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BOARD OF VOCATIONAL STUDIES
1968 HANDBOOK



THE UNIVERSITY OF NEW SOUTH WALES



BOARD OF VOCATIONAL STUDIES
1968 HANDBOOK
FIFTY CENTS



THE UNIVERSITY OF NEW SOUTH WALES
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INTRODUCTION

The Board of Vocational Studies was appointed for the purpose of supervising the teaching and examination of subjects which are primarily concerned with vocational training and which do not lend themselves to incorporation into the existing Faculty structure. The Board has similar functions to a Faculty, and reports to the Professorial Board.

The Board governs courses conducted by the School of Education (Graduate Diploma in Education course); the School of Hospital Administration (Diploma, and Master of Hospital Administration courses); School of Wool and Pastoral Sciences (Sheep and Wool Technology (Education Option) course); Department of Industrial Arts (course in Industrial Arts and Graduate Diploma course in Industrial Design); and Department of Social Work (Bachelor of Social Work).

Certain Schools have a dual responsibility e.g. the School of Education is responsible for the Master of Education course in the Faculty of Arts, and the School of Wool and Pastoral Sciences for the undergraduate and graduate courses in Wool Technology in the Faculty of Applied Science.

The present membership of the Board of Vocational Studies comprises:

Professor A. H. Willis, Pro-Vice-Chancellor (Chairman).

Deans of the Faculties of Engineering, Science, Arts, Architecture, Commerce and Applied Science.

Heads of the Schools of Applied Psychology, Education, Hospital Administration, Sociology, and Wool and Pastoral Sciences.

Heads of the Departments of Industrial Arts and Social Work.
Principal of the Alexander Mackie Teachers' College.

The Registrar.

Three members elected by the Professorial Board.

Such other persons as the Board may co-opt.

CALENDAR OF DATES FOR 1968

Term 1: March 4 to May 18
Term 2: June 3 to August 10
Term 3: September 2 to November 2

JANUARY

Monday, 22 Last day for acceptance of applications to enrol by
new students and students repeating First Year
Monday, 29 Australia Day—Public Holiday
Tuesday, 30 to
Saturday, Feb. 10 Deferred examinations

FEBRUARY

Monday, 19 Enrolment week commences for new First Year
students
Friday, 23 Dip. Ed. students enrol at Alexander Mackie College
Monday, 26 Enrolment week commences for students re-enrolling
Dip. Ed. students enrol

MARCH

Monday, 4 First term lectures commence
Friday, 15 Last day of enrolment for new students
Friday, 29 Last day for later year enrolments

APRIL

Monday, 8 to
Tuesday, May 7 Practice teaching (1st session)—Dip. Ed. students only
Friday, 12 to
Monday, 15 Easter
Thursday, 25 Anzac Day—Public Holiday

MAY

Saturday, 18 First term ends

JUNE

Monday, 3 Second term commences
Monday, 10 Queen's Birthday—Public Holiday
Friday, 28 Last day for acceptance of applications for re-
admission after exclusion under rules governing re-
enrolment

JULY

| | |
|------------|--|
| Tuesday, 2 | Foundation Day |
| Friday, 19 | Last day for acceptance of applications for examinations |

AUGUST

| | |
|--------------|--|
| Saturday, 10 | Second term ends, except for Dip. Ed. students |
| Saturday, 17 | Second term ends—Dip. Ed. students |

SEPTEMBER

| | |
|-----------|---|
| Monday, 2 | Third terms commences, except for Dip. Ed. students |
| Monday, 9 | Third term commences—Dip. Ed. students only |

OCTOBER

| | |
|-----------|-------------------------------|
| Monday, 7 | Eight-Hour Day—Public Holiday |
|-----------|-------------------------------|

NOVEMBER

| | |
|-----------------------------------|--|
| Friday, 1 | Third term lectures cease—Dip. Ed. students only |
| Saturday, 2 to Saturday, 9 | Examinations—Dip. Ed. students only |
| Saturday, 2 | Third term lectures cease |
| Saturday, 9 to Saturday, 30 | Examinations (30-week courses) |
| Monday, 11 to Tuesday, Dec. 10 | Practice teaching (2nd session)—Dip. Ed. students only |

1969

Term 1: March 3 to May 17
 Term 2: June 2 to August 9
 Term 3: September 1 to November 1

JANUARY

| | |
|------------------------------------|-----------------------|
| Tuesday, 28 to Saturday, Feb. 8 | Deferred examinations |
|------------------------------------|-----------------------|

FEBRUARY

| | |
|------------|--|
| Monday, 17 | Enrolment week commences for new First Year students |
| Monday, 24 | Enrolment week commences for students re-enrolling |

MARCH

| | |
|-----------|------------------------------|
| Monday, 3 | First term lectures commence |
|-----------|------------------------------|

BOARD OF VOCATIONAL STUDIES

Chairman—Professor A. H. Willis

SCHOOL OF EDUCATION

Professor of Education and Head of School

J. J. Pratt, BA Qld., BEd Melb., FACE

Senior Lecturer

L. M. Brown, MA MEd Syd., PhD Lond.

Lecturer

C. J. Field, MA Syd., DPE

SCHOOL OF HOSPITAL ADMINISTRATION

Professor of Hospital Administration and Head of School

J. R. Griffith, MA BLitt Oxon., AHA

Senior Lecturers

J. C. H. Dewdney, BA MB BS Melb., DPH Lond.

R. C. Gillam, BA Syd., LittB DipEdAdmin N.E., AHA

Lecturers

C. Grant, MA Oxon.

W. J. Penfold, BA Melb., LLB N.Z.

Tutor

Mrs. Audrey Ferguson, BA DipSocStud Syd.

Honorary Associates

D. M. Storey, MB BS Syd., FHA

R. L. Thomas, BCom Melb., FHA, FCIS, AASA

DEPARTMENT OF INDUSTRIAL ARTS

Associate Professor

L. M. Haynes, BA MEd Syd., FAIM, ABPsS, MACE

Lecturers

K. A. Lodge, BE Syd., AIAAE

O. C. McMichael, MSc N.S.W., ASTC

Senior Instructor

H. E. Larsen, Dip(Copenhagen)

Professional Officer

Janice M. Waddell, BA *Melb.*

DEPARTMENT OF SOCIAL WORK

Associate Professor and Head of Department

Norma Parker, BA *W.Aust.*, MA DipSocSci *C.U.A.*

Senior Lecturer

G. Audrey Rennison, MA *Cantab.*, CertSocSci & Admin. *L.S.E.*

Lecturers

Mrs. Kathleen Colby, BA DipSocStud *Melb.*, MS *Col.*

M. R. McCouat, BSocStud *Qld.*

P. A. Vinson, BA DipSocStud *Syd.*, MA DipSoc *N.S.W.*

Instructors

Mrs. Claire Bunday, DipSocStud *Syd.*

Mrs. Julia Moore, DipSocStud *Syd.*

SCHOOL OF WOOL AND PASTORAL SCIENCES

Professor of Wool Technology and Head of School

P. R. McMahon, MAgrSc *N.Z.*, PhD *Leeds*, ARIC, ARACI, MAIAS

Associate Professors of Wool Technology

I. L. Johnstone, BVSc *Syd.*, MAIAS

W. R. McManus, BScAgr *Syd.*, PhD *N.S.W.*, MAIAS

Administrative Assistant

J. E. Lawrence

Senior Lecturers

J. D. McFarlane, BScAgr DipEd *Syd.*, MSc *N.S.W.*, MAIAS

E. M. Roberts, MAgrSc *N.Z.*, PhD *N.S.W.*, MAIAS

K. J. Whiteley, BSc *N.S.W.* PhD *Leeds*, MAIAS

Lecturers

C. L. Goldstone, BAgSc *N.Z.*, RCA (*N.Z.*), MAIAS

J. W. James, BA *Qld.*

J. P. Kennedy, MSc *N.S.W.*, BSc *Oxon.*, MAIAS

Teaching Fellow

J. B. Sherman, BSc *Glas.*

Senior Instructors

J. R. Paynter

R. E. Sallaway

Professional Officer

E. Balasubramaniam, MSc *N.S.W.*, FRMIT, MAIAS, GradAIP

GENERAL INFORMATION

ADMISSIONS OFFICE

The Admissions Office provides intending students (both local and overseas) with information regarding courses, admission requirements, scholarships and enrolment.

