. Phaidon.
 Langer, S. K. *Problems of Art*. Scribners, N.Y.
 Tiltman, F. & Cahn, S. eds. *Philosophy of Art and Aesthetics*. Harper & Row.
 Wollheim, R. *Art and Its Objects*. Harper & Row.

52.283 Oppression and Liberation

Prerequisite: 52.102.

A discussion of oppression and liberation, both in general and with special reference to the oppression of women and its ideology.

PRINCIPAL REFERENCE BOOKS

- Bateson, G. *Steps to an Ecology of Mind*. Ballantine Books, N.Y., 1972.
- Cooper, D. ed. *The Dialectics of Liberation*. Penguin, 1969.
- de Beauvoir, S. *The Second Sex*. Penguin, 1972.
- Firestone, S. *The Dialectic of Sex*. Paladin, 1972.
- Freire, P. *Cultural Action for Freedom*. Penguin, 1969.
- Freire, P. *Pedagogy of the Oppressed*. Penguin, 1970.
- Freud, S. *Fragment of an Analysis of a case of hysteria*. Standard edition of complete psychological works, vol. 7. Hogarth, 1953-66.
- Freud, S. *On the Sexual Theories of Children*. Standard edition, vol. 9. Hogarth, 1953-66.
- Freud, S. *Some Psychical Consequences of the Anatomical Distinction between Sexes*. Standard edition, vol. 19. Hogarth, 1953-66.
- Freud, S. *The Ego and the Id*. Standard edition, vol. 19. Hogarth, 1953-66.
- Freud, S. *Repression*. Standard edition, vol. 14. Hogarth, 1953-66.
- Freud, S. *The Unconscious*. Standard edition, vol. 14. Hogarth, 1953-66.
- Freud, S. *Three Essays on the Theory of Sexuality*. Standard edition, vol. 7. Hogarth, 1953-66.
- Friedan, B. *The Feminine Mystique*. Penguin, 1972.
- Hegel, G. W. F. *The Phenomenology of Mind*. Allen & Unwin, 1967.
- Jenness, L. ed. *Feminism and Socialism*. Pathfinder Press, 1972.
- Koedt, A. ed. *Radical Feminism*. Quadrangle, 1973.
- Kollontai, A. *Communism and the Family*. Pluto Press, London, 1971.
- Laing, R. D. *The Politics of the Family*. Tavistock, 1971.
- Laing, R. D. & Cooper, D. *Reason and Violence*. Tavistock, 1964. Paperback.
- Lefebvre, H. *The Sociology of Marx*. Penguin, 1972.
- Marcuse, H. *Five Lectures*. Beacon Press, 1970.
- Marx, K. *Capital*. Vol. 1. Moscow, 1958.
- Marx, K. & Engels, F. *The German Ideology*. Progress Publishers, Moscow, 1964.
- Marx, K. & Engels, F. *Selected Works*. Lawrence & Wishart, 1970.
- Millett, K. *Sexual Politics*. Doubleday, 1970.
- Mitchell, J. *Woman's Estate*. Penguin, 1971.
- Mitchell, J. *Psychoanalysis and Feminism*. Allen Lane, 1974.
- Rieff, P. *Freud*. Gollancz. London, 1959.
- Rowbotham, S. *Women, Resistance and Revolution*. Allen Lane, 1972.
- Sartre, J.-P. *The Problem of Method*. Methuen.
- Sartre, J.-P. *Saint Genet. Actor and Martyr*. Braziller, U.S.A., 1971.
- Salper, R. ed. *Female Liberation*. Knopf, 1973.
- Szasz, T. *The Myth of Mental Illness*. Paladin, 1972.
- Tanner, L. B. ed. *Voices from Women's Liberation*. Signet, 1971.
- Wandor, M. ed. *The Body Politic*. Stage 1, London, 1972.

52.293 Plato

Prerequisite: 52.183.

A course centred around some of the later dialogues of Plato (*Parmenides*, *Theaetetus*, *Sophist*).

TEXTBOOK

Plato. *Parmenides and Other Dialogues*. Everyman.

PRINCIPAL REFERENCE BOOKS

- Allen, R. E. *Studies in Plato's Metaphysics*. Routledge.
- Cornford, F. M. *Plato's Theory of Knowledge*. Routledge.
- Mathews, G. *Plato's Epistemology*. Faber.
- Vlastos, G. ed. *Plato. Vol. I. Metaphysics and Epistemology*. Macmillan.

52.303 Spinoza and Leibniz

Not offered in 1975.

Prerequisite: 52.163.

A study of 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.

PRINCIPAL REFERENCE BOOKS

Alexander, H. G. ed. *The Leibniz-Clarke Correspondence*. Manchester U.P.
Copleston, F. *A History of Philosophy*. Vol. 4. Doubleday.
Curley, E. M. *Spinoza's Metaphysics: An Essay in Interpretation*. Harvard U.P.
Frankfurt, H. G. ed. *Leibniz: A Collection of Critical Essays*. Doubleday.
Hampshire, S. *Spinoza*. Pelican.
Kashap, S. P. ed. *Studies in Spinoza*. California U.P.

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.

PRINCIPAL REFERENCE BOOKS

Bernays, P. & Fraenkel, A. A. *Axiomatic Set Theory*. North Holland.
Fraenkel, A. A. *Abstract Set Theory*. North Holland.
Fraenkel, A. A. & Bar-Hillel, Y. *Foundations of Set Theory*. North Holland.
Halmos, P. *Naive Set Theory*. Van Nostrand.
Kalish, D. & Montague, R. *Logic: Techniques of Formal Reasoning*. Harcourt, Brace & World.
Quine, W. V. *Set Theory and Its Logic*. Harvard U.P.
Russell, B. *Introduction to Mathematical Philosophy*. Allen & Unwin.
Sierpinski, W. *Cardinal and Ordinal Numbers*. Polish Scientific Publishers.

52.333 Philosophy of Perception

Not offered in 1975.

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.

TEXTBOOK

There is no set text, but each student should, in consultation with the lecturer, select at least one of the reference books for especially close reading.

PRINCIPAL REFERENCE BOOKS

- Armstrong, D. M. *Perception and the Physical World*. Routledge.
 Austin, J. L. *Sense and Sensibilia*. O.U.P.
 Ayer, A. J. *The Foundations of Empirical Knowledge*. Macmillan.
 Hirst, R. J. *The Problems of Perception*. Allen & Unwin.
 Mill, J. S. *An Examination of Sir William Hamilton's Philosophy*. Longman.
 Moore, G. E. *Some Main Problems of Philosophy*. Allen & Unwin.
 Price, H. H. *Perception*. Methuen.
 Schilpp, P. A. *The Philosophy of G. E. Moore*. Northwestern U.P.
 Warnock, G. J. *The Philosophy of Perception*. O.U.P.

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. Paperback.

PRINCIPAL REFERENCE BOOKS

- Armstrong, D. M. *The Materialist Theory of Mind*. Routledge.
 Ayer, A. *The Concept of a Person*. Macmillan.
 Castaneda, H. N. ed. *Intentionality, Minds and Perception*. Wayne State U.P., 1967.
 Chisholm, R. M. *Realism and the Background of Phenomenology*. Free Press.
 Dennett, D. C. *Content and Consciousness*. Routledge.
 Malcolm, N. *Knowledge and Certainty: Essays and Lectures*. Prentice-Hall.
 Pitcher, G. ed. *Wittgenstein: The Philosophical Investigations*. Doubleday.
 Presley, C. F. *The Identity Theory of Mind*. Queensland U.P.
 Royal Institute of Philosophy Lectures. Vol. 1. 1966-67. *The Human Agent*. Macmillan.
 Shoemaker, S. *Self-knowledge and Self-Identity*. Ithaca.
 Strawson, P. F. *Individuals: An Essay in Descriptive Metaphysics*. Methuen.
 Taylor, C. *The Explanation of Behaviour*. Routledge.
 White, A. R. *Philosophy of Action*. O.U.P.
 Wisdom, J. *Other Minds*. Blackwell.
 Wittgenstein, L. *Philosophical Investigations*. Blackwell.
 Wittgenstein, L. *The Blue and Brown Books*. Blackwell.

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*. O.U.P.

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, 1970.
Wittgenstein, L. *Philosophical Investigations*. Blackwell.

52.373 Philosophical Foundations of Marx's Thought

Not offered in 1975.

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: 52.353.

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*. O.U.P.

PRINCIPAL REFERENCE BOOKS

Aristotle. *Works of Aristotle Translated into English*. Ross, Sir David ed. O.U.P.

Bochenski, V. M. *A History of Formal Logic*. Thomas, I. trans. Notre Dame U.P.

Copi, I. M. & Gould, J. A. eds. *Readings in Logic*. Collier.

- Gautama. *Nyayasutras*. Jha, G. ed. Poona Oriental Book Agency.
 Hamblin, C. L. *Fallacies*. Methuen.
 Kretzmann, N. trans. *William of Sherwood's "Introduction to Logic."*
 Minnesota U.P.

52.403 Model Theory

Prerequisite: 52.323.

An introduction to 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.

PRINCIPAL REFERENCE BOOKS

- Church, A. *Introduction to Mathematical Logic*. Princeton.
 Kleene, S. C. *Introduction to Metamathematics*. Princeton.
 Quine, W. V. *Mathematical Logic*. Harvard.
 Suppes, P. *Axiomatic Set Theory*. Van Nostrand.
 Tarski, A. *Logic, Semantics, Metamathematics*. O.U.P.

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 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, as an alternative to 52.3600 Reading Option.

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 1975 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.*).

PHYSICS

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

Bueche, F. *Introduction to Physics for Scientists and Engineers*. McGraw-Hill.

PRINCIPAL REFERENCE BOOKS

Ference, M., Lemon, H. & Stephenson, R. J. *Analytical Experimental Physics*. Chicago U.P.

Halliday, D. & Resnick, R. *Physics for Students of Science and Engineering*. Vols. I & II or combined volume. Wiley.

Wiedner, R. T. V. & Sells, R. L. *Elementary Classical Physics*. Vols. I & II. Allyn & Bacon.

1.011 Higher Physics I

Prerequisite: Science Faculty Entrance.

Kinematics—Non-uniformly accelerated systems. Centripetal acceleration. Laws of motion. Momentum. Impulse. Potential and kinetic energy. Power. Conditions of equilibrium. Elasticity. Young's bulk and shear moduli. Poisson's ratio. Strain energy. Hydrodynamics, Bernoulli's equation. Motion in resistive medium. Moments of inertia. Rotational dynamics. Simple harmonic motion. Pendulums. Motion about free axis. Progressive and stationary waves. Energy current. Superposition of waves. Doppler effect. Resonance. Huygen's principle. Reflection, refraction, interference and diffraction of waves. Electromagnetic spectrum. Polarization.

Electrostatics—Gauss' theorem. Electric intensity. Capacitance. Electromagnetism. Biot-Savart and Ampere's circuital laws. Force on moving charge and on conductor. Torque on coil. D.C. instruments. Electromagnetic induction. Faraday's and Lenz's laws. Self and mutual inductance. D.C. circuits. Kirchhoff's rules and Thevenin's theorem. Growth and decay of current. A.C. circuits. Resonance. Diode. Triode. Amplifiers and oscillators. Electronic measuring instruments.

TEXTBOOKS

Halliday, D. & Resnick, R. *Physics for Students of Science and Engineering*. Vols. I & II or combined volume. Wiley.

Russell, G. J. & Mann, K. *Alternating Current Circuit Theory*. N.S.W.U.P.

Spiegel, M. R. *Theory and Problems of Theoretical Mechanics*. Schaum.

PRINCIPAL REFERENCE BOOKS

Brophy, J. J. *Basic Electronics for Scientists*. McGraw-Hill. Paperback.

Feynman, R. P., Leighton, R. B. & Sands, M. *The Feynman Lectures on Physics*. Vols. I & II. Addison-Wesley.

Tomboulia, D. H. *Electric and Magnetic Fields*. Harcourt, Brace & World, 1965.

Upper Level 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

Reitz, J. R. & Milford, F. J. *Foundation of Electromagnetic Theory*. 2nd ed. Addison-Wesley.

PRINCIPAL REFERENCE BOOKS

Schwarz, W. M. *Intermediate Electromagnetic Theory*. Wiley, 1964.

Whitmer, R. M. *Electromagnetics*. 2nd ed. Prentice-Hall, 1963.

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

Beiser, A. *Perspectives of Modern Physics*. Rev. ed. McGraw-Hill, 1969.

PRINCIPAL REFERENCE BOOKS

Arya, A. P. *Elementary Modern Physics*. Addison-Wesley.

Eisberg, R. M. *Fundamentals of Modern Physics*. Wiley.

Mermin, N. D. *Space and Time in Special Relativity*. McGraw-Hill, 1968.

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, S.H.M., superposition, damped S.H.M., 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.

Mandl, F. *Statistical Physics*. Wiley, 1971.

Stephenson, R. J. *Mechanics and Properties of Matter*. Wiley, 1969.

PRINCIPAL REFERENCE BOOKS

Pain, H. G. *Physics of Vibrations and Waves*. Wiley, 1968.

Spiegel, M. R. *Theory and Problems of Theoretical Mechanics*. Schaum.

Spiegel, M. R. *Theoretical Mechanics*. Schaum.

Symon, K. R. *Mechanics*. Addison-Wesley, 1960.

Zemansky, M. W. *Heat and Thermodynamics*: 5th ed. McGraw-Hill, 1968.

Advanced Level 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 1.112B but treated at a higher level; including some solid state physics.

TEXTBOOK

Eisberg, R. M. *Fundamentals of Modern Physics*. Wiley, 1961.

PRINCIPAL REFERENCE BOOKS

Mermin, N. D. *Space and Time in Relativity*. McGraw-Hill, 1968.

Resnick, R. *Introduction to Special Relativity*. Wiley, 1968.

1.122C Thermodynamics and Mechanics

Prerequisites: 1.011, 10.001. *Co-requisite*: 10.211A. *Excluded*: 1.112C.

Thermodynamics: As for 1.112C Thermodynamics but at higher level and with some additional topics.

Mechanics: Oscillations and forced vibrations, Lagrange's equation, variational principles, Hamilton's equations.

TEXTBOOKS

Mandl, F. *Statistical Physics*. Wiley.

Symon, K. R. *Mechanics*. 2nd ed. Addison-Wesley, 1965.

PRINCIPAL REFERENCE BOOKS

Crawford, F. S. *Waves*. Berkley Physics. Vol. III. McGraw-Hill.

Goldstein, H. *Classical Mechanics*. Addison-Wesley

Reif, F. *Fundamentals of Statistical and Thermal Physics*. McGraw-Hill.

Spiegel, M. R. *Theoretical Physics*. Schaum.

POLITICAL SCIENCE

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**54.501 Political Science I (Double unit)****SESSION 1**

Option 1: Australian Politics: Issues, Parties and Policies. An introductory study of Australian politics in a world context, with special reference to (a) contemporary political issues and values (b) conflicts of interests and parties (c) policy-making and how it is affected by methods of government, elections, the media, technocracy.

or

Option 2: Australian Politics: The Framework of Government and its bearing on Political Events and Practices. A structural approach to Australia's federal system of government and to its implications for current events and practices in Australian politics. This framework encompasses among other things a study of the following: political parties; bureaucracy; pressure groups; electoral systems; elections and the manifold influences which impinge upon such contests.

SESSION 2

Option 3: Some Major Political Theories. Illustrated by some 'great debates' on important general political issues.

or

Option 4: Comparative Politics. Introduces various systems of government. Includes the selection of rulers and the sources of their power and authority, political influence and its distribution in various types of societies, forms of political participation.

Students need to choose one option in Session 1 and one option in Session 2.

Australian Politics: Issues, Parties, Policies

TEXTBOOKS

Horne, D. *The Australian People*. A. & R., 1973.

Mayer, H. & Nelson, H. eds. *Australian Politics—A Third Reader*. Cheshire, 1973.

Solomon, D. *Australia's Government and Parliament*. Nelson, 1973.

Wilson, P. R. *Australian Social Issues of the Seventies*. Butterworths, 1972.

PRINCIPAL REFERENCE BOOKS

Acoss. *Poverty, the ACOSS Evidence*. Acoss, 1974.

Butler, D. & Cameron, I. *Open Government: To What Degree?* Fabian Pamphlet No. 2.

Byrt, W. J. & Crean, F. *Government and Politics in Australia*. McGraw-Hill, 1972.

Encel, S. *A Changing Australia*. ABC, 1971.

Forward, R. ed. *Public Policy in Australia*. Cheshire, 1974.

- Hudson, W. J. *Australian Diplomacy*. Macmillan, 1970.
 Lloyd, C. J. & Reid, G. S. *Out of the Wilderness: The Return of Labor*. Cassell, 1974.
 McQueen, H. *A New Britannia*. Penguin, 1970.
 Mayer, H. ed. *Australia's Political Pattern*. Cheshire, 1974.
 Mayer, H. ed. *Labor to Power*. A. & R., 1973.
 Roper, T. *The Myth of Equality: Schools in Australia*. M.U.P., 1971.
 Rowley, C. D. *The Destruction of Aboriginal Society*. Penguin, 1972.
 Spigelman, J. J. *Secrecy: Political Censorship in Australia*. A. & R., 1972.
 Tipstaff. *Journal of U.N.S.W. Law Society*. Vol. I. March, 1974.
 Whitlam, E. G. *Urban Growth*. Fabian Pamphlet No. 17.