Applications for special admission or admission with advanced standing to courses should be made at the Admissions Office. Local residents should apply prior to 31st December of the year preceding that in which admission is sought. Where applicable documentary evidence should be tendered with the application, and copies should accompany original documents, as this will allow the immediate return of the latter. Students applying from overseas for admission to undergraduate courses and to those post-graduate courses which require completion of formal lecture courses should lodge their applications prior to 1st October of the year preceding that in which admission is sought.

Applications for admission to undergraduate courses from students who do not satisfy the requirements for admission (see section on "Requirements for Admission"), from students seeking admission with advanced standing, and from students who have had a record of failure at another university, are referred by the Admissions Office to the Admissions Committee of the Professorial Board.

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

The Admissions Office also receives applications from students who wish 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 commencement of the academic year in which the concession is to apply.

Students wishing to resume their studies after an absence of twelve months or more are required to apply to the Admissions Office for permission to en-rol. It should be noted that, unless

permission has been given to defer their studies for a specified period which will not normally exceed twelve months, students will be required to re-enter the course under the regulations prevailing at the time of resumption. This condition will apply also to students who have been re-admitted to a course after exclusion under the rules restricting students re-enrolling.

The Admissions Office operates an Enrolment Bureau for undergraduate students enrolling in the University for the first time. Details of the procedure to be followed by such students will be published in the preamble to the Higher School Certificate Examination results, or may be obtained on application to the Admissions Office.

The Admissions Office is located on the upper campus in the Chancellery, telephone 663-0351. Office hours are from 9 a.m. to 1 p.m., and 1.45 p.m. to 5 p.m. Monday to Friday. An evening service is provided during the enrolment period.

Bachelor of Social Work—Since personal qualities are of particular significance in the practice of social work, it has been found useful for intending students to be interviewed by a member of staff in the Department of Social Work prior to final enrolment. Prospective applicants are encouraged to make an appointment for an interview as soon as possible after finishing the examination at which they hope to qualify for matriculation.

Matriculation requirements are the same as for the Faculty of Arts. There are no special age requirements, but maturity is taken into consideration before a student may undertake field work.

REQUIREMENTS FOR ADMISSION

Candidates may qualify for entry to undergraduate courses by complying with the matriculation requirements set out in Section A below, or by meeting the relevant requirements specified in Section B, or, for 1968 only, by complying with the special requirements set out in Section C.

SECTION A

MATRICULATION REQUIREMENTS

(To operate from 1st January, 1968)

The following are the revised matriculation requirements of the University of New South Wales consequent upon the introduction of the Higher School Certificate examination which will be held for the first time in 1967.

1. (a) A candidate for any first degree of the University must satisfy the conditions for admission set out hereunder before entering upon the prescribed course for a degree. Compliance with these conditions does not in itself entitle a student to enter upon a course.
- (b) A candidate who has satisfactorily met the conditions for admission and has been accepted by the University shall be classed as a "matriculated student" of the University after enrolment.
- (c) A person who has satisfactorily met the conditions for admission may be provided with a statement to that effect on the payment of the prescribed matriculation fee.
2. Except as elsewhere provided a candidate before being admitted to matriculation shall have passed at the required standard the Higher School Certificate Examination in New South Wales in at least five subjects in accordance with the following conditions:
 - (a) The subjects shall be chosen from the following subjects taken at the first, second or third level, in the Higher School Certificate Examination:
 - A. English.
 - B. (i) French, German, Greek, Latin.
(ii) Ancient History, Art, Economics, Geography, Modern History, Music, Bahasa Indonesia, Chinese, Dutch, Hebrew, Italian, Japanese, Russian, Spanish or such other language as may, in the case of any particular candidate, be approved by the Professorial Board.
 - C. (i) Mathematics.
(ii) Agriculture, Science.
 - D. Industrial Arts (1967 and 1968 Higher School Certificate Examinations only).
 - (b) The subjects shall include:—
 - (i) English,
 - (ii) four subjects at the first or second level, and,
 - (iii) one subject chosen from each of the Groups B and C and of these two subjects at least one must be from Section (i) of either Group B or Group C at the first or second level.
 - (c) The subjects shall NOT include both Art and Music.
3. Mathematics and Science both passed as full courses together shall, for the purpose of matriculation, be counted as three subjects, but otherwise each shall count as one subject.

4. The qualification for matriculation must be obtained at one examination.
5. In addition to the above requirements a candidate for admission to any particular faculty, course or subject shall satisfy the special requirements, if any, pertaining to that faculty, course or subject as set out in the following Schedule A. Where these additional requirements are not satisfied at the same examination as the requirements listed in paragraph 2 they may be met at a separate examination.
6. (a) Notwithstanding the provisions of Clauses 2, 3 and 5 of these requirements, any candidate who has taken the Higher School Certificate Examination in the subject of English and no fewer than any four other subjects named in Clause 2, at any level, may be admitted to matriculation provided he has reached a standard determined from time to time by the Professorial Board*.
- (b) Mathematics and Science both taken as full courses together shall, for the purpose of this clause, be counted as three subjects.
- (c) A candidate qualifying for matriculation under this clause may also be admitted to a particular faculty, course or subject provided:—
 - (i) he satisfies the special requirements pertaining to that faculty, course or subject as set out in the following Schedule A, or
 - (ii) the Professorial Board* deems that his programme of studies for, and his performance at, the Higher School Certificate Examination constitute an adequate preparation for his admission to the particular faculty, course or subject.

Schedule A

ADDITIONAL FACULTY, COURSE AND SUBJECT REQUIREMENTS IN TERMS OF CLAUSE FIVE

(A) FACULTY REQUIREMENTS

APPLIED SCIENCE, ENGINEERING, MEDICINE, SCIENCE

Passes in Mathematics and Science at the first or second level full course.

* See page 17 for Professorial Board's decisions on these matters.

ARCHITECTURE

Passes in Mathematics at the first or second level full course and in Science at the first or second level full course or second level short course provided that the Physics option has been taken in the short course.

COMMERCE

Passes in English at the first or second level and Mathematics at the first or second level full course or second level short course.

ARTS

Passes in English at the first or second level.

(B) COURSE REQUIREMENTS**INDUSTRIAL ARTS (B.Sc. and B.Sc (Tech.)) AND SHEEP AND WOOL TECHNOLOGY (Education Option) (B.Sc.)**

Passes in Science at the first or second level full course and in Mathematics at the first or second level full or short course provided that a student electing to include the subject Mathematics I in his University course shall have passed Mathematics at the first or second level full course.

SOCIAL WORK (B.Soc.Wk.)

As for Faculty of Arts.

(C) SUBJECT REQUIREMENTS**FRENCH I**

Pass in French at the first or second level.

GERMAN I

Pass in German at the first or second level or pass in Introductory German.

INTRODUCTORY GERMAN, INTRODUCTORY SPANISH OR PRELIMINARY ITALIAN

Pass in any other foreign language at the first or second level.

ECONOMICS II OR ECONOMICS III

Passes in English at the first or second level and Mathematics at the first or second level full course or second level short course.

MATHEMATICS I

Pass in Mathematics at the first or second level full course.

GEOLOGY I

Pass in Science at the first or second level full course.

CHEMISTRY I, PHYSICS I OR GENERAL AND HUMAN BIOLOGY

Passes in Mathematics and Science at the first or second level full course.

SECTION B**SUPPLEMENTARY PROVISIONS FOR MATRICULATION**

1. Notwithstanding the provisions of Section A above, candidates may be accepted as "matriculated students" of the University under the following conditions subject to the approval of the Professorial Board:—
 - (a) Any person who holds a diploma from the New South Wales Department of Technical Education, or any other Technical College which may from time to time be recognised by the University, may be admitted to the University as a "matriculated student" with such status as the Board may determine, provided that, in the opinion of the Board, the applicant's qualifications are sufficient for matriculation to the Faculty nominated.
 - (b) The Board may admit as a "matriculated student" in any Faculty with such status as the Board may determine in the circumstances:
 - (i) A graduate of any approved University.
 - (ii) An applicant who presents a certificate from a University showing that he has a satisfactory record and is qualified for entrance to that University, provided that in the opinion of the Board there is an acceptable correspondence between the qualifying conditions relied upon by the applicant and conditions laid down for matriculation to the nominated Faculty of the University of New South Wales.
 - (c)
 - (i) Any person who has completed the first year of the course at the Royal Military College of Australia and submits a certificate from the Commandant to that effect may be admitted as a "matriculated student" of the University.
 - (ii) Any person who has completed a full course of at least three years' prescribed study at the Royal Military College of Australia and produces a certificate

from the Commandant to that effect may be admitted as a "matriculated student" of the University with such status as the Board may determine.

- (d) Any person who has completed satisfactorily the passing out examination of the Royal Australian Naval College and submits a certificate from the Commanding Officer may be admitted as a "matriculated student" of the University.
 - (e)
 - (i) Any person who has completed the first year of the course at the Royal Australian Air Force College and submits a certificate from the Commandant to that effect, may be admitted as a "matriculated student" of the University.
 - (ii) Any person who has completed two years of the course at the Royal Australian Air Force College and submits a certificate from the Commandant to that effect, may be admitted as a "matriculated student" of the University with such status as the Board may determine.
 - (f) An applicant who presents a certificate from another University showing that he is qualified for entrance to that University and setting out the grounds of such qualification, provided that in the opinion of the Professorial Board, there is an acceptable correspondence between the qualifying conditions relied upon by the applicant and the conditions laid down for matriculation to the nominated Faculty of the University of New South Wales.
2. (a) The Professorial Board may in special cases, including cases concerning persons of other than Australian education, declare any person qualified to enter a Faculty as a "provisionally matriculated student" although he has not complied with the requirements set out above, and in so doing may prescribe the completion of certain requirements before confirming the person's standing as a "matriculated student". Students who satisfactorily complete these requirements will be permitted to count the courses so passed as qualifying for degree purposes*.
- (b) Persons over the age of twenty-five years may be admitted to provisional matriculation status provided that—

* The Professorial Board has determined that normally confirmation of standing as a "matriculated student" will require the successful completion of not less than half the normal programme in the first year of enrolment.

- (i) they have satisfactorily completed an approved course of systemic study extending over at least three years after passing the School Certificate Examination, or
 - (ii) they satisfy the Professorial Board that they have reached a standard of education sufficient to enable them profitably to pursue the first year of the proposed course.
 - (c) Any applicant for provisional status may be required to take such examination as the Professorial Board may prescribe before such status is granted.
3. The Professorial Board may at its discretion permit a person, who does not satisfy the requirements for admission, to attend lectures in a subject or subjects at the University, on payment of the prescribed fees provided that such person shall not necessarily have the privileges of "matriculated students" and shall not be eligible to proceed to a degree.

SECTION C

SPECIAL MATRICULATION REQUIREMENTS TO OPERATE IN 1968 ONLY

(DETERMINATIONS OF THE PROFESSORIAL BOARD IN TERMS OF CLAUSE 6 OF THE NORMAL REQUIREMENTS AS SET OUT IN SECTION A ABOVE)

The Professorial Board has determined that, *for 1968 only*,

- (a) a candidate who qualifies by means of the 1967 Higher School Certificate examination to matriculate in any other university in New South Wales or in the Australian National University shall be deemed to have qualified to matriculate in the University of New South Wales under the provisions of Clause 6 of the matriculation requirements set out in Section A above.
- (b) a candidate who achieves at the 1967 Higher School Certificate Examination *a standard acceptable to the Professorial Board* in English and any four other subjects approved for matriculation purposes shall be deemed to have qualified to matriculate in the University of New South Wales under the provisions of Clause 6 of the matriculation requirements set out in Section A above. For this purpose Mathematics and Science both taken as full courses shall count as three subjects.

- (c) the special requirements pertaining to entry to a particular faculty, course or subject, referred to in Clause 6 of Section A shall be as set out in Schedule B.

Schedule B

SPECIAL FACULTY, COURSE OR SUBJECT REQUIREMENTS IN TERMS OF CLAUSE 6 OF THE NORMAL REQUIREMENTS AS SET OUT IN SECTION A ABOVE (TO OPERATE IN 1968 ONLY)

A. FACULTY REQUIREMENTS

APPLIED SCIENCE, ENGINEERING, MEDICINE AND SCIENCE

Passes in Science at the second level short course or higher and in Mathematics either at the second level full course or higher or *at the second level short course at a standard acceptable to the Professorial Board.*

ARCHITECTURE

Passes in Mathematics at the second level short course or higher and in Science, at the second level short course or higher.

COMMERCE

Passes in Mathematics at the second level short course or higher and in English at either the second level or higher or *at the third level at a standard acceptable to the Professorial Board.*

ARTS

A pass in English at the second level or higher, or a pass at the third level *at a standard acceptable to the Professorial Board.*

B. COURSE REQUIREMENTS

(Courses under the control of the Board of Vocational Studies)

SOCIAL WORK COURSE (Bachelor of Social Work)

As for Faculty of Arts.

INDUSTRIAL ARTS COURSE (B.Sc and B.Sc. (Tech.)) and SHEEP AND WOOL TECHNOLOGY (EDUCATION OPTION) COURSE (B.Sc.)

As for Faculties of Applied Science, Engineering, Medicine and Science.

C. SUBJECT REQUIREMENTS

| | |
|-----------------------------|---|
| 10.011 HIGHER MATHEMATICS I | A pass in Mathematics at the second level full course or higher. |
| 10.001 MATHEMATICS I . . . | A pass in Mathematics <i>at the second level short course at a standard acceptable to the Professorial Board.</i> |
| 10.021 MATHEMATICS IT . . . | A pass in Mathematics at the second level short course. |
| PHYSICS I | } As for Faculties of Applied Science, Engineering, Medicine and Science. |
| CHEMISTRY I | |
| GENERAL AND HUMAN BIOLOGY | |
| GEOLOGY I | |
| ECONOMICS II | } As for Faculty of Commerce . |
| ECONOMICS III | |
| FRENCH I | A pass in French at second level or higher. |
| GERMAN I | Pass in German at second level or higher or in Introductory German. |
| INTRODUCTORY GERMAN | } Pass in any other foreign language at second level or higher. |
| INTRODUCTORY SPANISH | |
| PRELIMINARY ITALIAN | |

NOTE: Candidates who depend for matriculation on a pass in a subject "at a standard acceptable to the Professorial Board" (indicated in italics throughout the above statement) may ascertain whether they have satisfied this standard by **written** application to the Registrar which must be lodged not later than 22nd January 1968.

ENROLMENT PROCEDURE

Before enrolling in any of the courses supervised by the Board of Vocational Studies, intending students should contact the School or Department concerned.