Australian Politics: A Structural Approach

TEXTBOOKS

- Crisp, L. F. *Australian National Government*. Longman, 1973.
 Lucy, R. ed. *The Pieces of Politics*. Macmillan, 1975.
 Mayer, H. & Nelson, H. eds. *Australian Politics—A Third Reader*. Cheshire, 1973.
 Mayer, H. ed. *Labor to Power*. A. & R., 1973.
 Sawyer, G. *Australian Government Today*. Latest ed. M.U.P.

PRINCIPAL REFERENCE BOOKS

- Australian Institute of Political Science. *Who Runs Australia? Parliament, Bureaucracy or Citizens*. A. & R., 1972.
 Butler, D. *The Canberra Model*. Cheshire, 1973.
 Davies, A. F. *Australian Democracy*. Longman, 1964.
 Hughes, C. A. ed. *Readings in Australian Government*. Queensland U.P., 1968.
 Jones, A. *ABC of Politics*. Cassell, 1973.
 Juddery, B. *At the Centre*. Cheshire, 1974.
 Mayer, H. ed. *Australian Politics, a Second Reader*. Cheshire, 1969.
 Menzies, Sir Robert. *Central Power in the Australian Commonwealth*. Cassell.
 Miller, J. D. B. & Jinks, B. *Australian Government and Politics*. Duckworth, 1971.
 Richardson, J. E. *Patterns of Australian Federalism*. A.N.U., 1973.
 Solomon, D. *Australia's Government and Parliament*. Nelson, 1973.

Some Major Political Theories

TEXTBOOK

- Lucy, R. ed. *The Pieces of Politics*. Macmillan, 1975.

PRINCIPAL REFERENCE BOOKS

Lists supplied before commencement of course.

Comparative Politics

TEXTBOOKS

- Almond, G. A. & Powell, G. B. Jr. *Comparative Politics: A Developmental Approach*. Latest ed. Little, Brown.
 Blondel, J. *Comparing Political Systems*. Weidenfeld & Nicolson, 1972.
 Dahl, R. *Modern Political Analysis*. 2nd ed. Prentice-Hall, 1969.
 Miller, J. D. B. *The Nature of Politics*. Pelican, 1965.

PRINCIPAL REFERENCE BOOKS

- Christoph, J. B. & Brown, B. E. eds. *Cases in Comparative Politics*. 2nd ed. Little, Brown, 1969.
- Crick, B. *Basic Forms of Government: A Sketch and a Model*. Macmillan, 1973.
- Dahl, R. *Polyarchy: Participation and Opposition*. Yale U.P., 1971.
- Deutsch, K. W. *Politics and Government: How People Decide their Fate*. Houghton Mifflin, 1970.
- Finer, S. E. *Comparative Government*. Allen Lane.
- Fried, R. C. *Comparative Political Institutions*. Macmillan, 1966.
- Gorden, M. *Comparative Political Systems: Managing Conflict*. Macmillan.
- Groth, A. J. *Comparative Politics: A Distributive Approach*. Univ. of California.
- Hitchner, D. G. & Levine, C. *Comparative Government and Politics*. Dodd, Mead, 1967.
- Huntington, S. P. & Moore, C. A. eds. *Authoritarian Politics in Modern Society*. Basic Books, 1970.
- McFarland, A. S. *Power and Leadership in Pluralist Systems*. Stanford U.P.
- Macridis, R. C. & Brown, B. E. *Comparative Politics: Notes and Readings*. Dorsey Press.
- Macridis, R. C. *Political Parties: Contemporary Trends and Ideas*. Harper & Row, 1967.
- Macridis, R. C. *The Study of Comparative Government*. Random House, 1966.
- Masannat, G. S. & Abcarian, G. *Contemporary Political Systems*. Scribner.
- Merkel, P. H. *Modern Comparative Politics*. Holt, Rinehart & Winston, 1970.
- Roberts, G. K. *What is Comparative Politics?* Macmillan.

Upper Level units (Category A)

54.202 Selected Political Theorists

Prerequisite: 54.501.

Reading lists are given by lecturers prior to their own lectures on specific thinkers. Amongst the thinkers most likely studied are: Marsilius of Padua, St. Thomas More, Anthony Ascham, Giambattista Vico, Alexis de Tocqueville, Pierre Proudhon, Max Weber, Harold Laski.

54.212 Russian Politics

Prerequisite: 54.501.

PRELIMINARY READING

- Kochan, L. *The Making of Modern Russia*. Penguin. Chapters 10-15.
- Schapiro, L. *The Government and Politics of the Soviet Union*. 2nd ed. Hutchinson, 1967.

TEXTBOOKS

- Cornell, R. ed. *The Soviet Political System: A Book of Readings*. Prentice-Hall, 1970.
- Schapiro, L. *The Communist Party of the Soviet Union*. Methuen, 1970.

PRINCIPAL REFERENCE BOOKS

- Amalrik, A. *Will the USSR Survive until 1984?* Allen Lane, 1970.
 Barghoorn, F. C. *Politics in the U.S.S.R.* Little, Brown, 1971.
 Brzezinski, Z. K. & Huntington, S. P. *Political Power: U.S.A./U.S.S.R.* Viking, 1968.
 Carr, E. H. *A History of Soviet Russia*. 8 vols. Macmillan, or 7 vols. Pelican.
 Conquest, R. *The Great Terror*. Macmillan, 1968.
 Fainsod, M. *Smolensk under Soviet Rule*. Harvard U.P., 1958.
 Fainsod, M. *How Russia is Ruled*. 2nd ed. Harvard U.P., 1963.
 Johnson, C. ed. *Change in Communist Systems*. Stanford U.P., 1970.
 Laird, R. D. & B. A. *Soviet Communism and Agrarian Revolution*. Pelican, 1970.
 Lane, D. *Politics and Society in the U.S.S.R.* Weidenfeld & Nicolson, 1970.
 *McClosky, H. & Turner, J. E. *The Soviet Dictatorship*. McGraw-Hill, 1960.
 *Mandelstam, N. *Hope against Hope*. Collins Harwell, 1971.
 *Medvedev, R. *Let History Judge*. Macmillan, 1972.
 Meyer, A. G. *Communism*. 3rd ed. Random House, 1967.
 *Meyer, A. G. *Leninism*. Praeger, 1965.
 *Nove, A. *An Economic History of the USSR*. Penguin.
 Ploss, S. ed. *The Soviet Political Process: Aims, Techniques and Examples of Analysis*. Ginn, 1971.
 *Serge, V. *Memoirs of a Revolutionary*. Oxford Paperbacks, 1963.
 Skilling, H. G. & Griffiths, F. eds. *Interest Groups in Soviet Politics*. Princeton U.P., 1971.
 Strong, J. W. ed. *The Soviet Union under Brezhnev and Kosygin*. Van Nostrand, 1971.
 Struve, G. *Russian Literature under Lenin and Stalin, 1917-53*. Oklahoma U.P., 1971.
 Swearer, H. R. *The Politics of Succession in the USSR*. Little, Brown, 1964.
 Trotsky, L. *The Revolution Betrayed*. Pathfinder, 1970.
 Ulam, A. *Stalin: The Man and his Era*. Allen Lane, 1973.
 Ulam, A. *Lenin and the Bolsheviks*. Fontana, 1967.

54.222 U.S. Politics

Prerequisite: 54.501.

TEXTBOOKS

- Dye, T. R. & Zeigler, L. H. eds. *The Irony of Democracy, An Uncommon Introduction to American Politics*. 2nd ed. Duxbury Press, Calif., 1972.
 Lockard, D. *The Perverted Priorities of American Politics*. Macmillan, N.Y., 1971.

PRINCIPAL REFERENCE BOOKS

- Dahl, R. A. *Pluralist Democracy in the United States: Conflict and Consensus*. Rand-McNally, 1967.
 Dahl, R. A. *Who Governs? Democracy and Power in an American City*. Yale U.P.
 Domhoff, G. W. *Who Rules America*. Prentice-Hall, 1967.
 Key, V. O. *Politics, Parties and Pressure Groups*. 5th ed. Crowell, 1964.
 *Koenig, L. *The Chief Executive*. Rev. ed. Harcourt Brace, 1968.
 *Lasch, C. *The Agony of the American Left*. Vintage, 1968.
 *Levine, E. L. & Cornwell, E. E. Jr. *An Introduction to American Government*. 2nd ed. Macmillan, N.Y., 1968.

- Lukacs, J. *A New History of the Cold War*. Doubleday Anchor, 1966.
 *Moe, R. C. ed. *Congress and the President, Allies and Adversaries*. Good-year, Calif., 1971.
 Skolnick, J. H. *Politics of Protest*. Ballantine Books, N.Y., 1969.
 Spanier, J. *American Foreign Policy Since World War II*. 6th ed. Praeger Paperback, 1973.

54.232 Politics of China

Prerequisite: 54.501.

PRELIMINARY READING

- Ch'en, J. *Mao and the Chinese Revolution*. O.U.P., 1967.
 Houn, F. W. *A Short History of Chinese Communism*. Prentice-Hall, 1967.
 Waller, D. J. *The Government and Politics of Communist China*. Hutchinson, 1972.

PRINCIPAL REFERENCE BOOKS

- Barnett, D. *Chinese Communist Politics in Action*. Washington U.P. .
 Fitzgerald, S. A. *China and the Overseas Chinese*. C.U.P., 1972.
 Gittings, J. *Survey of the Sino-Soviet Dispute*. O.U.P., 1968.
 Goodstadt, L. *In Search of Plenty*. Longman, 1972.
 Ho & Tsou. *China in Crisis*. Chicago U.P., 1968.
 Johnson, C. *Ideology and Politics in Contemporary China*. Washington U.P., 1973.
 Lewis, J. W. *The City in Communist China*. Stanford, 1971.
 Oksenberg, M. *China's Development Experiment*. Praeger, 1973.
 Robinson, T. *The Cultural Revolution*. California U.P., 1969.
 Schram, S. R. *Authority, Participation and Cultural Change in China*. C.U.P., 1973.
 Seybolt, P. J. *Revolutionary Education in China*. International Arts & Science Press, 1973.
 Van Ness, P. *Revolution and the Chinese Foreign Policy*. California U.P., 1970.
 Wheelright, E. & McFarlane, B. *The Chinese Road to Socialism*. Monthly Review Press, 1970 or Pelican, 1973.

54.242 British Government

Prerequisite 54.501.

TEXTBOOKS

- Beer, S. *Modern British Politics*. Faber, 1965.
 Ghosh, S. C. *Decision-making and Power in the British Conservative Party*. Oceania, Calcutta, 1972.

PRINCIPAL REFERENCE BOOKS

- Blondel, J. *Voters, Parties and Leaders*. Pelican, 1963.
 Birch, A. H. *Representative and Responsible Government*. Allen & Unwin, 1964.
 Brittan, S. *The British System of Government*. Allen & Unwin, 1967.
 Butler, D. E. & Pinto-Duschinsky, M. *The British General Election of 1970*. Macmillan, 1971.
 Daalder, H. *Cabinet Reform in Britain, 1914-1963*. Stanford U.P., 1963.

* Strongly recommended.

- Finer, S. E. *Back-bench Opinions in the House of Commons 1955-59*. Pergamon, 1961.
- Harris, N. *Competition and the Corporate Society: British Conservatives, The State and Industry 1945-1964*. Harper & Row, 1972.
- Harrison, M. *Trade Unions and the Labour Party since 1945*. Allen & Unwin, 1960.
- Kellas, J. G. *The Scottish Political System*. C.U.P., 1973.
- McKenzie, R. T. *British Political Parties*. Mercury Paperbacks, 1964.
- Mackintosh, J. P. *The British Cabinet*. Stevens, 1962.
- Potter, A. *Organised Groups in British National Politics*. Faber, 1961.
- Rogow, A. A. *The Labour Government and British Industry 1945-51*. Blackwell.
- Stanworth, P. & Griddens, A. *Elites and Power in British Society*. C.U.P., 1974.
- Williams, F. *Dangerous Estate: The Anatomy of Newspapers*. Longman, 1957.

54.252 International Relations

Prerequisite: 54.501.

TEXTBOOKS

- Dougherty, J. E. & Pfaltzgraff, R. L. *Contending Theories of International Relations*. Lippincott, 1971.
- Lanyi, G. A. & McWilliams, W. C. eds. *Crisis and Continuity in World Politics*. 2nd ed. Random House, 1973.

PRINCIPAL REFERENCE BOOKS

- *Holsti, K. J. *International Politics*. Prentice-Hall, 1967.
- *Models, G. *Principles of World Politics*. Free Press, 1972.
- *Morgenthau, H. *Politics among Nations*. 4th ed. Knopf, 1967.
- *Organski, A. F. K. *World Politics*. 2nd ed. Knopf, 1968.
- Duchacek, I. D. ed. *Discord and Harmony. Readings in International Politics*. Holt, Rinehart & Winston, 1972.
- Fried, M., Harris M. & Murphy, R. eds. *War—the Anthropology of Armed Conflict and Aggression*. Natural History Press, 1968.
- Friedmann, W. *An Introduction to World Politics*. Macmillan, 1964.
- Goodrich, L. M. *The United Nations*. Stevens, 1960.
- Kulski, W. W. *International Politics in a Revolutionary Age*. 2nd ed. Lippincott, 1968.
- Masannat, G. & Abcarian, G. *International Politics, Introductory Readings*. Scribner, 1970.
- Northedge, F. S. & Grieve, M. J. *A Hundred Years of International Relations*. Duckworth, 1971.
- Pfaltzgraff, R. L. ed. *Politics and the International System*. Lippincott, 1969.
- Puchala, D. J. *International Politics*. 7th ed. McGraw-Hill, 1969.
- Romani, R. ed. *The International Political System: Introduction and Readings*. Wiley, 1972.
- Sanders, B. L. & Durbin, A. C. *Contemporary International Politics: Introductory Readings*. Wiley, 1971.
- Sondermann, F. A., Olson, W. C. & McLellan, D. S. eds. *The Theory and Practice of International Relations*. 3rd ed. Prentice-Hall, 1970.
- Spanier, J. *Games Nations Play*. Nelson, 1972.
- Van Dyke, V. *International Politics*. 2nd ed. Appleton-Century-Crofts, 1966.
- Waters, M. *The United Nations*. Macmillan, 1967.

54.262 Politics of Germany, Italy and France*Prerequisite: 54.501.***TEXTBOOKS**

- Ehrmann, H. W. *Politics in France*. Little, Brown, 1971.
 Germino, D. & Passigli, S. *The Government and Politics of Contemporary Italy*. Harper & Row, 1968.
 Heidenheimer, A. J. *The Governments of Germany*. Crowell, 1971.
 Schoonmaker, D. ed. *German Politics*. Heath, 1971.

PRINCIPAL REFERENCE BOOKS

- Banfield, E. *The Moral Basis of a Backward Society*. Free Press, 1958.
 Bracher, K. D. *The German Dictatorship*. Penguin University, 1970.
 Chalmers, D. A. *The Social Democratic Party of Germany*. Yale U.P., 1964.
 Dahrendorf, R. *Society and Democracy in Germany*. Doubleday, 1967.
 Galli, F. & Prandi, A. *Patterns of Political Participation in Italy*. Yale U.P., 1970.
 Grosser, A. *Germany in Our Time*. Pall Mall, 1971.
 Hartley, A. *Gaullism: The Rise and Fall of a Political Movement*. Outerbridge & Dienstfrey, 1971.
 Heidenheimer, A. J. *Adenauer and the C.D.U.* Nijhoff, 1960.
 Hoffman, S. et al. *In Search of France*. Harvard U.P., 1963.
 Kogan, N. *The Government of Italy*. Crowell, 1962.
 Mammarella, G. *Italy after Fascism*. Notre Dame U.P., 1966.
 Merkl, P. *Germany, Yesterday and Tomorrow*. O.U.P., 1970.
 Merkl, P. *The Origins of the West German Republic*. O.U.P., 1963.
 Nichols, P. *The Politics of the Vatican*. Pall Mall, 1968.
 Pickles, D. *The Government and Politics of France*. Vol. 1. Methuen, 1972.
 Seale, P. & McConville. *French Revolution 1968*. Penguin, 1968.
 Smith, D. M. *Italy: A Modern History*. Michigan U.P., 1969.
 Tarrow, B. G. *Peasant Communism in Southern Italy*. Yale U.P., 1967.
 Thompson, D. *Democracy in France Since 1870*. O.U.P., 1964.
 Williams, P. M. et al. *French Politicians and Elections 1951-1969*. C.U.P., 1970.
 Williams, P. M. & Harrison, M. *Politics and Society in De Gaulle's Republic*. Longman, 1971.

54.272 Politics of India†*Prerequisite: 54.501.***TEXTBOOK**

- *Neale, W. C. *India: The Search for Unity, Democracy and Progress*. Van Nostrand, 1965.