UNDERGRADUATE COURSES

First Enrolments

Application for enrolment in first year must wherever possible be made in person to the Student Enrolment Bureau, Kensington, as soon as the results of the Higher School Certificate Examination are published, but in any event not later than 22nd January, 1968.

Students enrolling for the course leading to the degree of Bachelor of Social Work must in their first year enrol in four courses, unless otherwise permitted by the Head of the Department of Social Work. Since personal qualities are of particular significance in the practice of social work, it has been found useful for intending students to be interviewed by a member of staff in the Department of Social Work prior to *final* enrolment. Prospective applicants are encouraged to make an appointment for an interview as soon as possible after finishing the examination at which they hope to qualify for matriculation.

After completing their enrolment, students in Industrial Arts should proceed to the Industrial Arts Office on the western side of Anzac Parade to make arrangements for tutorials and other matters.

Country residents who wish to enrol with the University should write to the Registrar, P.O. Box 1, Kensington, N.S.W., 2033, for a form on which to make their preliminary application. This form must be returned not later than 22nd January, 1968. New students complete their enrolment at a specified appointment time in the second week before the start of First Term. They will be advised of these times after application for enrolment has been made. Fees must be paid on the day of the appointment. However, in special circumstances and provided class places are still available, students may be accepted for enrolment after the prescribed week, subject to the payment of a late fee.

Applicants for enrolment with advanced standing or applicants relying on overseas examinations for matriculation should lodge an application with the Admissions Office prior to 1st October of the year preceding that in which admission is sought.

First Year Repeats. First Year students who fail ALL subjects must apply for re-enrolment to the Student Enrolment Bureau at the times set down for First Enrolments. Other first year repeat students (i.e. those who pass **at least one** subject) follow the procedure set out below for Later Year Enrolments.

Later Year Enrolments

Social Work Course (B.Soc.Wk.)

Before the end of third term, each student must obtain an enrolment form UE3 and form Social Work/68 and attached instruction sheet. After notification of the annual examination results, the student should set out a proposed programme for 1968 on form Social Work/68 and forward or deliver this, together with completed enrolment form UE3 to reach the Head of the Department of Social Work not later than Monday, 22nd January, 1968.

All students, except those classified as First Enrolments (as noted above), must collect their enrolment form, which will contain the authorized programme for 1968, from Room 105, First Floor, Morven Brown Building (Arts/Maths) in accordance with the following timetable.

| | |
|--|---|
| Students whose surnames have initial letters from "A" to "H" | Tuesday, 27th February 2.00 p.m. to 4.30 p.m. |
| Students whose surnames have initial letters from "I" to "P" | Wednesday, 28th February 2.00 p.m. to 4.30 p.m. |
| Students whose surnames have initial letters from "Q" to "Z" | Thursday, 29th February 2.00 p.m. to 4.30 p.m. |

Industrial Arts Course (B.Sc. and B.Sc.(Tech.))

Students in the B.Sc. or B.Sc.(Tech.) degree course in Industrial Arts should attend for re-enrolment in Hut 1 on the western side of Anzac Parade, as follows:

| | |
|-------------------------------|---|
| Full-time Students all Years | Monday, 26th February 10.00 a.m. to 12 noon; and 2.00 p.m. to 7.00 p.m. |
| Part-time Students all Stages | Monday, 26th February 2.00 p.m. to 7.00 p.m. |

POSTGRADUATE COURSES

Diploma in Education

The School will advise students of the re-enrolment arrangements.

Graduate Diploma in Industrial Design

Students wishing to enrol in the Graduate Diploma Course in Industrial Design are required to apply for admission on the appropriate form to the Registrar at least two full calendar months before the commencement of the course.

They will then be notified by letter whether they are eligible to enrol and will be required to complete their enrolment at the Department of Industrial Arts office on the western side of Anzac Parade.

Master of Hospital Administration

Students in this course enrol as follows:—

| | |
|-------------------------|------------------------|
| Room 324, John Goodsell | Friday, 1st March |
| (Commerce) Building | 2.00 p.m. to 5.00 p.m. |

ENROLMENT IN MISCELLANEOUS SUBJECTS

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

Students seeking to enrol in miscellaneous subjects should obtain a letter of approval from the Head of the appropriate School or his representative permitting them to enrol in the subject concerned. The letter should be given to the enrolling officer at the time of enrolment. *Where a student is under exclusion he may not be enrolled in miscellaneous subjects unless given approval by the Professorial Board.*

UNIVERSITY UNION CARD

All students other than miscellaneous students are issued with a University Union membership card. *This card must be carried during attendance at the University and shown on request.*

The number appearing on the front of the card in the space at the top righthand corner is the 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.

A student who loses a Union Card must notify the University Union as soon as possible.

New Students will be issued with University Union Cards by mail to their term address 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. If the Union card is not received within three weeks of fee payment the University Union should be notified.

FEES

UNDERGRADUATE FEES

(a) Degree Courses in Industrial Arts and Sheep and Wool Technology (Education Option)

For the purpose of fee determination assessment is on a term basis.

A full-time course fee will be charged for any term where more than 15 hours' per week instruction, etc., is involved.

- (i) Full-time Course Fee (more than 15 hours' attendance per week)—\$110 per term.

In courses in which the Third Term is limited to five weeks of formal studies the fee for this term is \$55.

- (ii) Part-time Course Fee—over 6 hours' and up to 15 hours' attendance per week—\$55 per term.
- (iii) Part-time Course Fee—6 hours' or less attendance per week—\$28 per term.
- (iv) Course Continuation Fee—A fee per annum of \$23 (no term payment) is payable by:
 - (a) students who have once been enrolled for a thesis and have only that requirement outstanding, or
 - (b) students given special permission to take annual examinations without attendance at the University. (Students in this category are not required to pay the subscriptions to the University Union, the Students' Union, the Sports Association and the Library fee.)

(b) Degree Course in Social Work

- (i) Pass—\$84 per annum per subject or \$28 per term per subject.
- (ii) Distinction Subjects or Honours—an additional \$26 per annum per subject in which distinction or honours are taken in student's second and third years and \$110 per subject per annum in the fourth year.

(c) Diploma in Hospital Administration

The fees for this course are assessed under the following schedule according to the hours shown for the subject irrespective of

whether the course is taken as an internal or external student. An external student in this course is exempt from the Student Activities Fees.

For the purpose of fee determination assessment is on a term basis.

A full-time course fee will be charged for any term where more than 11 hours' per week instruction, etc., is involved.

- (i) Full-time Course Fee (more than 11 hours' attendance per week)—\$92 per term.
- (ii) Part-time Course Fee—over 4 hours' and up to 11 hours' attendance per week—\$55 per term.
- (iii) Part-time Course Fee—4 hours' or less attendance per week—\$28 per term.
- (iv) Course Continuation Fee—A fee per annum of \$23 (no term payment) is payable by:
 - (a) students who have once been enrolled for a thesis and have only that requirement outstanding, or
 - (b) students given special permission to take annual examinations without attendance at the University. (Students in this category are not required to pay the subscriptions to the University Union, the Students' Union, the Sports Association and the Library fee.)

(d) Miscellaneous Subjects

- (i) Undergraduate subjects taken as "miscellaneous subjects" (i.e. not for a degree or diploma) or to qualify for registration as a candidate for a higher degree are assessed according to paragraph (a) above.
- (ii) Students given approval to enrol in a miscellaneous subject or subjects in addition to being enrolled in a course are assessed according to the total hours of attendance as if the additional subject formed part of the course.

POSTGRADUATE FEES

Basis of Fee Assessment

Where course fees are assessed on the basis of term hours of attendance, the hours for each subject for purposes of fee assessment shall be those prescribed in the Calendar. The granting of an exemption from portion of the requirements of a subject in which a student is enrolled does not carry with it any exemption from the payment of fees.