PRINCIPAL REFERENCE BOOKS

- Austin, G. *The Indian Constitution: Cornerstone of a Nation*. Clarendon, 1966.
 Bhatikal, R. G. ed. *Political Alternatives in India*. Popular Prakashan, Bombay, 1967.
 Dean, V. *New Patterns of Democracy in India*. Harvard U.P., 1959.
 Kochanek, S. A. *The Congress Party of India*. Princeton Univ., 1968.
 Majumdar, B. B. *History of Indian Social and Political Ideas: From Ram-mohan to Dayananda 1821-1833*. Bookland, Calcutta, 1967.
 Smith, D. E. *India as a Secular State*. Princeton U.P., 1963.
 Weiner, M. *The Politics of Scarcity*. Chicago U.P., 1962.

* Strongly recommended.

† May not be offered in 1975.

54.292 Comparative Foreign Policy*Prerequisite: 54.501.***TEXTBOOK**Macridis, R. C. *Foreign Policy in World Politics*. 4th ed. Prentice-Hall, 1970.**PRINCIPAL REFERENCE BOOKS**Crabb, C. V. *The Elephants and the Grass*. Praeger, 1965.Fairbank, J. K. *China: The People's Middle Kingdom and the U.S.A.* O.U.P., 1967.Frankel, J. *National Interest*. Pall Mall, 1970.Goldwin, R. A., Werner, R. & Stourzh, G. *Readings in Russian Foreign Policy*. O.U.P., 1959.Halpern, A. M. ed. *Policies toward China: Views from Six Continents*. McGraw-Hill, 1965.Hilsman, R. *To Move a Nation*. Doubleday, 1967.Huck, A. *The Security of China*. Chatto & Windus, 1970.*Jan, G. P. ed. *International Politics of Asia: Readings*. Wadsworth, 1969.Kissinger, H. *American Foreign Policy*. Norton, 1969.Rubinstein, A. Z. *The Foreign Policy of the Soviet Union*. Random House, 1966.Scott, A. M. & Dawson, R. H. *Readings in the Making of American Foreign Policy*. Macmillan, 1966.Seaburg, P. *Power, Freedom and Diplomacy*. Random House, 1963.Sorenson, T. *Decision-Making in the White House*. Columbia U.P.Vital, D. *Inequality of States*. O.U.P., 1967.Wallace, W. *Foreign Policy and the Political Process*. Macmillan, 1971.**Upper Level units (Category B)**

References given for these subjects are for background reading. Lecturers will supply comprehensive reading lists.

54.302 Marxism

Prerequisite: 54.501 (Cr.). Co-requisite: Any Upper Level Category A unit. Excluded: 54.502.

PRINCIPAL REFERENCE BOOKS

Any edition of the following:

Engels, F. *Socialism, Utopian and Scientific*.Marx, K. *Capital*.Marx, K. *The Class Struggles in France*.Marx, K. *Critique of the Gotha Programme*.Marx, K. *Critique of Political Economy*. (Preface).Marx, K. *The 18th Brumaire of Louis Bonaparte*.Marx, K. & Engels, F. *Manifesto of the Communist Party*.

* Strongly recommended.

54.312 Fascism

Prerequisite: 54.501 (Cr.). *Co-requisite:* 54.262. *Excluded:* 54.512.

PRINCIPAL REFERENCE BOOKS

- Allen, W. S. *The Nazi Seizure of Power: The Experience of a Single German Town*. Quadrangle Books, 1965.
- Baynes, N. ed. *The Speeches of Adolf Hitler*. O.U.P., 1942.
- Bracher, K. D. *The German Dictatorship*. Penguin, 1973.
- Moore, B. *Social Origins of Dictatorship and Democracy*. Penguin, 1966.
- Mosse, G. L. *The Crisis of German Ideology: Intellectual Origins of the Third Reich*. Grosset & Dunlop, 1964.
- Neumann, F. L. *Behemoth: The Structure and Practice of National Socialism*. O.U.P., 1944.
- Nolte, E. *The Three Faces of Fascism: Action Française, Italian Fascism, National Socialism*. Mentor, 1969.
- Salvemini, G. *The Origins of Fascism in Italy*. Harper & Row, 1973.
- Schoenbaum, D. *Hitler's Social Revolution: Class and Status in Nazi Germany*. Weidenfeld & Nicolson, 1967.
- Speer, A. *Inside the Third Reich*. Sphere, 1971.
- Stern, F. *The Politics of Cultural Despair: A Study in the Rise of the Germanic Ideology*. Anchor, 1965.

54.322 British Government B

Prerequisite: 54.501 (Cr.). *Co-requisite:* 54.242. *Excluded:* 54.522.

PRINCIPAL REFERENCE BOOKS

- Cole, G. D. H. *A History of the Labour Party from 1914*. Routledge, 1948.
- Milibrand, R. *Parliamentary Socialism: A Study in the Politics of Labour*. 2nd ed. Merlin Press, 1973.
- Pelling, H. *A History of British Trade Unionism*. Pelican, 1963.
- *Pelling, H. *Origin of the Labour Party*. O.U.P., 1966.
- *Pelling, H. *A Short History of the Labour Party*. Macmillan, 1962.

54.332 Australian Politics

Prerequisite: 54.501 (Cr.). *Co-requisite:* Any Upper Level Category A unit. *Excluded:* 54.532.

PRINCIPAL REFERENCE BOOKS

- Aimer, P. *Politics, Power and Persuasion*. James Bennett, 1974.
- Arndt, H. W. & Boxer, A. H. *The Australian Economy, a Second Volume of Readings*. Cheshire, 1972.
- Butler, D. *The Canberra Model*. Cheshire, 1973.
- Juddery, B. *At the Centre*. Cheshire, 1973.
- Spann, R. N. ed. *Public Administration in Australia*. N.S.W. Govt. Pr., 1973.
- Australian Quarterly*. Political Reviews since 1971.
- Australian Journal of Politics and History*. Political Chronicles both Federal and State since 1971.

* Strongly recommended.

54.342 International Security

Prerequisite: 54.501 (Cr.). *Co-requisite:* 54.252. *Excluded:* 54.542.

PRINCIPAL REFERENCE BOOKS

- *Butterfield, H. & Wight, M. eds. *Diplomatic Investigations*. Allen & Unwin, London, 1966.
 Farnsworth, L. W. & Gray, R. B. eds. *Security in a World of Change*. Wadsworth, 1969.
 Frankel, J. *Contemporary International Theory and the Behaviour of States*. O.U.P., 1973.
 Garnett, J. ed. *Theories of Peace and Security. A Reader in Contemporary Strategic Thought*. Macmillan, London, 1970.
 McNeil, E. B. *The Nature of Human Conflict*. Prentice-Hall, 1965.
 Smith, C. G. *Conflict Resolution. Contributions of the Behavioural Sciences*. Notre Dame U.P., 1971.
 Twitchett, K. J. ed. *International Security. Reflections on Survival and Security*. O.U.P., 1971.

54.352 Plato and Machiavelli

Prerequisite: 54.501 (Cr.). *Co-requisite:* 54.202. *Excluded:* 54.552.

TEXTBOOKS AND PRINCIPAL REFERENCE BOOKS

Lists supplied before commencement of course.

54.362 Chinese Political Thought

Prerequisite: 54.501 (Cr.). *Co-requisite:* 54.202 or 54.232. *Excluded:* 54.562.

PRINCIPAL REFERENCE BOOKS

- Waley, A. *Three Ways of Thought in Ancient China*. Anchor Paperback.
 McNeil, W. H. & Sedlar, J. W. eds. *Classical China*. Oxford Paperback.
 de Bary, W. T., Chan, W. T. & Burton, W. eds. *Sources of Chinese Tradition*. Columbia Paperback.
 Tan, C. T. *Chinese Political Thought in the 20th Century*. Doubleday—there is an Australian/UK ed.

54.372 Australian Foreign Policy

Prerequisite: 54.501 (Cr.) *Co-requisite:* 54.292 or 54.252. *Excluded:* 54.572.

PRINCIPAL REFERENCE BOOKS

- Casey, R. G. *Australian Foreign Minister, The Diaries of R. G. Casey 1951-60*. Collins, 1972.
 Crocker, W. R. *Australian Ambassador*. Sun Books, 1971.
 Evatt, H. V. *Foreign Policy of Australia*. A. & R., 1945.
 Evatt, H. V. *Australia in World Affairs*. A. & R., 1946.
 Greenwood, G. & Harper, N. *Australia in World Affairs 1950-55*. Cheshire, 1957.
 Greenwood, G. & Harper, N. *Australia in World Affairs 1956-60*. Cheshire, 1963.
 Greenwood, G. & Harper, N. *Australia in World Affairs 1961-65*. Cheshire, 1968.

* Strongly recommended.

Greenwood, G. & Harper, N. *Australia in World Affairs 1966-70*. Cheshire, 1973.

Menzies, R. G. *Measure of the Years*. Cassell, 1970.

Menzies, R. G. *Afternoon Light*. Cassell, 1967.

Spender, P. *Exercises in Diplomacy*. S.U.P., 1969.

Starke, J. G. *The ANZUS Treaty Alliance*. M.U.P., 1965.

Watt, A. *The Evolution of Australia's Foreign Policy*. C.U.P.

Watt, A. *Australian Diplomat*. A. & R., 1972.

See *The Australian Outlook* Dec., 1970, April, 1971 for a bibliography of journal articles on Australia's external relations compiled by W. J. Hudson.

54.382 Political Theory

Prerequisite: 54.501 (Cr.). Co-requisite: 54.202. Excluded: 54.582.

TEXT AND PRINCIPAL REFERENCE BOOKS

Lists supplied before commencement of course.

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.

Lists for these Advanced Level units are issued by lecturers:

54.502 Marxism; 54.512 Fascism; 54.522 British Government; 54.532 Australian Politics; 54.542 International Relations; 54.552 Plato and Machiavelli; 54.562 Chinese Political Thought; 54.572 Australian Foreign Policy; 54.582 Political Theory.

Honours Level units

54.603 Political Science (Honours)

Prerequisites: The minimum programme 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. 3. To complete three of the following course work and seminar options during the year.

Options:

(1) Problems of international order; (2) Literature and politics; (3) Theories of public administration and organisation; (4) Aspects of Australian political culture; (5) Aspects of Chinese politics; (6) Theories of revolution.

Readings for these options are issued by the lecturers. The course work and the seminar work together amount to approximately eight hours a week throughout the year.

PSYCHOLOGY

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 (a) the biological and social bases of behaviour, (b) learning, and (c) individual differences.

The course includes training in methods of psychological enquiry, and the use of elementary statistical procedures.

Part A—Theory

TEXTBOOKS

C.R.M. *Psychology Today*. 2nd ed. CRM., 1972.

Kelly, E. L. *Assessment of Human Characteristics*. Brooks/Cole, 1967.

Mednick, S. A., Pollio, H. R. & Loftus, E. F. *Learning*. 2nd ed. Prentice-Hall, 1973.

Selected *Scientific American* reprints, as advised by the School.

Recommended as an additional text for intending honours students:

Hebb, D. O. *Textbook of Psychology*. 3rd ed. Saunders, 1972.

Part B—Practical

TEXTBOOK

Lumsden, J. *Elementary Statistical Method*. W. Aust. U.P., 1969.

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, the concept of norms of behaviour, interpersonal experience and adjustment. Some developmental theories, such as those of Freud, some neo-Freudians, Piaget, etc.

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, N.Y., 1968.

PRINCIPAL REFERENCE BOOKS

Bischof, L. J. *Adult Psychology*. Harper & Row, 1969.

Goffman, E. *The Presentation of the Self in Everyday Life*. Doubleday, 1959.

Sarnoff, I. *Personality Dynamics and Development*. Wiley, 1962.

Watson, R. I. *The Psychology of the Child*. Wiley, 1962.

Part B. Individual Differences and their Measurement

TEXTBOOKS

Thorndike, R. L. & Hagen, K. *Measurement and Evaluation in Psychology and Education*. Wiley, 1969.

Tyler, L. E. *The Psychology of Human Differences*. Appleton-Century-Crofts, 1965.

PRINCIPAL REFERENCE BOOKS

Anastasi, A. *Individual Differences*. Wiley, 1965.

Nunnally, J. C. *Educational Measurement and Evaluation*. McGraw-Hill, 1964.

12.052 Basic Psychological Processes II

Prerequisite: 12.001 with Advanced Pass. Co-requisite: 12.152. A joint prerequisite for any Psychology III unit.

Basic phenomena of learning, perception and motivation. Biological bases of behaviour. Students will select two areas within this unit for concentration of study.

TEXTBOOKS*

Cofer, C. N. *Motivation and Emotion*. Scott, Foresman, 1972.

(For students not intending to proceed to further courses in Motivation, Murray, E. J. *Motivation and Emotion*. Prentice-Hall, 1964, could serve as an alternative textbook although it might have to be supplemented by other material.)

Haber, R. N. & Hershenson, M. *The Psychology of Visual Perception*. Holt, Rinehart & Winston, 1973.

(For students not intending to proceed to further courses in Perception, alternative textbooks would be:

Hochberg, J. E. *Perception*. Prentice-Hall, 1964.

or

Weintraub, D. J. & Walker, E. L. *Perception*. Basic Concepts in Psychology Series. Brooks, Cole, 1966.)

PRINCIPAL REFERENCE BOOKS†

Rose, S. *The Conscious Brain*. Weidenfeld & Nicolson, 1973.

Van Sommers, P. *The Biology of Behaviour*. Wiley, 1972.

* For other sections of the course, see Principal Reference Books.

† Selected readings in Learning and in Physiological Psychology are announced at the beginning of the course.

12.062 Complex Psychological Processes II

Prerequisite: 12.001 with Advanced Pass. Co-requisite: 12.152. A joint prerequisite for any Psychology III unit.

Information processing and cognitive functioning. Developmental influences on individual and group behaviour. Social bases of behaviour. Psycholinguistics. Students will select two areas within this unit for concentration of study.

PRINCIPAL REFERENCE BOOKS

- Aronson, E. *The Social Animal*. Freeman, 1972.
 Higgin, G. *Symptoms of Tomorrow*. Plume/Ward Lock, 1973.
 Jorgensen, F. *Biology and Culture in Modern Perspective*. Freeman, 1973.
 Kennedy, W. A. *Child Psychology*. Prentice-Hall, 1971.
 Lindsay, P. H. & Norman, D. A. *Human Information Processing*. Academic, 1972.

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, 1971.
 Welkowitz, J., Ewen, R. B. & Cohen, J. *Introductory Statistics for the Behavioral Sciences*. Academic, 1971.

PRINCIPAL REFERENCE BOOKS

- Bachrach, A. J. *Psychological Research: An Introduction*. 3rd ed. Random House, 1972.
 Campbell, D. T. & Stanley, J. C. *Experimental and Quasi-Experimental Designs for Research*. Rand McNally, 1963.
 Hays, W. L. *Statistics*. Holt, Rinehart & Winston, 1969.
 Kimmel, H. D. *Experimental Principles and Design in Psychology*. Ronald, 1970.
 Lumsden, J. *Elementary Statistical Method*. W. Aust. U.P., 1969.
 McGuigan, F. J. *Experimental Psychology: A Methodological Approach*. 2nd ed. Prentice-Hall, 1968.
 Underwood, B. J. *Psychological Research*. Appleton-Century-Crofts, 1957.

12.153 Research Methods IIIA

Prerequisites: 12.052, 12.062, 12.152. A prerequisite for 12.163.

Introduction to analysis of variance—one way and complete factorial designs. Elementary Fortran programming, emphasizing editing of data for use in package programmes.

TEXTBOOKS

- Hays, W. L. *Statistics*. Holt International Edition. Holt, Rinehart & Winston, 1969.
and either

Blatt, J. M. *Introduction to Fortran IV Programming. Miditran Version.* Computer Systems (Aust.).

or

Lee, R. M. *A Short Course in Fortran IV Programming.* McGraw-Hill, 1967.

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, 1969.

Lieberman, B. *Contemporary Problems in Statistics.* O.U.P., 1971.

PRINCIPAL REFERENCE BOOKS

Nunnally, J. *Psychometric Theory.* McGraw-Hill, 1967.

Winer, B. *Statistical Principles in Experimental Design.* McGraw-Hill.

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.

TEXTBOOKS AND PRINCIPAL REFERENCE BOOKS

To be announced before the commencement of classes.

12.263 Learning IIIB

Prerequisite: 12.253.

Human learning processes. Biochemistry of learning, and aversive control of behaviour.

TEXTBOOKS AND PRINCIPAL REFERENCE BOOKS

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.

PRINCIPAL REFERENCE BOOKS

Bischof, L. J. *Adult Psychology.* Harper & Row, 1969.

Lidz, T. *The Person—His Development Throughout the Life Cycle.* Basic Books, 1968.

Mischel, W. *Personality and Assessment.* Wiley, 1968.

Sarnoff, I. *Personality Dynamics and Development.* Wiley, 1962.

Watson, R. I. *The Psychology of the Child.* 2nd ed. Wiley, 1962.

12.313 Personality IIIB

Not offered in 1975.

12.323 Motivation IIIA

Prerequisites: 12.052, 12.062, 12.152.

A study of the conditions governing the arousal and direction of behavioural sequences, with particular reference to the social determinants of the goals of behaviour.

TEXTBOOKS

Cofer, C. N. *Motivation and Emotion*. Scott, Foresman, 1972.

Russell, W. A. ed. *Milestones in Motivation: Contribution to the Psychology of Drive and Purpose*. Appleton-Century-Crofts, 1970.

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.