(a) Master of Hospital Administration

- | | |
|--|-----|
| (i) Registration Fee | \$5 |
| (ii) Graduation Fee | \$7 |
| (iii) Course Fee—calculated on the basis of a term's attendance at the rate of \$6 per hour per week. Thus the fee for a programme requiring an attendance of 24 hours per week for the term is \$144. | |

For the Master of Hospital Administration a special course fee per term of \$46 applies in Term 3 of first year and Term I of second year when attendance at the University is limited.

- | | |
|----------------------------------|--|
| (iv) Thesis or Project Fee—\$35. | |
|----------------------------------|--|

(An additional fee of \$23† is payable by students who have completed their final examinations for the degree but have not completed the thesis or project for which they have been previously enrolled.)

(b) Graduate Diploma in Industrial Design

- | | |
|-----------------------------------|-------|
| (i) Registration Fee | \$5 |
| (ii) Award of Diploma Fee | \$7 |
| (iii) Course Fee—Annual Fee | \$225 |

(c) Diploma in Education

- | | |
|--|-----|
| (i) Registration Fee | \$5 |
| (ii) Award of Diploma Fee | \$7 |
| (iii) Course Fee—per annum \$330, or \$110 per term. | |

OTHER FEES

In addition to the course fees set out above, all registered students will be required to pay:—

| | |
|--|------|
| Matriculation Fee—payable at the beginning of first year | \$7 |
| Library Fee—annual fee | \$12 |
| University Union*—entrance fee | \$20 |
| Student Activities Fees | |
| University Union*—annual subscription | \$12 |
| Sports Association*—annual subscription | \$2 |
| Students' Union*—annual subscription | \$4 |
| Miscellaneous—annual fee | \$10 |
| Total | \$28 |

Graduation or Diploma Fee—\$7 payable at the completion of the course.

* Life members of these bodies are exempt from the appropriate fee/s.
 † Students paying this fee who are not in attendance at the University are not required to pay the Student Activities Fees or the Library Fee.

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

Applied Psychology Kit Hiring Charge—\$2 per kit. Additional payment for breakages and losses in excess of \$1 may be required.

Biochemistry Kit Hiring Charge—\$4 per kit. Additional payment for breakages and losses in excess of \$1 may be required.

Chemistry Kit Hiring Charge—\$4 per kit. Additional payment for breakages and losses in excess of \$1 may be required.

Excursion Fee—\$2 per subject (Biology, Botany, Zoology, Entomology).

SPECIAL EXAMINATION FEES

Deferred examination—\$5 for each subject.

Examinations conducted under special circumstances—\$7 for each subject.

Review of examination result—\$7 for each subject.

LATE FEES

First Enrolments.

| | |
|--|------|
| Fees paid on the late enrolment session and before commencement of term | \$6 |
| Fees paid during the 1st and 2nd weeks of term | \$12 |
| Fees paid after the commencement of the 3rd week of term with the express approval of the Registrar and Head of the School concerned | \$23 |

Re-Enrolments.

First Term:

| | |
|--|------|
| Failure to attend enrolment centre during enrolment week | \$6 |
| Fees paid after the commencement of the 3rd week of term to 31st March | \$12 |
| Fees paid after 31st March where accepted with the express approval of the Registrar | \$23 |

Second and Third Terms:

| | |
|--|------|
| Fees paid in 3rd and 4th weeks of term | \$12 |
| Fees paid thereafter | \$23 |
| Late lodgement of Application for Admission to Examinations (late applications will be accepted for three weeks only after the prescribed dates) | \$5 |

WITHDRAWAL FROM COURSE

Students withdrawing from a course are required to notify the Registrar in writing. Fees for the course accrue until a written notification is received.

Where notice of withdrawal from a course is received by the Registrar before the first day of First Term, a refund of all fees paid other than the matriculation fee will be made.

Where a student terminates for acceptable reasons a course of study before half a term has elapsed, one half of the term's fee may be refunded. Where a student terminates a course of study after half a term has elapsed, no refund may be made in respect of that term's fees.

The Library fee is an annual fee and is not refundable where notice of withdrawal is given after the commencement of First Term.

On notice of withdrawal, a partial refund of the Student Activities Fees is made on the following basis:—

University Union—\$2 in respect of each half term.

University of New South Wales Students' Union—where notice is given prior to the end of the fifth week of first term, \$2; thereafter no refund.

University of New South Wales Sports Association—where notice is given prior to 30th April, a full refund is made; thereafter no refund.

Miscellaneous—where notice is given prior to 30th April, \$5; thereafter no refund.

PAYMENT OF FEES

Completion of Enrolment

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 late fee of \$6.

First Year students (including students repeating First Year) must complete enrolment (including fee payment) before they are issued with class timetables or permitted to attend classes. A First Year student who has been offered a place in a course to which entry is restricted and fails to complete enrolment (including fee payment) at the appointed time may lose the place allocated.

Fees should be paid during the prescribed enrolment period but will be accepted without incurring a late fee during the first two

*The enrolment periods for Sydney students are prescribed annually in the leaflets "Enrolment Procedure for New Students" and "Enrolment Procedure for Students Re-enrolling".

weeks of First Term. (For late fees see above). No student is regarded as having completed an enrolment until fees have been paid. Fees will not be accepted (i.e. enrolment cannot be completed) from new students after the end of the second week of term (i.e. 15th March, 1968), 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.

Payment of Fees by Term

Students who are unable to pay their fees by the year may pay by the term, in which case they are required to pay First Term course fees and other fees for the year, within the first two weeks of First Term. Students paying under this arrangement will receive accounts from the University for Second and Third Term fees. These fees must be paid within the first two weeks of each term.

Assisted Students

Scholarship holders or Sponsored Students who have not received an enrolment voucher or appropriate letter of authority from their sponsor at the time when they are enrolling 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.

Extension of Time

Any student who is unable to pay fees by the due date may apply in writing to the Registrar for an extension of time. Such application must give year or stage, whether full-time or part-time, and the course in which the applicant wishes to enrol, state clearly and fully the reasons why payment cannot be made and the extension sought, and must be lodged before the date on which a late fee becomes payable. Normally the maximum extension of time for the payment of fees is until 31st March for fees due in First Term and for one month from the date on which a late fee becomes payable in Second and Third Terms.

Where an extension of time is granted to a First Year student in First Term, such student is not permitted to attend classes until fees are paid, and if seeking to enrol in a restricted Faculty may risk losing the place allocated.

Failure to Pay Fees

Any student who is indebted to the University and who fails to make a satisfactory settlement of his indebtedness upon receipt of

due notice ceases to be entitled to membership and privileges of the University. Such a student is not permitted to register for a further term, to attend classes or examinations, or to be granted any official credentials.

No student is eligible to attend the annual examinations in any subject where any portion of his course fees for the year is outstanding after the end of the fourth week of Third Term (27th September, 1968).

In very special cases the Registrar may grant exemption from the disqualification referred to in the two preceding paragraphs upon receipt of a written statement setting out all relevant circumstances.

RULES RELATING TO STUDENTS

GENERAL CONDUCT

Acceptance as a member of the University implies an undertaking on the part of the student to observe the regulations, by-laws and other requirements of the University, in accordance with the declaration signed at the time of the enrolment.

In addition, students are expected to conduct themselves at all times in a seemly fashion. Smoking is not permitted during lectures, in examination rooms or in the University Library. Gambling is also forbidden.

Members of the academic staff of the University, senior administrative officers, and other persons authorized for the purpose, have authority, and it is their duty, to check and report on disorderly or improper conduct or any breach of regulations occurring in the University.

ATTENDANCE AT CLASSES

Students are expected to be regular and punctual in attendance at all classes in the course or subject in which they 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 a student may be excused by the Registrar from 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 any longer period.

Applications to the Registrar for exemption from re-attendance at classes, either for lectures or practical work, may only be granted on the recommendation of the Head of the appropriate School. The granting of an exemption from attendance does not carry with it exemption from payment of fees.

Application forms for exemption from lectures are available at the Admissions Office and should be lodged there (with a medical certificate where applicable). If term examinations have been missed this fact should be noted in the application.

Where a student has failed a subject at the annual examinations in any year and re-enrols in the same course in the following year, he must include in his programme of studies for that year the subject in which he has 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.

Where a student has attended less than eighty per cent of the possible classes, he may be refused permission to sit for the examination in that subject.

CHANGES IN COURSE PROGRAMMES

Students seeking approval for variation of enrolment programme or seeking to withdraw from subjects must make application to the Head of the School responsible for the course on a form available from school offices. The Registrar will inform students of the decision. Approval of withdrawal from subjects is not automatic, each application being determined after considering the circumstances advanced as justifying withdrawal. It should be noted that a student is regarded as having failed in a subject if he enrolled in it in any year and did not pass the annual examination—not sitting for the examination is regarded as not passing the examination.

RESTRICTION UPON STUDENTS RE-ENROLLING IN UNIVERSITY COURSES

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. These rules will be applied retrospectively from January, 1962, and the attention of students is drawn to them.

- (i) As from 1st January, 1962, a student shall show cause why he should be allowed to repeat a subject in which he has failed more than once. (Failure in a deferred examination as well as in the annual examination counts, for the purpose of this regulation, as one failure). Where such subject is prescribed as a part of the student's course he shall be required to show cause why he should be allowed to continue the course. A student in the medical course shall show cause why he should be allowed to repeat the second year of the course if he has failed more than once to qualify for entry to the third year.
- (ii) Notwithstanding the provisions of Clause (i), a student shall be required to show cause why he should be al-

lowed to continue a course which he will not be able to complete in the time set down in the following schedule:

| <i>Number of years in course</i> | <i>Total time allowed from first enrolment to completion (Years)</i> |
|--------------------------------------|--|
| 3 | 5 |
| 4 | 6 |
| 5 | 8 |
| 6 | 9 |
| 7 | 11 |
| 8 | 12 |

- (iii) No full-time student shall, without showing cause, be permitted to continue a course unless all subjects of the first year of his course are completed by the end of his second year of attendance. No student in the Faculty of Arts shall (without showing cause, be permitted to continue a course unless he completes four subjects, one of which must be from Group II, by the end of his second year of attendance.*

No part-time student shall, without showing cause, be permitted to continue a course unless all subjects of the first two stages of his course are completed by the end of his fourth year of attendance and all subjects of the third and fourth stages of his course by the end of his seventh year of attendance.

No student in the Faculty of Medicine shall, without showing cause, be permitted to continue with the medical course unless he completes the second year of the course by the end of his third year of attendance, and the third year of the course by the end of his fourth year of attendance.

- (iv) A student who has a record of failure in a course at another University shall be required to show cause why he should be admitted to this University. A student admitted to a course at this University following a record of failure at another University shall be required to show cause, notwithstanding any other provisions in these rules, why he should be permitted

* Rule (iii) in so far as it relates to students in the Faculty of Arts will apply retrospectively as from 1st January, 1967, and in so far as it relates to students in the Faculty of Medicine, will apply to students enrolling for the first time in 1967, or thereafter.

to continue in that course if he is unsuccessful in the annual examinations in his first year of attendance at this University.

- (v) Any student excluded under any of the Clauses (i)-(iii) may apply for readmission after two academic years and such application shall be considered in the light of any evidence submitted by him.
- (vi) A student wishing "to show cause" under these provisions shall do so in writing to the Registrar. Any such application shall be considered by the Professorial Board, which shall determine whether the cause shown is adequate to justify his being permitted to continue his course or re-enrol, as the case may be.
- (vii) The Vice-Chancellor may on the recommendation of the Professorial Board exclude from attendance in a course or courses any student who has been excluded from attendance in any other course under the rules governing re-enrolment and whose record at the University demonstrates, in the opinion of the Board and the Vice-Chancellor, the student's lack of fitness to pursue the course nominated.
- (viii) A student who has failed, under the provisions of Clause (vi) of these rules, to show cause acceptable to the Professorial Board why he should be permitted to continue in his course, and who has subsequently been permitted to re-enrol in that course or to transfer to another course, shall also be required to show cause, notwithstanding any other provisions in these rules, why he should be permitted to continue in that course if he is unsuccessful in the annual examinations immediately following the first year of resumption or transfer of enrolment as the case may be.
- (ix) A student may appeal to an Appeals Committee constituted by Council for this purpose against his exclusion by the Professorial Board from any subject or course.

RE-ADMISSION AFTER EXCLUSION

Applications for re-admission must be made on the standard form and lodged with the Registrar not later than 30th June of the year prior to that for which re-admission is sought. An application should include evidence of appropriate study in the subjects (or equivalents) on account of which the applicant was excluded. In addition, evidence that circumstances which were deemed to operate against satisfactory performance at the time of exclusion

are no longer operative or are reduced in intensity should be furnished. An applicant may be required to take the annual examinations in the relevant subjects as qualifying examinations in which case re-admission does not imply exemption from the subject.

It should be noted that a person under exclusion may not be enrolled in miscellaneous subjects unless he has received the approval of the Professorial Board.

Persons who intend applying for re-admission to the University at a future date may seek advice as to ways in which they may enhance their prospects of qualifying for re-admission. Enquiries should be made on a form obtainable from the Examinations Branch, and lodged with the Registrar.

ANNUAL EXAMINATIONS

The annual examinations take place in November-December for students in 30-week courses, and in September for students in 21 and 24-week courses. Timetables showing time and place at which individual examinations will be held are posted on the central notice boards. Misreading of the timetable is not an acceptable excuse for failure to attend an examination. Examination results are posted to the term addresses of students. No results will be given by telephone.

All students (including students enrolled for a thesis only) must lodge an application for admission to examinations by 19th July, 1968.

The Accountant is authorized to receive application forms during the three weeks immediately following the prescribed closing date if they are accompanied by a late fee of \$5. Applications forwarded more than three weeks after the closing date will not be accepted except in very exceptional circumstances and with the approval of the Registrar. Where an application is not accepted the student concerned is not eligible to sit for the examination.

Applications lodged prior to the due date will be acknowledged by postcard. Students who do not receive an acknowledgement within ten days of lodging the application should contact the Examinations Branch or the office of the college attended.

All students in Sydney, Wollongong and Broken Hill receive a pro-forma application for admission to examinations listing the subjects for which the student has formally enrolled. The return of this pro-forma duly completed constitutes the application for admission to examinations. Pro-forma applications will be posted to students on 30th June. Any student who does not receive a pro-forma application must contact the Examinations Branch prior to the date prescribed for the return of applications.

STUDENT SERVICES

THE LIBRARY

The University library is on the upper campus and adjacent to the Chancellery and the Morven Brown and John Goodsell Buildings. The Bio-Medical Library is in the Biological Sciences Building with a branch at Prince Henry Hospital ('Phone: 661-0111). Library services are also available at Sydney Technical College, Wollongong University College and Broken Hill Division.

Each library provides a reference and lending service for staff and students, and is open in term during day and evening sessions. The library service provided by the Sydney Technical College Library is restricted to staff and students in the Department of Optometry.

Staff and students must register with the library or libraries from which they intend to borrow books.