TEXTBOOK

Anastasi, A. *Psychological Testing*. Macmillan, 1968.

PRINCIPAL REFERENCE BOOKS

Cronbach, L. J. *Essentials of Psychological Testing*. 3rd ed. Harper, 1970.
Helmstadter, G. C. *Principles of Psychological Measurement*. Appleton-Century-Crofts, 1964.

Miller, D. M. *Interpreting Test Scores*. Wiley, 1972.

Nunnally, J. C. *Introduction to Psychological Measurement*. McGraw-Hill, 1970.

Tyler, L. E. *Tests and Measurements*. Prentice-Hall, 1971.

Vernon, P. E. *The Structure of Human Abilities*. Methuen, 1961.

12.413 Physiological Psychology IIIA

Prerequisites: 12.052, 12.062, 12.152.

Elementary neurophysiology and neuroanatomy. Neural and endocrine bases of sensory and motor processes and motivation and emotion (feeding, aggression, and sexual behaviour).

TEXTBOOK

Milner, P. M. *Physiological Psychology*. Holt, 1970.

PRINCIPAL REFERENCE BOOK

Thompson, R. *Foundations of Physiological Psychology*. Harper, 1967.

12.423 Physiological Psychology IIIB

Prerequisite: 12.413.

Physiological bases of learning; psychophysiology of selected psychological states such as stress, sleep and relaxation; genetics and behaviour; brain neurotransmitters and behaviour.

TEXT AND PRINCIPAL REFERENCE BOOKS

As for 12.413.

12.453 Human Information Processing IIIA

Prerequisites: 12.052, 12.062, 12.152.

A study of 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 perception and storage of verbal information. Topics include attention, vigilance, discrimination, memory and retrieval.

TEXTBOOKS

McNicol, D. *A Primer of Signal Detection Theory*. Allen & Unwin, 1971.

Norman, D. *Memory and Attention*. Wiley, 1969.

PRINCIPAL REFERENCE BOOKS

Annett, J. *Feedback and Human Behaviour*. Penguin, 1969.

Mackworth, J. F. *Vigilance and Habituation*. Penguin, 1969.

Mackworth, J. F. *Vigilance and Attention*. Penguin, 1970.

Moray, N. *Listening and Attention*. Penguin, 1969.

Neisser, U. *Cognitive Psychology*. Appleton-Century-Crofts, 1967.

12.473 Perception IIIA

Prerequisites: 12.052, 12.062, 12.152. A prerequisite for 12.483.

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.

TEXTBOOK

Haber, R. N. & Hershenson, M. *The Psychology of Visual Perception*. Holt, Rinehart & Winston, 1973.

PRINCIPAL REFERENCE BOOK

Kling, J. W. & Riggs, L. A. Woodworth and Schlosberg's *Experimental Psychology*. Holt, Rinehart & Winston, 1971.

12.483 Perception IIIB

Prerequisite: 12.473.

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, 1973.

PRINCIPAL REFERENCE BOOK

Howard, I. P. & Templeton, W. B. *Human Spatial Orientation*. Wiley & Sons, 1966.

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, 1972.

Proshansky, H. M., Ittelson, W. H. & Rivlin, L. G. eds. *Environmental Psychology: Man and his Physical Setting*. Holt, Rinehart & Winston, 1970.

12.513 Social Psychology IIIB

Prerequisites: 12.052, 12.062 and 12.152 and 12.503.

For details students should consult the School of Psychology.

12.553 Developmental Psychology IIIA

Prerequisites: 12.052, 12.062, 12.152.

The study of 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.

TEXTBOOKS

Kennedy, W. A. *Child Psychology*. Prentice-Hall, 1971.

Liebert, R. M., Poulos, R. W. & Strauss, G. D. *Developmental Psychology*. Prentice-Hall, 1974.

Telford, C. W. & Sawrey, J. M. *The Exceptional Individual*. Prentice-Hall, 1967.

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.

TEXTBOOK

Rosen, E., Fox, R. & Gregory, I. *Abnormal Psychology*. 2nd ed. Saunders, 1972.

PRINCIPAL REFERENCE BOOKS

Buss, A. H. *Psychopathology*. Wiley, 1966.

Costello, C. G. ed. *Symptoms of Psychopathology*. Wiley, 1960.

Eysenck, H. J. ed. *Handbook of Abnormal Psychology*. 2nd ed. Pitman, 1973.

Maher, B. A. *Principles of Psychopathology*. McGraw-Hill, 1966.

Maher, B.A. ed. *Contemporary Abnormal Psychology*. Penguin, 1973.
(Selected readings.)

Spielberger, C. D. ed. *Anxiety: Current Trends in Theory and Research*. Volumes I & II. Academic, 1972.

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 programmes.

TEXTBOOK

Hammer, M., Salzinger, K. & Sutton, S. eds. *Psychopathology*. Contributions from Social Behavioural and Biological Sciences. Wiley, 1972.

PRINCIPAL REFERENCE BOOKS

Millon, T. & Diefenhaus, H. I. *Research Methods in Psychopathology*. Wiley, 1972.

Sarason, I. G. & Sarason, B. R. eds. *Readings in Abnormal Psychology*. Meredith, 1972.

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.

The application of Psychological Tests and other techniques of appraisal to education and vocational selection and guidance. Advice and other procedures used to assist client decision making.

TEXTBOOK

Tyler, L. *The Work of the Counsellor*. Appleton, 1961.

PRINCIPAL REFERENCE BOOKS

Carkhuff, R. R. & Berenson, B. G. *Beyond Counselling and Therapy*. Holt, Rinehart & Winston, 1967.

Carkhuff, R. R. *Helping and Human Relations*. Vol. I. *Selection and Training*. Holt, Rinehart & Winston, 1969.

Carkhuff, R. R. *Helping and Human Relations*. Vol. II. *Practice and Research*. Holt, Rinehart & Winston, 1969.

Carkhuff, R. R. *The Development of Human Resources*. Holt, Rinehart & Winston, 1971.

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. Social, psychological and physical conditions affecting work behaviour. Selected aspects of human factors engineering and of human and industrial relations.

TEXTBOOKS

Lupton, T. *Management and the Social Sciences*. Penguin, 1971.

McFarland, D. ed. *Personnel Management*. Penguin, 1970.

PRINCIPAL REFERENCE BOOKS

Brown, J. A. C. *Social Psychology of Industry*. Penguin, 1956.

Mills, D. ed. *Australian Management and Society, 1970-85*. Penguin, 1970.

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.

TEXTBOOK

Singleton, W. T. *Introduction to Ergonomics*. World Health Organization, 1972.

PRINCIPAL REFERENCE BOOKS

Edholm, O. G. *The Biology of Work*. World University Library, 1967.

Grandjean, E. *Fitting the Task to the Man*. Taylor & Francis, 1969.

Howell, W. C. & Goldstein, I. L. *Engineering Psychology: Current Perspectives in Research*. Appleton-Century-Crofts, 1971.

Introduction to Work Study. International Labour Office, 1969.

McCormick, E. J. *Human Factors Engineering*. McGraw-Hill, 1970.

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.

Laboratory techniques, including the use of recording stimulating, and control equipment. Observation and other forms of appraisal.

PRINCIPAL REFERENCE BOOKS

Bradford, L. P., Gibb, J. R. & Benne, K. D. *T-Group Theory and Laboratory Method*. Wiley, 1964.

Cooper, C. L. & Mangham, I. L. eds. *T-Groups: A Survey of Research*. Wiley, 1971.

Egan, G. ed. *Encounter Groups: Basic Readings*. Wadsworth, 1971.

Gorden, R. L. *Interviewing: Strategy, Techniques and Tactics*. Dorsey, Illinois, 1969.

Kleinmuntz, B. *Personality Measurement*. Dorsey, 1967.

Shouksmith, G. *Assessment through Interviewing*. Pergamon, 1968.

Webb, E. J., Campbell, D. T., Schwartz, R. D. & Seechrest, L. *Unobstrusive Measures: Non-reactive Research in the Social Sciences*. Rand McNally, 1966.

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.

TEXTBOOKS

Advised before the commencement of classes.

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.

PRINCIPAL REFERENCE BOOK

Sidowski, J. B. *Experimental Methods and Instrumentation in Psychology*. McGraw-Hill, 1966.

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

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 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 programme of written exercises and prescribed reading during the long vacation. Admission to Russian IIA is dependent on the satisfactory completion of this programme.

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

Chekhov, 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.

PRINCIPAL REFERENCE BOOKS

Miller, W. *Russians as People*. Phoenix House.

Salisbury, H. E. *Russia*. Macmillan.

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.

(a) 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.

Smirnitskii, A. I. *Russko-angliiskii slovar'*. Moscow.

Pul'kina, I. M. & Zakhava-Nekrasova, E. *Russian*. Moscow.

(b) Literature

Two lectures per week. The texts to be studied are:

Introduction to Nineteenth Century literature:

- (i) one play by A. P. Chekhov,
- (ii) short stories by A. S. Pushkin, N. V. Gogol', I. S. Turgenev, M. F. Dostoevsky, L. N. Tolstoi, N. S. Leskov and
- (iii) introduction to Twentieth Century writers.

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.

PRINCIPAL REFERENCE BOOKS

Hingley, R. *Russian Writers and Society, 1825-1904*. World University Library.

Magarshak, D. *Chekov: The Dramatist*. Lehmann.

Styan, J. L. *Chekov in Performance*. C.U.P.

Troyat, H. *Tolstoy*. Penguin.

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.

(a) 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.

* May be obtained in xeroxed copies from the School of Russian.

TEXTBOOKS

- Dawson, C. L., Bidwell, C. E. & Humesky, A. eds. *Modern Russian II*. Harcourt, Brace & World.
 Henry, P. *Modern Russian Prose Composition*. Book One. University of London Press.
 Pulkina, I. & Zakhava-Nekrasova, E. *Russian*. Moscow.

(b) *Literature*

One lecture per week. The texts studied are:

- (i) two plays by A. P. Chekov,
- (ii) short stories by A. S. Pushkin, L. N. Tolstoi, L. N. Andreev,
- (iii) 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*.

PRINCIPAL REFERENCE BOOKS

- Hingley, R. *Russian Writers and Society, 1825-1904*. World University Library.
 Magarshak, K. *Chekov: The Dramatist*. Lehmann.
 Styant, J. L. *Chekov in Performance*. C.U.P.

59.512 Russian IIB

For students who have passed 59.511 Russian IB.

(a) *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.

(b) *Literature*

One lecture per week. The texts to be studied will be:

- (i) 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
- (ii) three contemporary stories.

TEXTBOOKS

- Bitov, A. P. *Puteshestvie k drugu detstva*. Leningrad.
 Bykov, V. V. *Kruglyanskii most*. Moscow.
 *Chekhov, A. P. *Vragi, Pripadok, Ogni, Poprygun'ya, Supruga, Chelovek v futlyare, O lyubvi, Yonich, Dushechka, Dama s sobachkoi, Dom s mezoninom*.
 Gogol', N. V. *Shinel'*. Bradda.
 *Leskov, N. S. *Levsha*.

* May be obtained in xeroxed copies from the School of Russian

Pushkin, A. S. *Povesti Belkina*. Bradda.
 Tolstoi, L. N. *Smer' Ivana Il'icha*. Bradda.
 Turgenev, I. S. *Zapiski okhotnika*. (Selections.) Moscow.
 Saltykov-Shchedrin, M. E. *Skazki*. Moscow.
 Yashin, A. Ya. *Vologodskaya svad'ba*. Moscow.

PRINCIPAL REFERENCE BOOKS

Bruford, W. H. *Chekhov and his Time*. Routledge.
 Simmons, E. J. *Chekhov: A Biography*. Jonathan Cape.
 Troyat, H. *Daily Life in Russia under the Last Tsar*. Allen & Unwin.
 Troyat, H. *Tolstoy*. Penguin.

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.

(a) 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 U.P.
 Müller, V. K. *Anglo-russkii slovar'*. Moscow.
 Smirnitkii, A. I. *Russko-angliiskii slovar'*. Moscow.

(b) Literature

Four lectures per week. The works to be studied are:

- (i) Evgenii Onegin by A. S. Pushkin,
- (ii) a major novel by F. M. Dostoevskii,
- (iii) a major novel by L. N. Tolstoi and
- (iv) 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.

SOCIOLOGY

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:

- (a) Developing a critical sense towards social reality and human behaviour.
- (b) Developing skills for the collection and interpretation of social data.
- (c) Developing a "sociological imagination", i.e. sensitivity to the relations between social phenomena and human actions.

Level I units

53.101 Sociology IA

An introduction to sociology, with particular reference to the history and development of social thought. Students are required to read basic texts and to submit related written work.

PRINCIPAL REFERENCE BOOKS

(i) *General*

- Aron, A., *Main Currents in Sociological Thought*. 2 vols. Penguin.
 Berger, P. L., *Invitation to Sociology*. Penguin.
 Curtis, M. R., *Great Political Theorists*. Vol. 1, Avon.
 D'Alton, S. & Bittman, M., *The Social Experience*. Nelson.
 Dahrendorf, R., *Class and Class Conflict in Industrial Society*. Routledge.
 Mills, C. W., *The Sociological Imagination*. O.U.P.

(ii) *Basic Writers*

- Durkheim, E. *The Division of Labour in Society*. Free Press.
 Mead, G. H. *Mind, Self and Society*. Chicago U.P.
 Rousseau, J. J. *The Social Contract*. Everyman.
 Simmel, G. *Conflict and the Web of Group Affiliations*. Free Press.
 Weber, M. *The Protestant Ethic and the Spirit of Capitalism*. Allen & Unwin.

53.102 Sociology IB

Prerequisite: 53.101.

A. Introduction to the institutions, processes and belief systems of modern industrial society, with special emphasis on Australia. B. Reading and written work related to basic texts. C. Introduction to research methods in the social sciences.

PRINCIPAL REFERENCE BOOKS

A.

- Davies, A. F. & Encel, S. eds. *Australian Society*. Cheshire.
 Encel, S. *Equality and Authority*. Cheshire.
 Edgar, D. ed. *Social Change in Australia*. Cheshire.
 Congalton, A. A. *Status and Prestige in Australia*. Cheshire.
 Bryson, L. & Thompson, F. *An Australian Newtown*. Penguin.
 Kondos, A. *One Among Many*. Cheshire.
 Fox, R. *Kinship and Marriage*. Penguin.
 Aron, R. *18 Lectures on Industrial Society*. Weidenfeld & Nicolson.

- Bendix, R. & Lipset, S. *Class Status and Power*. Routledge.
 Berger, P. L. *The Precarious Vision*. Doubleday.
 Mumford, L. *Technics and Civilization*. Routledge.
 Parkin, F. *Class, Inequality and Political Order*. MacGibbon & Kee.
 Bottomore, T. *Classes in Modern Society*. Allen & Unwin.
 Oakley, A. *Sex, Gender and Society*. Temple Smith.
 Anderson, M. *The Sociology of the Family*. Penguin.

B.

As for 53.101.

C.

- Madge, J. *The Tools of Social Science*. Longman.
 Madge, J. *The Origins of Scientific Sociology*. Free Press.
 Goode, W. J. & Hatt, P. K. *Methods in Social Research*. McGraw-Hill.

Upper Level units

53.203 Sociology IIA

Prerequisites: 53.101 and 53.102.

The course is in three parts:

A. *Comparative sociology*, including material on industrial society and pre-literate societies; B. *The development of social thought*, including required reading of basic texts; and C. *Measurement in the social sciences*.

A. Comparative Sociology

In two parallel streams, the course includes pre-literate societies, emphasizing their economic and social organization, patterns of social control and belief systems; modern industrial societies, including urbanization, work and industrial organization, class differences, structures of power and influence, religion and changing family structure, the role of science and technology, and problems of social change.

PRINCIPAL REFERENCE BOOKS

(i)

- Appelbaum, R. P. *Theories of Social Change*. Markham, 1970.
 Evans-Pritchard, E. E. *The Nuer*. O.U.P., 1940.
 Fox, R. *Kinship and Marriage*. Penguin.
 Gluckman, M. *Politics, Law and Ritual in Tribal Society*. Blackwell.
 Harris, M. *The Rise of Anthropological Theory*. Cromwell, 1968.
 Hart, C. W. & Pilling, A. R. *The Tiwi of Northern Australia*. Holt.
 Lee, R. B. & de Vore, eds. *Man the Hunter*. Aldine-Atherton, 1968.
 Meggitt, M. J. *Desert People*. Chicago U.P.
 Sahlins, M. *The Tribesman*. Prentice-Hall.
 Shanin, T. *Peasants and Peasant Societies*. Penguin.
 Wolfe, E. *Peasants*. Prentice-Hall.

(ii)

- Anderson, M. *The Sociology of the Family*. Penguin.
 Bell, D. *The Coming of Post-Industrial Society*. Basic Books.
 Dahrendorf, R. *Class and Class Conflict in Industrial Society*. Routledge.
 Ford, G. W. & Isaac, J. E. (eds). *Australian Labour Economics*. Sun Books.

- Goldthorpe, J. H. et al. *The Affluent Worker*. C.U.P.
 Halsey, A. H., Floud, J. E. & Anderson, C. A. eds. *Education, Economy, and Society*. Free Press.
 Harrington, M. *The Accidental Century*. Penguin.
 Laslett, P. *The World We Have Lost*. O.U.P.
 Thompson, E. P. *The Making of the English Working Class*. Penguin.