THE UNIVERSITY UNION

The University Union is a common meeting ground for all students. Eating and general recreational facilities are available, as well as a shop for stationery and other student requisites, branches of several banks, a pharmacy, a branch of Anthony Horderns, and hairdressing facilities. Membership is compulsory for all registered students.

STUDENT ACCOMMODATION

Residential Colleges

Accommodation for students is provided within the complex of the Residential Colleges of the University which comprise Basser College, Phillip Goldstein Hall, Philip Baxter College and Post-Graduate Hall. The College complex houses 500 men and women students, as well as staff members. Tutors in residence provide tutorial assistance in a wide range of subjects.

Board and residence fees, which are payable on a term basis, amount to \$18.50 per week. Intending students should apply in writing to the Master, Box 24, Post Office, Kensington, N.S.W. 2033, from whom further information is available.

Other Accommodation

Students requiring other than Residential College accommodation may make application to the Student Amenities Service where current lists are kept of accommodation available at recognised boarding houses, private homes, and in serviced and unserviced apartments.

STUDENT COUNSELLING AND RESEARCH UNIT

Prospective students seeking advice or guidance regarding the selection and planning of courses (particularly in relation to a career), or advice regarding their suitability for a particular course, are invited to consult the University Student Counselling and Research Unit. Appointments may be made by telephone (663-0351, extensions 2600 to 2605).

In addition to its counselling service, the Unit provides a variety of study skills programmes throughout the year, on a group or individual basis. Programmes offered in the past have included Reading Improvement, Study Methods, Written Expression, Note Taking, Studying Mathematics, Improving Listening, Preparing for Statistics.

STUDENT AMENITIES UNIT

This Service is closely associated with the Sports Association and also handles applications for student concession fares and provides a service for students requiring other than College accommodation.

STUDENT EMPLOYMENT UNIT

Assistance is offered in finding full-time employment for evening students, and permanent employment after graduation. The Service is located in the Chancellery, just near the main entrance.

STUDENT HEALTH UNIT

A student health and first aid centre, staffed by a qualified medical practitioner and a nursing sister, is provided by the University. Students are encouraged to attend the centre for advice on all matters pertaining to their health.

CHAPLAINCY SERVICE

This Service is provided for the benefit of students and staff by five Christian Churches (Anglican, Roman Catholic, Methodist,

Baptist, Churches of Christ) 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.

STUDENT LOAN FUND

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 progress with their studies.

Three forms of assistance are available. In the first, the University considers, in certain circumstances, deferment of the payment of fees; this scheme is not intended to replace the established procedure for granting deferment for short periods but rather to supplement it by making deferment over longer periods possible. Secondly, students in need may receive a cash loan not exceeding \$200 from the Student Loan Fund established from contributions made by the Students' Union and the University.

Thirdly, a Students' Union donation of \$1,000 has made possible urgent cash loans not exceeding \$50 for a period of one month.

In all cases assistance is limited to students with reasonable academic records and whose financial circumstances warrant loans. Students granted assistance of either kind are required to give an undertaking to repay the loan under the conditions agreed upon.

Applications are made personally to Mr. J. B. Rowe, Deputy Registrar (Student Services).

SOCIAL WORK STUDENTS ASSISTANCE FUND

A limited fund exists which is intended to help meet the emergency needs of students, for example, illness, sudden loss of income, etc. Applications should be made to any executive member of the association or staff member of the Social Work Department. It is anticipated that the money will be repaid by recipients. Contributions towards the fund are welcomed and should be directed to the Association Treasurer c/- Department of Social Work.

UNIVERSITY CO-OPERATIVE BOOKSHOP LTD.

Membership is open to all students, on payment of a fee of \$5, refundable when membership is terminated. Members receive an annual rebate on purchases of books.

STUDENT ACTIVITIES

Appropriate Faculty Associations are open to students in the various courses. Full details are available in other Faculty hand-books, the following list merely indicating the range.

The Commerce Society; The Arts Faculty Society; Dramsoc; The Historical Society; The Politics Club; The French Society; Socratic Society; The Julian Society; The Wool and Pastoral Science Association.

Social Work Students' Association

This association was formed primarily to give social work students in all years an opportunity to meet each other socially; to learn about specific fields of social work and topics of social interest from professionals; to provide the students with representation on various University and external bodies, to give students an opportunity to air their disagreements and discuss questions about social work in general; and to act as a source of information, and in special cases, financial assistance, to students.

With these aims in view, social functions are arranged, regular meetings held and visits to social work agencies etc., organized. Representatives of the association attend meetings of the Australian Association of Social Workers (N.S.W. Branch) and the Council of Social Service of N.S.W., while contact with student bodies in other universities is maintained, mainly through the Federation of Australian Social Work Students' Association. A regular newsletter is produced to inform students of activities. All students in social work are automatically members of the association. An Annual general meeting is held during the first term of each year, at which the executive committee is elected. Further details may be obtained from the Social Work students notice board and the Enquiries Office of the Department of Social Work, Room 157, Floor 1, Morven Brown Building.

SCHOLARSHIPS

Commonwealth University Scholarships

There are three types: **OPEN ENTRANCE SCHOLARSHIPS**, which are awarded on the results of the Higher School Certificate Examination to students who are under twenty-five years of age on 1st January of the year in which they begin their course and who, with their parents, are permanent residents of Australia; **LATER YEAR SCHOLARSHIPS**, which are available to students who have completed at least one year of a full-time or two years of a part-time course without failure, (age and residential qualifications are the same as for Open Entrance); and **MATURE AGE SCHOLARSHIPS**, which are available to students who are over twenty-five on 1st January of the year for which the scholarship is desired, and who have been residents of Australia for at least two years immediately preceding the award of the scholarship. Benefits include payment of all tuition fees and other compulsory fees and living allowances (these latter being subject to a means test). The closing date for applications is 30th September in the year immediately preceding that for which the scholarship is desired. Full particulars and application forms may be obtained from the Officer-in-Charge, New South Wales Branch Office, Department of Education and Science, La Salle Building, 70 Castlereagh Street, Sydney, N.S.W., 2000 (Telephone 27-5475).

University Scholarships

The University annually awards up to fifteen scholarships tenable in degree courses to students who have matriculated at the Higher School Certificate Examination; ten scholarships to students who have completed certificate courses (Department of Technical Education); ten scholarships to students who have completed Trade Courses (Department of Technical Education); and ten scholarships to part-time students who have taken the Diploma Entrance course of the Department of Technical Education. The scholarships are tenable in any faculty and exempt the holder from payment of course fees during the currency of the scholarship. Scholarships will be awarded in order of merit on the Higher School Certificate Examination results. Continued tenure of the scholarships requires satisfactory progress. They may be held only by persons who do not hold another award. Applications must

be lodged after publication of the Higher School Certificate Examination results and after the announcement of the award of Commonwealth University Scholarships, but not later than 31st January.

Cadetships and Traineeships

The Commonwealth Public Service offers cadetships each year to graduates, undergraduates, and diploma students working for postgraduate diplomas, combined degrees and diplomas, degrees or diplomas in Social Work. A wide range of social work is available in all states and in the Northern Territory and Canberra. Departments employing social workers include The Department of the Interior, The Northern Territory Administration, the Repatriation Department, the Department of Social Services. Applications should be sent to the Secretary, Public Service Board, Canberra, A.C.T., early in July each year.

The New South Wales Public Service offers traineeships from time to time for various departments including the Department of Child Welfare and Social Welfare, and the Parole Service of the Department of Prisons. Applications should be sent to the Public Service Board, Box 2, G.P.O. Sydney, before the beginning of November.

The Hospitals Commission of New South Wales, Red Cross and other voluntary agencies also offer scholarships for advanced students from time to time.