B. Development of Social Thought

PRINCIPAL REFERENCE BOOKS

- Bacon, F. *Novum Organum*. Bobbs-Merrill.
 Comte, A. *The Positive Philosophy*. A.M.P. Press.
 Durkheim, E. *Suicide*. Routledge.
 Durkheim, E. *The Elementary Forms of Religious Life*. Collins.
 Freud, S. *Civilization and its Discontents*. Hogarth Press.
 Freud, S. *Beyond the Pleasure Principle*. Hogarth Press.
 Freud, S. *Introductory Lectures on Psychoanalysis*. Hogarth Press.
 Malinowski, B. *A Scientific Theory of Culture*. Nth. Carolina U.P.
 Malinowski, B. *Sex and Repression in Savage Society*. Various eds.
 Marx, K. & Engels, F. *The German Ideology*. Lawrence & Wishart.
 Marx, K. *The Civil War in France*. Lawrence & Wishart.
 Marx, K. *Economic and Philosophical Manuscripts*. Foreign Languages Publishing House, Moscow.
 Marx, K. *Capital*. Vol. 1. Everyman.
 Mauss, M. *The Gift*. Norton.
 Weber, M. *Class, Status, Party*. In Gerth, E. & Mills, C. W. *From Max Weber*. Routledge.
 Weber, M. *Bureaucracy*. In Gerth, E. & Mills, C. W. *From Max Weber*. Routledge.

C. Measurement in the Social Sciences

The quantitative approach to the study of sociological data and the attendant problems of measurement. The assumptions underlying measurement together with associated concepts such as validity and reliability. Probability theory and the concept of randomness. Sources of sociological data and their reliability. The interpretation of sociological data. The use and abuse of statistics in sociology. An introduction to commonly used statistical techniques, such as chi square and correlation methods.

PRINCIPAL REFERENCE BOOKS

- Bartholomew, D. J. & Basset, E. F. *Let's Look at Figures*. Penguin.
 Bonjean, C. M., Hill, R. J. & McLemore, S. *Sociological Measurement*. Chandler.
 Campbell, D. T. & Stanley, J. C. *Experimental and Quasi-Experimental Research Designs for Research*. Rand McNally.
 Cohen, J. *Chance, Skill and Luck*. Penguin.
 Denzin, N. K. ed. *Sociological Methods: A Source Book*. Butterworths.
 Madge, J. *The Tools of Social Science*. Longman.
 Mann, P. *Methods of Sociological Enquiry*. Blackwood.
 Meck, R. L. *Figuring Out Society*. Fontana.
 Rickman, H. P. *Understanding and the Human Studies*. Heinemann.
 Webb, J. et al. *Unobtrusive Measures: Non-reactive Research in the Social Sciences*. Rand McNally.
 Wiley, M. W. *Sociological Research: A Case Approach*. Harcourt, Brace & World.

53.204 Sociology IIB

Prerequisite: 53.101, 53.102, 53.203.

The course is in three parts:

A. Comparative sociology; B. The development of social thought; C. Field project.

A. (i) The transformation of pre-literate societies in the 20th century. Asia, Africa and Latin America, with special emphasis on Australia and Papua-New Guinea. (ii) Further study of selected issues in modern industrial society.

PRINCIPAL REFERENCE BOOKS

As for 53.203.

B. Required Reading

As for 53.203.

C. Field Project

This part of the course will be an extension of the application of measurement to sociology (as introduced in 53.203), with particular emphasis on a field project employing primarily one particular data collecting method according to the interest of the student and the alternatives available within the School. The project will be a group undertaking and will include the analysis of the data collected, together with the application of the appropriate statistical measures.

PRINCIPAL REFERENCE BOOKS

Bell, C. & Newby, H. *Community Studies: An Introduction to the Sociology of the Local Community*. Praeger.

Festinger, L. & Katz, D. *Research Methods in the Behavioural Sciences*. Holt, Rinehart & Winston.

Goode, S. & Hatt, P. *Methods in Social Research*. McGraw-Hill.

Liggett, J. & Cochrane, C. *Exercises in Social Science*. Constable.

Lumsden, J. *Elementary Statistical Methods*. Western Australia U.P.

Moser, C. *Survey Methods in Social Investigation*. Heinemann.

Oppenheim, A. N. *Questionnaire Design and Attitude Measurement*. Heinemann.

Phillips, B. S. *Social Research: Strategy and Tactics*. Macmillan.

Runyon, R. P. & Haber, A. *Fundamentals of Behavioural Statistics*. Addison-Wesley.

Schofield, M. *Social Research*. Heinemann.

Sillitoe, A. F. *Britain in Figures*. Pelican.

Wakeford, J. *The Strategy of Social Enquiry*. Macmillan.

Advanced Level units**53.503 Sociology II (Advanced)**

Prerequisites: 53.101, 53.102. Co-requisites (or prerequisites): 53.203, 53.204.

The impact of Marxist theories of society on the development of sociological theory.

PRINCIPAL REFERENCE BOOKS

Lists are issued to students during the year.

Upper Level units

53.205 Sociology IIIA

Prerequisite: 53.204.

A. The development of social thought, including required reading of basic texts.

TEXTBOOKS

- Fichte, J. G. *The Science of Knowledge*. Appleton-Century Crofts.
 Gouldner, A. W. *The Coming Crisis of Western Sociology*. Heinemann.
 Habermas, J. *Toward a Rational Society*. Beacon Press.
 Levi-Strauss, C. *The Elementary Structures of Kinship*. Social Science Paperbacks.
 Levi-Strauss, C. *The Savage Mind*. Weidenfeld & Nicolson.
 Lewin, K. *Field Theory in Social Science*. Harper & Row.
 Mannheim, K. *Ideology and Utopia*. Routledge.
 Merton, R. K. *Social Theory and Social Structure*. Free Press.
 Parsons, T. *The Social System*. Harvard U.P.
 Radcliffe-Brown, A. R. *A Natural Science of Society*. Free Press.
 Robinson, J. *Economic Philosophy*. Penguin.
 Sartre, J. P. *Being and Nothingness*. Methuen.
 Schutz, A. *Collected Papers*. Nijhoff.
 Tocqueville, A. de. *The Old Regime and the Revolution*. Princeton U.P.

B. 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; 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.

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.

1. *Sociology of Deviance*

The characteristics of social deviance. Theories of deviant behaviour. Types of deviants and aspects of social and criminal deviance. Social control and development of correctional treatment.

PRINCIPAL REFERENCE BOOKS

- Cohen, S. & Young, J. *The Manufacture of News: Social Problems, Deviance and the Mass Media*. Constable.
 Cohen, S. *Images of Deviance*. Penguin.
 Douglas, J. D. ed. *Observations of Deviance*. Random House.
 Lemert, E. M. *Human Deviance, Social Problems and Social Control*. Prentice-Hall.
 Rock, P. & McIntosh, M. eds. *Deviance and Social Control*. Tavistock.
 Rubington, R. & Weinberg, M. S. eds. *Deviance: The Interactionist Perspective*. Collier-Macmillan.
 Taylor, L. *Deviance and Society*. Nelson.
 Wheeler, H. ed. *Beyond the Punitive Society*. Wildwood House.

2. *Social Attitudes*

The role of personality differences in influencing the relations people adopt to societal institutions. The reciprocal effects of societal institutions on the formation of personality. Due to 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.

PRINCIPAL REFERENCE BOOKS

- Adorno, T. W. Frenkel-Brunswick, E., Levinson, D. J. & Sanford, R. N. *The Authoritarian Personality*. Harper.
 Brown, R. *Social Psychology*. Free Press. Chapters on Authoritarianism and Need for Achievement.
 Christie, R. & Jahoda, M. *Studies in the Method and Scope of "The Authoritarian Personality"*. Free Press.
 Eysenck, H. J. *The Psychology of Politics*. Routledge.
 Lipset, S. M. *Political Man*. Doubleday.
 Kirscht, J. P. & Dillehay, R. C. *Dimensions of Authoritarianism*. Kentucky U.P.
 McKenzie, R. & Silver, A. *Angels in Marble*. Heinemann.

Other references from journal literature are given during the course.

3. *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'.

PRINCIPAL REFERENCE BOOKS

- Becker, E. *The Birth and Death of Meaning: A Perspective in Psychiatry and Anthropology*. Free Press.
- Berne, E. *The Games People Play*. Penguin.
- Fanon, F. *Black Skin, White Masks*. Paladin.
- Goffman, E. *The Presentation of Self in Everyday Life*. Penguin.
- Laing, R. D. & Esterson, A. *Sanity, Madness and the Family*. Pelican.
- Laing, R. D., Phillipson, H. & Lee, A. R. *Interpersonal Perception*. Tavistock.
- Sartre, J.-P. *Being and Nothingness*. Methuen.
- Wilden, A. *System and Structure: An Essay in Communication and Exchange*. Tavistock.

4. *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.

PRINCIPAL REFERENCE BOOKS

- de Beauvoir, S. *The Second Sex*. Four Square.
- Department of Labour. *The Role of Women in the Economy*. Govt. Publishing Service.
- Encel, S., MacKenzie, N. & Tebbutt, M. *Women and Society: An Australian Study*. Cheshire.
- Firestone, S. *The Dialectic of Sex*. Bantam.
- Millett, K. *Sexual Politics*. Hart-Davis.
- Mitchell, Juliet, *Woman's Estate*. Penguin.
- Oakley, A. *Sex, Gender and Society*. Temple Smith.
- Safilios-Rothschild, C. ed. *Toward a Sociology of Women*. Xerox.
- Sullerot, E. *Woman, Society and Change*. Home University Library.

5. *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.

PRINCIPAL REFERENCE BOOKS

- Durkheim, E. *The Elementary Forms of Religious Life*. Collins.
- Nottingham, E. *Religion and Society*. Random House.
- O'Dea, T. *The Sociology of Religion*. Prentice-Hall.
- Vernon, G. *Sociology of Religion*. McGraw-Hill.
- Weber, M. *The Sociology of Religion*. New Thinkers Library, Watts.
- Yinger, J. M. *Sociology Looks at Religion*. Macmillan.

6. *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.

PRINCIPAL REFERENCE BOOKS

- Bell, R. *Premarital Sex in a Changing Society*. Spectrum, Prentice-Hall.
 Brecher, E. M. *The Sex Researchers*. Little, Brown.
 Buckley, K. *Offensive and Obscene*. Ure Smith.
 Cleaver, E. *Soul on Ice*. Cape.
 Comfort, A. *Sex in Society*. Penguin.
 Craig, A. *The Banned Books of England and Other Countries: A Study of the Conception of Literary Obscenity*. Allen & Unwin.
 De Rougemont, D. *Passion and Society*. Faber. (*Love in the Western World*. Harcourt, Brace & World.)
 Dutton, G. & Harris, M. eds. *Australia's Censorship Crisis*. Sun Books.
 Fox, R. G. *The Concept of Obscenity*. Law Book Co., Melbourne.
 Freud, S. *Three Essays on the Theory of Sexuality*. Hogarth.
 Preyer, P. *Mrs. Grundy: Studies in English Prudery*. Corgi.
 Taylor, G. *Sex in History*. Thames & Hudson.
 Young, W. *Eros Denied*. Grove Press.

7. *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.

PRINCIPAL REFERENCE BOOKS

- Apple, D. ed. *Sociological Studies in Health and Illness*. McGraw-Hill.
 Balint, M. *The Doctor, the Patient and his Illness*. Pitman.
 Freidson, E. *The Hospital in Modern Society*. Free Press.
 Goffman, E. *Asylums*. Anchor Books.
 Jaco, E. G. *Patients, Physicians and Illness*. Free Press.
 Mechanic, D. *Medical Sociology: A Selective View*. Free Press.
 Opler, M. K. ed. *Culture and Mental Health*. Macmillan.
 Paul, B. D. ed. *Health, Culture and Community*. Russel Sage Foundation.
 Read, M. *Culture, Health and Disease*. Tavistock.
 Scott, W. & Volkhart, E. eds. *Medical Care: Readings in the Sociology of Medical Institutions*. Free Press.
 Sigerist, H. *Primitive and Archaic Medicine*. O.U.P.
 Sigerist, H. *The Sociology of Medicine*. M. D. Publications.
 Simmons, L. W. & Wolff, H. G. *Social Science in Medicine*. Russel Sage Foundation.
 Soddy, K. & Ahrenfeldt, R. *Mental Health in Contemporary Thought*. Tavistock.
 Zilboorg, G. A. *History of Medical Psychology*. Norton.

8. *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.

PRINCIPAL REFERENCE BOOKS

- Bensman, J. & Vidich, B. *Small Town in Mass Society*. N.Y.U.P.
 Coulanges, F. de. *The Ancient City*. Doubleday Anchor, N.Y.
 Hindess, B. *The Decline of Working Class Politics*. Paladin.
 Pahl, R. E. *Patterns of Urban Life*. Longman.

- Simmel, G. *The Metropolis and Mental Life in Sociology of Georg Simmel*. Wolff, K. H. trans. Free Press.
 Tonnies, F. *Gemeinschaft und Gesellschaft*. Loomis, C. P. trans. N.Y.U.P.
 Weber, M. *The City*. Martindale, D. & Neuwirth, G. trans. Free Press.
 Whyte, W. H. *The Organization Man*. N.Y.U.P.
 Wirth, L. *Urbanism as a Way of Life*. Vol. 44. Am. Journ. of Soc. 1938.

9. 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.

PRINCIPAL REFERENCE BOOKS

- Guiles, F. L. *Norma Jean*. Allen.
 Jarvie, I. *Towards a Sociology of the Cinema*. Routledge.
 MacCann, R. D. *Film and Society*. Dutton.
 Smallman, K. *Creative Film-Making*. Collier.

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.

10. 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.

PRINCIPAL REFERENCE BOOKS

- Allport, G. *The Nature of Prejudice*. Doubleday.
 Banton, M. *Race Relations*. Tavistock.
 Brown, D. *Bury My Heart at Wounded Knee*. Pan.
 Essien-Udom, E. *Black Nationalism*. Penguin.
 Jackson, G. *Soledad Brother*. Penguin.
 Myrdal, G. *An American Dilemma*. Harper & Row.
 Rex, J. & Moore, R. *Race, Community and Conflict*. O.U.P.
 van den Berghe, P. *South Africa: A Study of Conflict*. California U.P.

11. 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.

PRINCIPAL REFERENCE BOOKS

- Berger, P. & Luckmann, T. *The Social Construction of Reality*. Penguin.
 Bradbury, M. *The Social Context of Modern English Literature*. Blackwell.
 Burns, T. & Burns, E. ed. *Sociology of Literature and Drama*. Penguin.
 Goodlad, J. S. R. *The Sociology of Popular Drama*. Heinemann.
 Laurenson & Swingewood. *The Sociology of Literature*. Paladin.
 Lowenthal, L. *Literature and the Image of Man*. Beacon.

McQuail, D. ed. *Sociology of Mass Communication*. Penguin.

Watt, I. *The Rise of the Novel*. Penguin.

Williams, R. *The Country and the City*. Chatto & Windus.

12. *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.

PRINCIPAL REFERENCE BOOKS

Borrie, W. D. ed. *The Cultural Integration of Migrants*. UNESCO.

Eisenstadt, S. N. *The Absorption of Immigrants*. (Esp. Chs I, VII and Conclusion), Free Press.

Gordon, M. M. *Assimilation in American Life*. O.U.P.

Price, C. A. *Australian Immigration: A Bibliography and Digest*. No. 1, ANU, and Number 2, ANU.

Price, C. A. ed. *The Study of Immigrants in Australia*. ANU.

Price, C. A. *The Study of Assimilation*. In Jackson, J. A. ed. *Migration*. C.U.P.

Startup, R. *A Sociology of Migration?* In *Sociological Quarterly*. Vol. 12 No. 2, 1971.

Schutz, A. *The Stranger*. In *Collected Papers of Alfred Schutz*. Nijhoff.

Simmel, G. *The Web of Group Affiliations*. In *Conflict and the Web of Group Affiliations*. Free Press.

van den Berghe, P. *Race and Ethnicity: Essays in Comparative Sociology*. Basic Books.

Ware, C. *Emigration and Ethnic Communities*. In *International Encyclopedia of the Social Sciences*.

Weber, M. *Ethnic Groups*. In Parsons, T. ed. *Theories of Society*. Free Press.

53.206 Sociology IIIB

Prerequisite: 53.205.

(A) The development of social thought, including required reading of basic texts.

TEXTBOOKS

As for 53.205.

(B) 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.

Sociology of the Family; 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.

1. *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.

PRINCIPAL REFERENCE BOOKS

- Aries, P. *Centuries of Childhood*. Cape.
 Bott, E. *Family and Social Network*. Tavistock.
 Fletcher, R. *Britain in the Sixties: Marriage and Family*. Penguin.
 Firestone, S. *The Dialectic of Sex*. Cape.
 Gavron, H. *The Captive Wife*. Penguin.
 Harris, C. C. *The Family*. Allen & Unwin.
 Laing, R. D. & Esterson, A. *Sanity, Madness and the Family*. Penguin.
 Willmott, P. & Young, M. *Family and Class in a London Suburb*. Routledge.

2. 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.

PRINCIPAL REFERENCE BOOKS

- Bottomley, A. K. *Decisions in the Penal Process*. Martin Robertson.
 Congalton, A. A. & Najman, J. M. *Unreported Crime* (Report No. 12); *Who Are The Victims?* (Report No. 13); *Safety in the Suburbs* (Report No. 14); Bureau of Crime Statistics and Research, N.S.W.
 Haskell, M. R. & Yablonsky, L. *Crime and Delinquency*. Rand McNally.
 Hogarth, J. *Sentencing as a Human Process*. U. of Toronto.
 Hood, R. & Sparkes, R. *Key Issues in Criminology*. Weidenfeld & Nicolson.
 Letkemann, P. *Crime as Work*. Prentice-Hall.
 Radzinowicz, L., & Wolfgang, M. eds. *Crime and Justice*. 3 vols. Basic Books.
 Taylor, I., Walton, P. & Taylor, J. *The New Criminology*. Routledge.

3. 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.

PRINCIPAL REFERENCE BOOKS

- Abrahamson, M. *The Professional in the Organisation*. Rand McNally.
 Bernal, J. D. *Science in History*. Watts.
 Faunce, W. A. *Problems of an Industrial Society*. McGraw-Hill.
 Greenberg, D. S. *The Politics of American Science*. Penguin.
 Haldane, J. B. S. *Science Advances*. Allen & Unwin.
 Kuhn, T. S. *The Structure of Scientific Revolutions*. Chicago U.P.
 Lilley, S. *Men, Machines and History*. Cobbett Press, London.
 Mead, M. *Cultural Patterns and Technical Change*. Mentor.
 Merton, R. K. *Social Theory and Social Structure*. Free Press.
 Price, D. J. de S. *Science since Babylon*. Yale U.P.
 Sarton, G. *A History of Science*. O.U.P.
 Scientific American. *Science, Conflict and Society*. Freeman.
 The "Sussex Group". *World Plan of Action*. United Nations Economic and Social Council, N.Y.

Walker, C. R. *Technology, Industry, and Man: The Age of Acceleration*. McGraw-Hill.

White, L. *Medieval Technology and Social Change*. O.U.P.

4. *Sociology of Religion B*

Comprises 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 institutionalisation of religion; (6) Religion and other social institutions; (7) An evaluation of the contribution of the major theorists to the sociology of religion.

PRINCIPAL REFERENCE BOOKS

Glock, C. Y. & Stark, R. *Religion and Society in Tension*. Rand McNally.

Malinowski, B. *Magic Science and Religion, and Other Essays*. Doubleday.

Martin, D. *Sociology of English Religion*. S.C.M. Press.

Mol, J. *Religion in Australia*. Nelson.

Radcliffe-Brown, A. *Taboo*. C.U.P.

Robertson, R. *Sociology of Religion—Selected Readings*. Penguin.

Wilson, B. *Religion in a Secular Society*. New Thinkers Library, Watts.

5. *Sex and Society B*

The influence of Freudian thought on sociological theory, particularly as it concerns the interplay of character and social structure.

PRINCIPAL REFERENCE BOOKS

Brown, J. A. C. *Freud and the Post-Freudians*. Pelican.

Erikson, E. H. *Childhood and Society*. Basic Books.

Freud, S. *Collected Works*. Hogarth Press.

Fromm, E. *The Fear of Freedom*. Routledge.

Hall, C. S. *A Primer of Freudian Psychology*. Mentor.

Jones, E. *The Life and Work of Sigmund Freud*. Pelican.

Malinowski, B. *Sex and Repression in Savage Society*. Various editions.

6. *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.

PRINCIPAL REFERENCE BOOKS

Boyd, R. *Australia's Home*. M.U.P.

Bryson, L. & Thompson, F. *An Australian Newtown*. Penguin.

Brennan, T. *New Community*. A. & R.

Davies, J. G. *The Evangelistic Bureaucrat*. Tavistock.

Davies, A. F. & Encel, S. eds. *Australian Society*. Cheshire.

Michelson, W. *Man and His Urban Environment*. Addison-Wesley.

Parker, R. S. & Troy, P. N. eds. *The Politics of Urban Growth*. A.N.U.

Stretton, H. *Ideas for Australian Cities*. Georgian House.

Williams, O. *Metropolitan Political Analysis*. Free Press.

7. *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.

PRINCIPAL REFERENCE BOOKS

- Rowley, C. D. *The Destruction of Aboriginal Society*. A.N.U.P.
 Rowley, C. D. *The Remote Aborigines*. A.N.U.P.
 Rowley, C. D. *Outcasts in White Australia*. A.N.U.P.
 Stevens, F. ed. *Racism: The Australian Experience*. Vol. 1. *Prejudice and Xenophobia*. Vol. 2. *Black Versus White*. Vol. 3. *Colonialism*, A.N.Z. Book Co.
 Stuart, D. *Yandy*. Georgian House.

8. *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.

PRINCIPAL REFERENCE BOOKS

- Bellow, S. *Mr Sammler's Planet*. Penguin.
 Chekhov, A. "The Cherry Orchard". In *Plays*. Penguin.
 Dickens, C. *Hard Times*. Penguin.
 Flaubert, G. *Madame Bovary*. Penguin.
 Gaskell, E. *Mary Barton*. Penguin.
 Lawler, R. *Summer of the Seventeenth Doll*. Fontana.
 Solzhenitsyn, A. *A Day in the Life of Ivan Denisovich*. Penguin.
 White, P. *Riders in the Chariot*. Penguin.
 Lessing, D. *The Golden Notebook*. Panther.
 Zola, E. *Germinal*. Penguin.

9. *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.

PRINCIPAL REFERENCE BOOKS

- de Grazia, S. *Of Time, Work and Leisure*. 20th C. Fund.
 Parker, S. R. *The Future of Work and Leisure*. Praeger.
 Vonnegut, K. *Player Piano*. Paladin.
 Berger, P. *The Human Shape of Work*. Macmillan.
 Herzberg, F. *Work and the Nature of Man*. Staples Press. London.
 Harrington, M. *The Accidental Century*. Weidenfeld & Nicolson.
 Fabun, D. *The Dynamics of Change*. Prentice-Hall.
 Parker, S. et al. *Leisure in British Society*. McGibbon & Kee.
Symposium on the Technological Society. Santa Barbara.

10. *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.

PRINCIPAL REFERENCE BOOKS

- Bendix, R. & Lipset, S. M. *Class, Status and Power*. Free Press.
 Bottomore, T. B. *Elites and Society*. Watts.
 Congalton, A. A. *Status and Prestige in Australia*. Cheshire.
 Dahrendorf, R. *Class, and Class Conflict in Industrial Society*. Stanford U.P.

Encel, S. *Equality and Authority: Class, Status and Power in Australia*. Cheshire.

Lenski, G. *Power and Privilege: A Theory of Social Stratification*. McGraw-Hill.

Tumin, M. M. *Social Stratification: The Forms and Functions of Inequality*. Prentice-Hall.

11. *Sociology of Migration B*

As for Part A.

Advanced Level units

53.504 Sociology IIIA (Advanced)

Advanced Sociological Research

Prerequisites: 53.203, 53.204. Co-requisites: 53.205, 53.206.

The course will be concerned with measurement and types of sampling in sociology as related to the process of theory testing and refinement. A careful distinction will be maintained between data collection and data analysis, with emphasis on the place of hypotheses in sociological research. The application of statistics to both data and sampling will involve both parametric and non-parametric techniques.

PRINCIPAL REFERENCE BOOKS

Borko, H. *Computer Analysis in the Behavioural Sciences*. Prentice-Hall.

Brier, A. and Robinson, I. *Computers and the Social Sciences*. Hutchinson.

Brown, R. *Rules and Laws in Sociology*. Routledge and Kegan Paul.

Denzin, N. K. *The Research Act in Sociology*. Butterworths.

Galtung, J. *Theory and Methods of Social Research*. Allen & Unwin.

Johnson, N. L. & Smith, H. eds. *New Developments in Survey Sampling*. Wiley.

Kahn, T. S. *The Structure of Scientific Revolutions*. U. of Chicago Press.

McKinney, J. C. *Constructive Typology and Social Theory*. Appleton-Century-Crofts.

Rozenberg, M. *The Logic of Survey Analysis*. Basic Books.

Sjoberg, G. & Nett, R. *A Methodology for Social Research*. Harper & Row.

Stuart, A. *Basic Ideas of Scientific Sampling*. Griffin.

53.514 Sociology IIIB (Advanced)

Advanced Sociological Theory

Prerequisites: 53.203, 53.204. Co-requisites: 53.205, 53.206.

Advanced sociological theory. Students may choose to specialize in relation to particular areas and/or particular theorists.

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

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 will be studied intensively. As soon as practicable tutorial classes will be conducted entirely in Spanish.

TEXTBOOKS

Durán, G. & M. *Vivir hoy*. Harcourt, Brace, Jovanovich. Paperback.

Locke, P. *Ealing Course in Spanish*. Longman. Paperback.

Smith, C. C. *Langenscheidt's Standard Dictionary: English-Spanish, Spanish-English*. Hodder & Stoughton.

PRINCIPAL REFERENCE BOOKS

Cheyne, G. J. G. *A Classified Spanish Vocabulary*. Harrap.

Peers, E. A. *Cassell's Spanish-English, English-Spanish Dictionary*. Cassell.

Ramsden, H. *An Essential Course in Modern Spanish*. Harrap.

Smith, C. C. *Collins' Spanish-English, English-Spanish Dictionary*. Collins.

2. History and Society**SESSION 1**

An introduction to Spanish studies.

TEXTBOOKS

Atkinson, W. C. *A History of Spain and Portugal*. Penguin.

Elliott, J. H. *Imperial Spain, 1469-1716*. Penguin.

Gudiol, J. *The Arts of Spain*. Thames & Hudson. Paperback.

Trend, J. B. *The Civilization of Spain*. O.U.P.

SESSION 2

An introduction to 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 U.P. Paperback.

Stein, S. & B. *The Colonial Heritage of Latin America*. O.U.P. Paperback.

3. Literature**SESSION 2**

Tutorials on modern Spanish literary texts of the twentieth century, introducing the rudiments of literary criticism.

TEXTBOOK

Burns, A. *Doce cuentistas españoles de la posguerra*. Harrap.

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. Language**SESSIONS 1 AND 2**

(a) An introduction to linguistics with special reference to Spanish. Where possible, Spanish will be the language of instruction.

(b) Practical language seminars.

TEXTBOOK

Stockwell, R. P., Bowen, J. D. & Martin, J. W. *The Grammatical Structures of English and Spanish*. Chicago U.P.

PRINCIPAL REFERENCE BOOKS

Alonso, M. *Gramática del español contemporáneo*. Guadarrama.

Harmer, L. C. & Norton, F. J. *A Manual of Modern Spanish*. University Tutorial P.

Kany, C. E. *American-Spanish Syntax*. Chicago U.P.

Real Academia Española. *Gramática de la lengua española*. Espasa-Calpe.

2. History and Society**SESSION 1**

An introduction to Spanish studies.

TEXTBOOKS

As for 65.501.

PRINCIPAL REFERENCE BOOKS

As for 65.501.

SESSION 2

An introduction to Latin American studies.

TEXTBOOKS

As for 65.501.

PRINCIPAL REFERENCE BOOKS

As for 65.501.

3. Literature**SESSION 1**

A critical study of major works of Spanish literature, 1500-1898.

TEXTBOOKS

Calderón de la Barca, P. *La vida es sueño*. Sloman, A. E. ed. Manchester U.P.

Garcilaso de la Vega. *Poesías castellanas completas*. Clásicos Castalia.

Menéndez Pidal, R. *Flor nueva de romances viejos*. Austral.

Moratin, L. F. de. *La comedia nueva y El sí de las niñas*. Clásicos Castalia.

Pérez Galdós, B. *La de Bringas*. Prentice-Hall.

Rivas, duque de. *Don Alvaro*. Anaya.

Tirso de Molina. *Comedias*. Tomo 1. Clásicos Castellanos, 2.

Vega, Lope de. *Peribáñez, o el comendador de Ocaña*. Clásicos Castellanos, 159.

Selections from the works of Bécquer, Cervantes, Espronceda, Góngora and Quevedo are provided by the School.

SESSION 2

A critical study of major works of Spanish-American literature, 1950-1970.

TEXTBOOKS

Carpentier, A. *Guerra al tiempo*. Compañía General de Ediciones, Mexico.

Fuentes, C. *La muerte de Artemio Cruz*. Fondo de Cultura Económica.

García Márquez, G. *La mala hora*. Sudamericana. Colección Piragua.

Roa Bastos, A. *Hijo de hombre*. Biblioteca Contemporánea, Losada.

Rulfo, J. *El llano en llamas*. Fondo de Cultura Económica.

Vargas Llosa, M. *La ciudad y los perros*. Seix Barral. Biblioteca Breve del Bolsillo, Libros de enlace 17.001.

In addition, selected poetry by Neruda, Parra, Paz and Vallejo is studied.

Upper Level units

65.202 Spanish and Latin American Studies IIA

Prerequisite: 65.501.

1. Language

An intensive study of the Spanish language.

TEXTBOOKS

Locke, P. *Ealing Course in Spanish*. Longman.

Mason, K. L. J. *Advanced Spanish Course*. Pergamon.

Ponce de León, J. L. S. *El arte de la conversación*. Harper & Row.

PRINCIPAL REFERENCE BOOKS

Gerrard, A. B. & Heras, J. de. *Beyond the Dictionary in Spanish*. Cassell.

Peers, E. A. *Cassell's Spanish-English, English-Spanish Dictionary*. Cassell.

Smith, C. C. *Collins' Spanish-English, English-Spanish Dictionary*. Collins.

VOX. *Diccionario general ilustrado de la lengua española*. Spes.

2. History and Society

Aspects of post-Civil-War Spain.

TEXTBOOKS

Payne, S. *Franco's Spain*. Routledge.

Perceval, M. *The Spaniards: How They Live and Work*. David & Charles.

PRINCIPAL REFERENCE BOOKS

Busquets Bragulat, J. *El militar de carrera en España*. Barcelona.

Espinar, M. *Una democracia para España*. Madrid, Ed. Cuadernos para el diálogo.

Funes, R. M. *Análisis general de la economía española, 1960-68*. Barcelona. Ediciones Marte 68.

Rubio, J. *La enseñanza superior en España*. Madrid, Grears.

- Tovar, A. *Universidad y educación de masas*. Barcelona, Ariel.
 Tuñón de Lara, M. *Variaciones en el nivel de vida en España*. Madrid, Ediciones Península.
 Vilar, S. *Protagonistas de la España democrática*. Paris, Ediciones Sociales.
 Welles, B. *Spain: the Gentle Anarchy*. Pall Mall Press.

3. Literature

Literature and Society in Spain, 1900-1960.

TEXTBOOKS

- Cela, C. J. *La familia de Pascual Duarte*. Harrap.
 Fernández Santos, J. *Los bravos*. Harrap.
 García Lorca, F. *La casa de Bernarda Alba*. Biblioteca Contemporánea, Losada.
 Paso, A. *La corbata*. Sublette, E. B. ed. The Odyssey Press.
 In addition, selected essays by Unamuno are studied.

65.203 Spanish and Latin American Studies IIB

Prerequisite: 65.202.

1. Language

As for 65.202.

2. History and Society

A study of contemporary society in Latin America.

PRINCIPAL REFERENCE BOOKS

- Alba, V. *Politics and the Labor Movement in Latin America*. Stanford U.P.
 Cockcroft, J. D., Frank, A. G. & Johnson, Dale L. eds. *Dependence and Underdevelopment*. Doubleday Anchor.
 Fayt, C. *La Naturaleza del Peronismo*. Virachoa.
 Feder, E. *The Rape of the Peasantry*. Doubleday Anchor.
 Germani, G. *Política y sociedad en una época de transición*. Editorial Paidós.
 Goldrich, D. *Sons of the Establishment*. Rand McNally.
 Heath, D. B. & Adams, R. N. *Contemporary Cultures and Societies of Latin America*. Random House.
 Horowitz, I. L., de Castro, J. & Gerassi, J. eds. *Latin American Radicalism*. Vintage, 1969.
 Horowitz, I. L., ed. *Masses in Latin America*. O.U.P.
 Johnson, J. J. *Political Change in Latin America*. Stanford U.P.
 Lewis, O. *Five Families*. Science Editions. Wiley.
 Lipset, S. M. & Solari, A. eds. *Elites in Latin America*. O.U.P.
 Petras, J. & Zeitlin, M. eds. *Latin America. Reform or Revolution?* Fawcett.
 Petras, J. *Politics and Social Structure in Latin America*. Monthly Review.
 Pozas, R. *Juan the Chamula*. California U.P.
 Smith, T. L. *Studies of Latin American Societies*. Doubleday Anchor.
 Stavenhagen, R. ed. *Agrarian Problems and Peasant Movements in Latin America*. Doubleday Anchor.
 Veliz, C. ed. *Obstacles to Change in Latin America*. O.U.P.
 Wagley, C. & Harris, M. *Minorities in the New World*. Columbia U.P.

Wolf, E. & Hansen, E. eds. *The Human Condition in Latin America*. O.U.P.

Wolf, E. *Peasants*. Prentice-Hall.

Zeitlin, M. *Revolutionary Politics and the Cuban Working Class*. Harper Torchbooks.

3. Literature

Introduction to Modern Spanish-American Literature.

TEXTBOOKS

Azueta, M. *Los de abajo*. Richardson, W. A. R. ed. Harrap.

Brotherston, G. & Vargas Llosa, M. eds. *Seven Stories from Spanish America*. Pergamon.

Mallea, E. *Todo verdor perecerá*. Shaw, D. ed. Pergamon.

Quiroga, H. *Cuentos escogidos*. Franco, J. ed. Pergamon.

In addition, selected poetry by N. Guillén and Neruda is studied.

Advanced Level units

65.222 Spanish and Latin American Studies IIA (Advanced)

Prerequisite: 65.501. See Note 1 below.

As for 65.202 plus a study of the poetry of García Lorca.

TEXTBOOK

García Lorca, F. *Antología poética*. Biblioteca Contemporánea, Losada.

PRINCIPAL REFERENCE BOOKS

Alonso, D. *Poetas españoles contemporáneos*. Gredos.

Barea, A. *Lorca: el poeta y su pueblo*. Losada.

Cobb, C. W. *Federico García Lorca*. Twayne.

García Lorca, F. *Obras completas*. Aguilar.

Ramos-Gil, C. *Claves líricas de García Lorca*. Aguilar.

Schonberg, J. L. *A la recherche de Lorca*. La Baconnière.

65.223 Spanish and Latin American Studies IIB (Advanced)

Prerequisite: 65.222. See Note 1 below.

As for 65.203 plus a special study of the theatre of García Lorca.

TEXTBOOKS

García Lorca, F. *Bodas de sangre*. Biblioteca Contemporánea, Losada.

García Lorca, F. *Doña Rosita la soltera*. Biblioteca Contemporánea, Losada.

García, Lorca, F. *La casa de Bernarda Alba*. Biblioteca Contemporánea, Losada.

García Lorca, F. *Yerma*. Biblioteca Contemporánea, Losada.

PRINCIPAL REFERENCE BOOKS

As for 65.222.

Upper Level units

65.212 Spanish and Latin American Studies IIC

Prerequisite: 65.511.

1. *Language*

Spanish grammar and recent developments in linguistics.

TEXTBOOK

No set text.

PRINCIPAL REFERENCE BOOKS

Alonso, M. *Evolución sintáctica del español*. Aguilar.

Fishman, J. A. *Bilingualism in the Barrio*. U.S. Department of Health, Education & Welfare.

Goldin, M. G. *Spanish Case and Function*. Georgetown U.P.

Hadlich, R. L. A. *Transformational Grammar of Spanish*. Prentice-Hall.

Halliday, M. A. K., McIntosh, A. & Stevens, P. D. *The Linguistic Sciences and Language Teaching*. Longman.

Kany, C. E. *American-Spanish Semantics*. California U.P.

Zamora Vicente, A. *Dialectología española*. Gredos.

2. *History and Society*

Aspects of post-civil-war Spain.

TEXT AND PRINCIPAL REFERENCE BOOKS

As for 65.202.

3. *Literature*

Literature and Society in Spain, 1900-1960.

TEXTBOOKS

As for 65.202 plus selected poems from Antonio Machado's *Campos de Castilla*.

65.213 Spanish and Latin American Studies IID

Prerequisite: 65.212.

1. *Language*

As for 65.212.

2. *History and Society*

As for 65.203.

3. *Literature*

Literature and Society in Spanish America, 1900-1950.

TEXTBOOKS

As for 65.203 plus:

Lamb, R. S. ed. *Three Contemporary Latin-American Plays*. Xerox College Publishing.

Advanced Level units

65.232 Spanish and Latin American Studies IIC (Advanced)

Prerequisite: 65.511. See Note 2 below.

As for 65.212 plus a special study of the poetry of García Lorca as prescribed for 65.222.

65.233 Spanish and Latin American Studies IID (Advanced)

Prerequisite: 65.232. See Note 2 below.

As for 65.213 plus a special study of the theatre of García Lorca as prescribed for 65.223.

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; 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 note 3 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 in the School of Sociology.

The relationship between Spain and its empire in America is examined, attention being concentrated on 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*. O.U.P.

PRINCIPAL REFERENCE BOOKS

Boxer, C. R. *The Golden Age of Brazil, 1695-1750*. California U.P.

Boxer, C. R. *The Portuguese Seaborne Empire, 1414-1825*. Penguin.

Chevalier, F. *Land and Society in Colonial Mexico*. California U.P.

Gibson, C. *The Aztecs under Spanish Rule*. Stanford U.P.

Gibson, C. *Spain in America*. Harper & Row.

Hemming, J. *The Conquest of the Incas*. Abacus Books.

Herr, R. *The Eighteenth-Century Revolution in Spain*. Princeton U.P.

Johnson, H. B. *From Reconquest to Empire*. Knopf.

Lockhart, J. *Spanish Peru, 1532-1560*. Wisconsin U.P.

Lynch, J. *Spain under the Hapsburgs*. Blackwell.

Mörner, M. *Race Mixture in the History of Latin America*. Little, Brown.

Padden, R. C. *The Humming Bird and the Hawk*. Harper & Row.

Parry, J. H. *The Spanish Seaborne Empire*. Penguin.

Prado Junior, C. *The Colonial Background of Modern Brazil*. California U.P.

Ricard, R. *The Spiritual Conquest of Mexico*. California U.P.
 Vicens-Vives, J. *An Economic History of Spain*. Princeton U.P.
 Wolf, E. *Sons of the Shaking Earth*. Chicago U.P.

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; 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 Note 3 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 in the School of Sociology.

This unit examines 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 shows 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*. O.U.P.
 Scobie, J. *Argentina: A City and a Nation*. O.U.P.
 Stein, S. & B. *The Colonial Heritage of Latin America*. O.U.P.

PRINCIPAL REFERENCE BOOKS

Baily, S. *Nationalism in Latin America*. Knopf.
 Frank, A. G. *Capitalism and Underdevelopment in Latin America*. Penguin.
 Graham, R. *Independence in Latin America: A Comparative Approach*. Knopf.
 Hamill, H. *Dictatorship in Spanish America*. Knopf.
 Haring, C. H. *Empire in Brazil*. Harvard U.P.
 Hobsbawm, E. J. *The Age of Revolution, 1789-1848*. Mentor.
 Labrousse, A. *The Tupamaros*. Penguin.
 Lynch, J. & Humphreys, R. *Origins of the Latin American Revolutions, 1808-1826*. Knopf.
 Moreno, J. & Mitrani, B. *Conflict and Violence in Latin America*. Crowell.
 Pike, F. *The Conflict between Church and State in Latin America*. Knopf.
 Poppino, R. *Brazil: The Land and People*. O.U.P.
 Ruiz, R. *Cuba: The Making of A Revolution*. Norton.
 Simpson, L. B. *Many Mexicos*. California U.P.
 Tannenbaum, F. *Ten Keys to Latin America*. Knopf.
 Womack, J. *Zapata and the Mexican Revolution*. Penguin.

65.204 Spanish and Latin American Studies IIIA

Prerequisite: any one of 65.203, 65.223, 65.213, 65.233.

1. Language

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. Literature, Thought and History

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*. Clásicos Castellanos, 20 and 23.

(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 U.P.

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

A study of poems by Garcilaso de la Vega, Fray Luis de León, San Juan de la Cruz, Lope de Vega, Góngora and Quevedo. The texts are provided by the School.

(e) the Golden Age theatre

Calderón de la Barca, P. *La vida es sueño*. Sloman, A. E. ed. Manchester U.P.

Calderón de la Barca, P. *El médico de su honra*. Clásicos Castellanos, 142.

Moreto, A. *Teatro*. Clásicos Castellanos, 32.

Tirso de Molina. *Comedias*. Tomo 1. Clásicos Castellanos, 2.

Vega, L. de. *Peribáñez, o el comendador de Ocaña*. Clásicos Castellanos, 159.

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. O.U.P., N.Y.

(h) gauchesque literature

Güiraldes, R. *Don Segundo Sombra*. Beardsell, P. R. ed. Pergamon.

Hernández, J. *Martín Fierro*. Huemul (Col. Clásicos Huemul) or Austral.

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.

Fuentes, C. *Aura*. Era.

García Márquez, G. *La increíble y triste historia de la cándida Eréndida y de su abuela desalmada*. Sudamericana.

Rulfo, J. *Pedro Páramo*. Fondo de Cultura Económica.

(k) *applied linguistics in Spanish*

No textbooks prescribed; necessary materials are provided by the School.

(l) *Spain: 1469-1640*

TEXTBOOK

Elliott, J. H. *Imperial Spain, 1469-1716*. Penguin.

PRINCIPAL REFERENCE BOOKS

Braudel, F. *El Mediterráneo y el mundo mediterráneo en la época de Felipe II*. Fondo de Cultura Económica.

Carande, R. *Carlos V y sus banqueros*. Sociedad de Estudios.

Lynch, J. *Spain under the Hapsburgs*. Blackwell.

Mattingly, G. *The Armada*. Houghton Mifflin.

Menéndez Pidal, R. *Idea imperial de Carlos V*. Austral.

Rule, J. and TePaske, J. *The Character of Philip II*. Heath.

Trevor Davies, R. *The Golden Century of Spain*. Macmillan.

Vicens Vives, J. *Aproximación a la historia de España*. Editorial Vicens Vives.

Vicens Vives, J. *Historia social y económica de España*. Editorial Vicens Vives.

Vicens Vives, J. *Manual de historia económica de España*. Teide.

(m) *nineteenth-century Argentina*

Scobie, J. *Argentina: a City and a Nation*. O.U.P.

(n) *nationalism in Latin America*

Baily, S. *Nationalism in Latin America*. Random House.

(o) *Cuba: 1898-1973*. An analysis of the revolution of 1959 and its background.

Bonachea, R. E. & Valdés, N. P. eds. *Cuba in Revolution*. Doubleday Anchor.

Ruiz, R. *Cuba: The Making of A Revolution*. Norton.

65.205 Spanish and Latin American Studies IIIB

Prerequisite: 65.204.

1. *Language*

As for 65.204.

2. *Literature, Thought and History*

As for 65.204.

Students must study a further two options taken from the list for 65.204.

65.214 Spanish and Latin American Studies IIIC

Prerequisite: any one of 65.203, 65.223, 65.213, 65.233.

1. *Language*

As for 65.204.

2. *Literature, Thought and History*

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.

1. Language

As for 65.204.

2. Literature, Thought and History

As for 65.204.

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 4 and 5 below.

1. Language

As for 65.204.

2. Literature, Thought and History

As for 65.204.

3. Brazilian Studies

An intensive study of Brazilian Portuguese and of Brazilian history and society.

TEXTBOOKS

1. Language

Ellison, F. P. *Modern Portuguese*. Knopf.

2. Civilization and Society

Freyre, G. *Casa-grande e senzala*. Livros do Brasil, Lisbon.

PRINCIPAL REFERENCE BOOK

Smith, T. L. *Brazil: People and Institutions*. Louisiana State U.P.

65.225 Spanish and Latin American Studies IIIB (Advanced)

Prerequisite: 65.224. See Notes 4 and 5 below.

1. Language

As for 65.205.

2. Literature, Thought and History

As for 65.205.

3. Brazilian Studies

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 4 and 5 below.

1. *Language*

As for 65.214.

2. *Literature, Thought and History*

As for 65.214.

Students enrolled in both 65.224 and 65.234 concurrently must study four options taken from the list for 65.204.

In addition, a special study of the twentieth-century Spanish-American essay.

TEXTBOOKS

Martínez Estrada, E. *Radiografía de la pampa*. Biblioteca Contemporánea, Losada.

Mariátegui, J. C. *Siete ensayos de interpretación de la realidad peruana*. Biblioteca Amauta, edición popular, Lima.

Paz, O. *El laberinto de la soledad*. Fondo de Cultura Económica.

Ramos, S. *El perfil del hombre y de la cultura en México*. Austral.

Salazar Bondy, S. *Lima la horrible*. Era, Mexico.

65.235 Spanish and Latin American Studies IIID (Advanced)

Prerequisite: 65.234. See Notes 4 and 5 below.

1. *Language*

As for 65.215.

2. *Literature, Thought and History*

As for 65.215.

Students enrolled in both 65.225 and 65.235 concurrently must study a further four options taken from the list for 65.204.

In addition, a special study of Spanish-American fiction, 1960-1970.

TEXTBOOKS

García Márquez, G. *Cien años de soledad*. Sudamericana.

Fuentes, C. *La región más transparente*. Fondo de Cultura Económica.

Vargas Llosa, M. *La casa verde*. Seix Barral.

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; intensive study of Brazilian Portuguese.

2. *Literature and Thought*

(i) Three special subjects in Spanish and Spanish-American studies.

(ii) One special subject in Brazilian studies.

Candidates for a combined special honours degree shall normally study only two special subjects.

3. *A short thesis in Spanish on a Spanish or Spanish-American subject.*

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.

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 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. 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, 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.

5. 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 or 65.234 or 65.235 instead of units 65.204 and 65.205, 65.214 and 65.215 or 65.214 or 65.215. They may not enrol in 65.224 and 65.235 or 65.225 and 65.234 since neither of these pairs of units may be included in a sequence.

FACULTY OF ARTS TIMETABLE, 1975

This timetable is subject to alteration. Students should consult Faculty and School noticeboards for changes, and for lecture locations prior to enrolment. If a subject is not listed, students should consult the relevant School.

	<i>Subject</i>	<i>Lectures</i>	<i>Tutorials/Practicals</i>
17.011	Biology of Mankind	} M 3-4, W 3-4	Tutorial T 2-3 or Th 4-5 Enrolment for Laboratory classes will be by class cards issued at enrolment
17.021	Comparative Functional Biology		
57.101	World Drama I	M 10-11, T 3-4, W 12-1	To be arranged at first lecture
57.102	World Drama II	M 10-11, T 3-4, W 12-1	
57.103	The Uses of Drama	T 11-12, Th 10-11	
57.104	The Play and its Presentation	T 11-12, Th 10-11	
15.601	Economic History IA (Session 1)	} Group A M 12-1, Th 12-1	M 9-10 or M 10-11 or M 11-12 or M 2-3 or M 3-4 or T 10-11 or T 11-12 or T 12-1 or T 3-4 or T 4-5 or W 9-10 or W 10-11 or W 11-12 or W 12-1 or Th 9-10 or Th 10-11
15.611	Economic History IB (Session 2)		

<i>Subject</i>	<i>Lectures</i>	<i>Tutorials/Practicals</i>
	Group B M 4-5, Th 4-5	or Th 2-3 or Th 3-4 or F 9-10 or F 10-11 or F 11-12 or F 12-1
	Group C M 7-8, Th 7-8	M 5-6 or M 6-7 or M 8-9 or T 6-7 or T 7-8 or W 6-7 or W 7-8 or Th 5-6 or Th 6-7 or Th 8-9
15.701 Economic History IA (Arts) (= 15.602 Commerce)	Group A M 12-1, Th 12-1 Group B M 7-8, Th 7-8	M 10-11 or M 11-12 or M 2-3 or Th 10-11 or Th 11-12 or Th 2-3 or F 11-12 or F 12-1 or F 2-3
15.711 Economic History IB (Arts) (= 15.642 Commerce)		M 6-7 or M 8-9 or Th 5-6 or Th 6-7
15.001 Economics IA	Group A T 11-12, Th 10-11	M 9-10 or M 10-11 or M 2-3 or M 3-4 or T 9-10 or T 10-11 or W 10-11 or Th 11-12 or Th 12-1
	Group B: M 10-11, W 10-11, F 3-4	T 3-4 or W 11-12 or W 12-1 or Th 10-11 or Th 2-3 or F 10-11 or F 12-1 or T 2-3 or T 4-5 or Th 3-4
	Group C: M 10-11, W 10-11, F 3-4	M 11-12 or T 11-12 or T 12-1 or W 9-10 or Th 2-3 or Th 3-4 or F 9-10 or F 11-12 or F 2-3 or M 4-5 or T 4-5 or Th 9-10 or F 4-5
	Group D: M 3-4, W 12-1, F 11-12	As for Group C
	Group E: M 6-7, W 6-7, F 6-7	M 7-8 or M 8-9 or T 6-7 or T 7-8 or W 7-8 or W 8-9
	Group F: M 6-7, W 6-7, F 6-7	M 4-5 or M 7-8 or W 5-6 or F 5-6 or F 7-8 or F 8-9
15.011 Economics IB	Group A: T 11-12, Th 10-11	M 9-10 or M 10-11 or M 2-3 or M 3-4 or T 9-10 or T 10-11 or W 10-11 or Th 11-12 or Th 12-1

<i>Subject</i>	<i>Lectures</i>	<i>Tutorials/Practicals</i>
	<i>Group B:</i> M 10-11, W 10-11, F 3-4	T 3-4 or W 11-12 or W 12-1 or Th 10-11 or Th 2-3 or F 10-11 or F 12-1 or T 2-3 or T 4-5 or Th 3-4
	<i>Group CD:</i> M 10-11, W 10-11, F 3-4	M 11-12 or T 11-12 or T 12-1 or W 9-10 or Th 2-3 or Th 3-4 or F 9-10 or F 11-12 or F 2-3
	<i>Group E:</i> M 6-7, W 6-7, F 6-7	M 7-8 or M 8-9 or T 6-7 or T 7-8 or W 7-8 or W 8-9
	<i>Group F:</i> M 6-7, W 6-7, F 6-7	M 4-5 or M 7-8 or W 5-6 or F 5-6 or F 7-8 or F 8-9
15.062	Economics IID M 10-11, W 10-11	M 11-1 or M 2-4 or M 4-6 or T 9-11 or T 11-1 or W 11-1 or Th 9-11 or Th 11-1 or Th 2-4 or F 10-12
	or M 8-9, W 6-7	M 6-8 or T 5-7 or W 7-9 or Th 5-7 or F 5-7
15.072	Economics IIE M 10-11, W 10-11	M 11-1 or M 2-4 or M 4-6 or T 9-11 or T 11-1 or W 11-1 or Th 9-11 or Th 11-1 or Th 2-4 or F 10-12 or M 6-8 or T 5-7 or W 7-9 or Th 5-7 or F 5-7
	or M 8-9, W 6-7	
15.043	Comparative Economic Systems F 11-1	T 11-12 or T 12-1 or T 3-4 or T 4-5
15.053	Economic Development Th 11-1	T 9-10 or T 10-11 or T 12-1 or T 2-3 or T 4-5 or Th 4-5
	or Th 7-9	T 6-7 or Th 5-6
15.082	Labour Economics W 11-1	F 9-10 or F 10-11 or F 12-1
	or W 5-7	F 5-6 or F 6-7

	<i>Subject</i>	<i>Lectures</i>	<i>Tutorials/Practicals</i>
15.092	The Political Economy of Contemporary Capitalism	M 11-1 or M 6-8	W 10-11 or W 11-12 or F 10-11 or F 11-12 W 6-7 or W 7-8
15.083	Public Finance	T 2-4 or T 7-9	W 4-5 or Th 11-12 or Th 12-1 or Th 3-4 or Th 4-5 W 6-7
15.163	Industrial Organization and Control	M 2-4 or M 7-9	W 11-12 or W 12-1 or W 4-5 or Th 2-3 or Th 3-4 Th 7-8
15.012	Economics IIA Honours	M 11-12, Th 11-12 or M 6-7, Th 6-7	T 2-4 or T 7-9
15.032	Economics IIB Honours	M 11-12, Th 11-12 or M 6-7, Th 6-7	T 2-4 or T 7-9
15.052	Economics IIC Honours	M 12-1, Th 12-1 or M 7-8, Th 7-8	W 4-6
15.013	Economics IIIA Honours	T 11-12, Th 10-11	T 4-6 or W 7-9
15.033	Economics IIIB Honours	T 11-12, Th 10-11	T 4-6
15.173	Research Methods and Methodology	Th 3-5	F 5-6
15.024	Economics IVC	M 2-4.30	
15.034	Economics IVD	M 2-4.30	
15.411	Quantitative Methods A	Group A: M 11-12, Th 11-12	M 9-10 or M 10-11 or T 9-10 or T 10-11 or T 11-12 or T 12-1 or T 3-4 or W 12-1 or Th 9-10 or Th 10-11 or Th 3-4 or F 10-11 or F 11-12 or F 12-1

<i>Subject</i>		<i>Lectures</i>	<i>Tutorials/Practicals</i>
		<i>Group B:</i> M 4-5, Th 4-5	M 2-3 or M 3-5 or T 11-12 or T 4-5 or W 11-12 or Th 2-3 or Th 3-4 or F 12-1
		<i>Group C:</i> M 6-7, Th 6-7	M 5-6 or M 7-8 or M 8-9 or T 6-7 or T 7-8 or Th 5-6 or Th 7-8 or Th 8-9 or W 6-7 or W 7-8
15.421	Quantitative Methods B	<i>Group A:</i> M 11-12, Th 11-12	M 4-5 or T 9-10 or T 10-11 or T 11-12 or T 12-1 or T 2-3 or T 3-4 or W 11-12 or W 12-1 or Th 9-10 or F 10-11 or F 11-12 or F 12-1
		<i>Group B:</i> M 4-5, Th 4-5	M 2-3 or M 3-4 or T 11-12 or T 12-1 or T 3-4 or T 4-5 or W 11-12 or W 12-1 or Th 10-11 or Th 2-3 or Th 3-4 or F 12-1
		<i>Group C:</i> M 6-7, Th 6-7	M 5-6 or M 7-8 or M 8-9 or T 6-7 or T 7-8 or Th 5-6 or Th 7-8 or Th 8-9
15.412	Quantitative Economic Techniques A	T 11-12, W 11-12 or T 6-7, W 7-8	T 10-11 or T 12-1 or T 2-3 or T 3-4 or W 9-10 or W 10-11 or W 12-1 or F 10-11 or F 11-12 T 7-8 or W 6-7 or W 8-9 or F 5-6
15.422	Quantitative Economic Techniques B	T 11-12, W 11-12 or T 6-7, W 7-8	T 10-11 or T 12-1 or T 2-3 or T 3-4 or W 9-10 or W 10-11 or W 12-1 or F 10-11 or F 11-12 T 7-8 or W 6-7 or W 8-9 or F 5-6
50.511	English IA	W 11-12, Th 12-1, F 11-12	To be arranged at first lecture
50.521	English IB	W 11-12, Th 12-1, F 11-12	

	<i>Subject</i>	<i>Lectures</i>	<i>Tutorials/Practicals</i>
50.512	English IIA	W 3-4, Th 3-4, F 3-4	
50.522	English IIB	W 11-12, Th 11-12, F 11-12	
50.513	English IIIA	W 12-1, Th 12-1, F 12-1	
50.532	English IIC (Advanced) As for 50.512*	W 12-1, F 12-1	
56.501	French IA—Introductory French	T 2-3	To be arranged at first lecture
56.511	Contemporary French Language Literature and Civilization	M 4-5, Th 4-5	
56.521	French Language	Th 4-5	
56.512	Pre-Twentieth Century France *Music option	M 4-5, Th 4-5, F 10-11 T 4-5	
56.162	Recent Political and Sociological Speculation by French Intellectuals	W 2-3	
56.103	Modern France A (Session 1)	} M 4-5, T 4-5, Th 3-4, Th 4-5	
56.104	Modern France B (Session 2)		

	<i>Subject</i>	<i>Lectures</i>	<i>Tutorials/Practicals</i>
27.801	Introduction to Physical Geography (Session 1)	} W 5-6, Th 4-5 <i>or</i> W 12-1, F 9-10	Tutorial to be arranged before enrolment Laboratory T 5-8 <i>or</i> W 2-5 <i>or</i> Th 10-1
27.802	Introduction to Human Geography (Session 2)		
27.811	Physical Geography	} W 9-10, Th 5-6 W 9-10, Th 5-6	Tutorial to be arranged before enrolment Laboratory T 2-5 <i>or</i> W 10-1
27.812	Human Geography		
64.501	German IA—Introductory German	M 10-11; 3rd March first meeting	Tutorials to be arranged at first meeting Laboratory: <i>Group A:</i> M 9-10, Th 9-10, F 9-10 <i>Group B:</i> M 11-12, Th 11-12, F 11-12 <i>Group C:</i> M 12-1, Th 12-1, F 12-1
64.511	German IB	} M 12-1; 3rd March first meeting	Tutorials to be arranged at first meeting Laboratory: <i>Group A:</i> T 12-1, Th 12-1 <i>Group B:</i> T 3-4, Th 3-4
64.521	German IC		
64.502	German IIA		
64.512	German IIA (Advanced)		
64.522	German IIB		
	All other Upper Level German courses	M 1-2; 3rd March first meeting	To be arranged at first meeting

	<i>Subject</i>	<i>Lectures</i>	<i>Tutorials/Practicals</i>
51.501	History IA	M 2-3, W 2-3	To be arranged at first lecture
51.511	History IB	M 2-3, W 2-3	
51.521	History IC	M 2-3, W 2-3	
51.532	History IIA—Modern India	T 2-4, W 11-1	
51.542	History IIB—Australia 1788-1974	M 11-12, Th 11-12	
51.552	History IIC—International History since 1914	T 11-12, Th 10-11	
51.562	History IID—South-East Asian History	T 10-11, F 10-11	
51.572	History IIE—The History of the United States	M 12-1, W 12-1	
62.201	The Modern History of Western Cosmology (Session 1)	T 9-10, F 9-10	To be arranged at first lecture
62.211	The Seventeenth Century Intellectual Revolution (Session 1)	T 11-12, Th 2-3	
62.202	The History of Ancient and Renaissance Cosmology	T 9-10, F 9-10	

	<i>Subject</i>	<i>Lectures</i>	<i>Tutorials/Practicals</i>
62.212	The Cultural Impact of the Seventeenth Century Revolution (Session 2)	T 11-12, Th 2-3	
62.223	The Discovery of Time (Session 1)	M 10-11, T 2-3, F 2-3	
62.233	The Social History of 17th & 18th Century Science (Session 1)	M 11-12, T 4-5, Th 11-12	
62.243	The Darwinian Revolution (Session 2)	T 2-3, F 2-3	
62.253	The Social History of 19th & 20th Century Science (Session 2)	M 11-12, T 4-5, Th 11-12	
62.263	The Development of Theories of Matter (Session 1)	T 9-10, Th 4-5, F 9-10	
62.273	The Historical Foundations of Experimental Biology (Session 1)	M 4-5, T 10-11, F 10-11	
62.283	The History of Theories of Generation and Heredity (Session 2)	M 4-5, T 10-11, F 10-11	

	<i>Subject</i>	<i>Lectures</i>	<i>Tutorials/Practicals</i>
15.522	Industrial Relations IA	T 3-4 or T 6-7	M 11-1, or M 2-4 or M 4-6 or T 11-1 or T 4-6 or W 11-1 or Th 11-1 or Th 2-4 or F 2-4 M 6-8, T 7-9 or W 5-7 or Th 6-8
15.532	Industrial Relations IA (Advanced)	T 3-4 or T 6-7	M 4-6
15.542	Industrial Relations IB	T 3-4 or T 6-7	M 11-1 or M 4-6 or T 11-1 or T 4-6 or W 11-1 or Th 11-1 or Th 2-4 or F 2-4 M 7-9 or T 7-9 or Th 7-9 or W 5-7 or Th 5-7
15.552	Industrial Relations IB (Advanced)	T 3-4 or T 6-7	M 4-6
15.523	Industrial Relations IIA	Seminars T 11-1 or T 6-8 or Th 2-4 and M 2-4 or Th 11-1 or Th 6-8	
15.543	Industrial Relations IIB	Seminars T 6-8 or Th 10-12 or Th 2-4 and M 2-4 or M 6-8 or T 11-1	
15.583	Industrial Relations IIC (= Commerce 15.533)	as for 15.523 plus Th 4-6	
15.593	Industrial Relations IID (= Commerce 15.563)	as for 15.543 plus seminar Th 4-6	

	<i>Subject</i>	<i>Lectures</i>	<i>Tutorials/Practicals</i>
10.001	Mathematics I	M 10-11, T 9-10, W 10-11, F 9-10 <i>or</i> M 12-1, T 2-3, Th 12-1, F 2-3 <i>or</i> M 9-10, M 2-3, W 9-10, W 2-3	} Two per week available at various times
10.011	Higher Mathematics I	M 10-11, T 9-10, W 10-11, F 9-10	Two per week available at various times
10.021	Mathematics II (Terminating)	M 9-10, M 2-3, W 9-10, W 2-3	Two per week available at various times
10.111A	Mathematics II	W 11-12, F 11-12 <i>or</i> T 9-10, F 9-10	} Tutorials to be arranged
10.111B		M 4-5, Th 4-5 <i>or</i> T 11-12, Th 9-10	
10.211A		W 12-1, F 12-1 <i>or</i> M 9-10, W 9-10	
10.121A		T 9-10, F 9-10	} Tutorials to be arranged
10.121B		T 11-12, Th 9-10	
10.221A		M 9-10, W 9-10	
52.101	Introductory Philosophy A (Session 1)	} T 10-11, Th 10-11, F 10-11	F 11-12, 12-1, 2-3 or 3-4
52.102	Introductory Philosophy B (Session 2)		
52.163	Descartes (Session 1)	M 12-1, Th 12-1	

	<i>Subject</i>	<i>Lectures</i>	<i>Tutorials/Practicals</i>
52.173	British Empiricism (Session 1)	} W 12-1, F 12-1	
52.233	Argument (Session 2)		
52.213	Sartre (Session 1)	W 2-4	
52.283	Oppression & Liberation (Session 2)	W 2-4	
52.243	Logical Atomism (Session 2)	W 2-4	
52.293	Plato (Session 2)	W 2-4	
54.501	Political Science I	<i>Group A:</i> W 4-5, Th 3-4, F 12-1 <i>or</i> T 6-7, Th 6-8 <i>Group B:</i> T 11-12, W 3-4, Th 10-11 <i>or</i> T 6-7, Th 6-8	To be arranged at enrolment
54.202	Selected Political Theorists	W 10-11	
54.212	Russian Politics (Session 1)	W 11-12, F 12-1	
54.222	U.S. Politics (Session 2)	W 2-3, M 2-3	

	<i>Subject</i>	<i>Lectures</i>	<i>Tutorials/Practicals</i>
54.232	Politics of China (Session 1)	Th 3-4	
54.242	British Government A	M 11-12	
54.252	International Relations	T 3-4	
54.262	Politics of Germany, Italy & France (Session 2)	M 3-4, Th 12-1	
54.272	Politics of India	To be arranged	
54.292	Comparative Foreign Policy	T 2-3	
12.001	Psychology I	M 11-12, T 4-5, Th 11-12 <i>or</i> M 6-7 <i>or</i> M 7-8 <i>or</i> T 6-7	2 hour practical to be arranged at enrolment
12.022	Psychology IIT	<i>Group A:</i> M 3-4, T 3-4 <i>Group B:</i> M 3-4, T 3-4	
12.152	Research Methods II	T 4-5, Th 5-6	
12.052	Basic Psychological Processes II (Session 1)	M 4-5, M 5-6, T 5-6	
12.062	Complex Psychological Processes II (Session 2)	M 4-5, T 5-6, Th 4-5	

	<i>Subject</i>		<i>Lectures</i>	<i>Tutorials/Practicals</i>
59.501	Russian IA—Introductory Russian	W 9-10		<i>Tutorials:</i> Group A: M 10-11, T 10-11, Th 10-11, F 10-11 <i>or</i> Group B: M 12-1, T 12-1, Th 12-1, F 12-1
53.101	Sociology IA (Session 1)	}	M 12-1, T 12-1	To be arranged at first lecture
53.102	Sociology IB (Session 2)			
53.203	Sociology IIA (Session 1)	}	M 11-12, W 12-1, Th 10-11	
53.204	Sociology IIB (Session 2)			
65.501	Spanish & Latin American Studies IA—Introductory Spanish		Th 10-11 <i>or</i> F 10-11	<i>Language Tutorials:</i> Group A: M 9-10, W 9-10, Th 9-10, F 9-10 Group B: M 11-12, W 11-12, Th 11-12, F 11-12 Group C: M 12-1, W 12-1, Th 12-1, F 12-1 Group D: M 2-3, W 2-3, Th 2-3, F 2-3 <i>Language Laboratory:</i> M 10-11 <i>or</i> T 10-11 <i>or</i> T2-3 <i>or</i> Th 1-2

	<i>Subject</i>	<i>Lectures</i>	<i>Tutorials/Practicals</i>
65.511	Spanish & Latin American Studies IB	Th 10-11 or F 10-11	
65.242	S.L.A.S. IIE Spain & Latin America 1400-1810 (Session 1)	M 2-4 (+ extra hour)	
65.243	S.L.A.S. IIF—Latin America 1810-1975 (Session 2)		

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STUDENT'S TIMETABLE

328

THE UNIVERSITY OF NEW SOUTH WALES

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9-10					
10-11					
11-12	psych?			psych?	
12-1	HIS		HIS		
1-2					
2-3					
3-4					
4-5		psych?			
5-6					
6-7	psych?	psych?		psych?	
7-8					
8-9					

continued from inside front cover

The Deputy Registrar (Student Services), Mr. P. O'Brien, is located on the first floor of the Chancellery. See Mr. O'Brien or Mr. S. Briand for matters relating to *financial problems* (he may be able to arrange a loan). 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* contact Mr. J. Grigg (Phone 2143). This section can also advise on matters relating to *discontinuation of subjects* and *termination of courses*.

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 2485.

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.

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. Naphthali. 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. Library enquiries should be directed to 2649.

The Chaplaincy Centre is located in Hut F at the foot of Basser 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 3 of the Union where the SU full-time President or Education vice-President are available to discuss any educational problems you might have. In addition to dispensing free educational advice the SU offers a diverse range of 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 typesetting service, electronic calculators (bulk purchasing), health insurance and AUS insurance, an information referral centre (the Infakt Bus) and publications such as Tharunka, Speer, Concessions Book and counter course handbooks. For information about these phone 2929.

This Handbook has been specially designed as a source of reference for you and will prove useful for consultation throughout the year at this University.

For fuller details about the University—its organization, staff membership, description of courses and so on, you should consult the University 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 General Studies.

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 between one dollar and \$1.50 (plus 20 cents postage), with the exception of General Studies, which is available free of charge.