Scholarships in Industrial Arts (B.Sc. Degree)

Two scholarships, valued at \$100 per annum, are offered each year by the Institute of Industrial Engineers to students entering the full-time course in Industrial Arts leading to the B.Sc. degree. The scholarships are tenable for four years, and may not be held concurrently with any award except one providing solely for the payment of compulsory University fees.

Teachers College Scholarships

Scholarships are awarded in open competition in respect of the aggregate of the five best subjects presented at the Higher School Certificate Examination provided that the candidate has a pass in English at any level.

Applicants must have reached the age of sixteen years, and, in general, should not have passed the age of thirty-five years on the date at which training is commenced.

Applications must be made on the form provided. Full-time school pupils may obtain these forms from the principal of the

school of college at the end of second term. Other applications may be made by contacting: Officer-in-Charge, Teacher Training Division, N.S.W. Department of Education, Blackfriars Street, Chippendale, N.S.W., 2008 (Telephone: 211 4566).

Applications for scholarships should be made by *September 30*. Late applications will be considered although no attempt is made to reserve places for late applicants.

Graduates and undergraduates are reminded that later year scholarships are made available from time to time.

Further advice regarding applications for Teachers College Scholarships may be had by contacting the School of Education.

Graduate Diploma in Industrial Design Scholarships

In 1968 the Commonwealth Development Bank and the Rural Bank of New South Wales are making available two scholarships for students who wish to enrol in the postgraduate course in Industrial Design leading to the award of a Graduate Diploma. Applicants should have a University degree or a professional level qualification from a Technical College, or such other qualification as may be approved by the University. Past and present employment experience in industrial design is desirable. The value of each scholarship is \$2,400 per annum for full-time study or \$1,200 per annum for part-time study, from which fees will be deducted. Students successfully completing the course will be eligible to apply for the P & O Orient Company's travelling scholarship for further study and experience abroad.

Scholarships in Hospital Administration

A number of scholarships and cadetships up to the value of \$2,800 plus fees and allowances are available to students enrolling in courses offered by the School of Hospital Administration. Details are available from the Head of the School.

SCHOOL OF EDUCATION

DIPLOMA IN EDUCATION

Since 1966 the Board of Vocational Studies in association with the School of Education and the Alexander Mackie Teachers' College has offered a course leading to the award of the Diploma in Education (Dip.Ed.) to graduate students from this University or from other approved universities. The School of Education also offers a course leading to the award of Master of Education (M.Ed.). Details concerning this course may be found in Section C of the University of New South Wales Calendar. The Diploma is designed to give professional training in education to post-graduate students. It is initially a one-year full-time course of studies but it is anticipated that in the near future it will be possible for this course to be taken over two years on a part-time basis. The course is directed, but not exclusively, towards the preparation of teachers for secondary schools. It includes lectures, seminars, tutorials, individual assignments and group exercises, visits, demonstrations of teaching methods and practice teaching.

Course Outline

| | Hours per week for 3 terms |
|---|-------------------------------|
| 58.001 Principles of Education | 3 |
| 58.002 Educational Practice | 1 |
| 58.003 Australian Education | 1 |
| Seminars* | 2 |
| 58.004 Methods of Teaching (including Demonstration Lessons) | 8 |
| 58.005 Selected Topics | 5 |
| 58.006 Supervised Teaching Practice | ** |

* The seminars will involve discussion of topics from each of the three courses 58.001, 58.002, 58.003.

** Eight weeks' full-time teaching practice in term time. Two weeks experience in classroom practice will also be arranged before the beginning of the academic year.

SCHOOL OF HOSPITAL ADMINISTRATION

The School of Hospital Administration was founded in 1956 with a grant from the W.K. Kellogg Foundation primarily to provide postgraduate education and training in Hospital Administration. It serves the needs of hospitals and health services throughout Australia but overseas candidates may also be admitted.

The School provides a postgraduate formal course leading to the degree of Master of Hospital Administration and an undergraduate course leading to the Diploma in Hospital Administration. In addition, the Master's degree and the degree of Doctor of Philosophy may be taken following periods of full-time or part-time research in hospital and health service administration for which the School offers excellent facilities.

MASTER OF HOSPITAL ADMINISTRATION

The conditions for the award of the degree of Master of Hospital Administration, together with an outline of the formal course are set out below.

In the formal course the students' theoretical instruction is integrated with in-service experience and practical work-training in accordance with the view that administration is a practical art in which theory and practice are complementary and equally essential to the administrator's development.

Conditions for the Award of the Degree of Master of Hospital Administration

1. An application to register as a candidate for the degree of Master of Hospital Administration shall be made on the prescribed form which shall be lodged with the Registrar at least one full calendar month before the commencement of the course.*
2. (i) An applicant for registration for the degree shall have been admitted to an appropriate degree in the University of New South Wales or other approved university.
(ii) In exceptional cases a person may be permitted to register as a candidate for the degree if he submits evidence of such academic and professional attainments as

* Preliminary enquiries regarding registration should be made before 31st August of the year prior to registration.

may be approved by the Professorial Board on the recommendation of the Board of Vocational Studies (hereinafter referred to as "the Board").

3. Notwithstanding any other provisions of these conditions, the Board may require an applicant to demonstrate fitness for registration by carrying out such work and sitting for such examinations as the Board may determine.
4. In every case, before permitting an applicant to register as a candidate, the Board shall be satisfied that adequate supervision and facilities are available.
5. An approved applicant shall pay such fees as may be determined from time to time by the Council.†
6. Every candidate for the degree shall be required:—
 - (a) To carry out a programme of advanced study, to take such examinations and to perform such other work as may be prescribed by the Board.
The programme of advanced study shall include:—
 - (i) attendance at the University in a prescribed course of formal work;
 - (ii) attachments to hospitals and other organisations for in-service experience;
 - (iii) the preparation and submission of a dissertation embodying the results of an original investigation.

The attachments referred to in paragraph 6(a) (ii) and the investigation referred to in paragraph 6(a) (iii) shall be under the direction of supervisors appointed by the Board or under such conditions as the Board may determine.

A candidate who has already had adequate and satisfactory in-service experience may, with the approval of the Board, be exempt from the attachments referred to in paragraph 6(a) (ii);

OR

- (b) To carry out a programme of advanced study and take such examinations and perform such other work as may be prescribed by the Board. The programme shall include the preparation and submission of a thesis embodying the results of an original investigation or design. The candidate may submit also for examination any work he has published, whether or not such work is related to this thesis.
7. An approved applicant shall register in one of the following categories:—

† For details of fees, see earlier under "Fees".

- (i) Student in full-time attendance at the University.
 - (ii) Student in part-time attendance at the University.
 - (iii) Student working externally to the University.
8. The dissertation referred to in paragraph 6(a) (iii) shall be on a topic approved by the Board on the recommendation of the Head of the School before the end of the third term of Year II. Unless permission to the contrary has been granted, a candidate shall be required to submit his dissertation not earlier than nine terms, and not later than twelve terms, from the date of registration.
 9. Candidates for the award under the conditions contained in paragraph 6(b) shall not be considered for the award of the degree until the lapse of six complete terms from the date from which the registration becomes effective, save that in the case of a full-time candidate who has obtained the degree of Bachelor with Honours or who has had previous research experience, this period may with the approval of the Board be reduced by not more than three terms.
 10. Every candidate for the degree shall be required to submit three copies of the dissertation or thesis as the case may be. The dissertation or thesis shall be presented in a form which complies with the requirements of the University for the preparation and submission of higher degree theses.*
 11. It shall be understood that the University retains the three copies of the dissertation or thesis submitted for examination, and is free to allow the dissertation or thesis to be consulted or borrowed. Subject to the provisions of the Copyright Act, 1912 (as amended) the University may issue the dissertation or thesis in whole or in part, in photostat or microfilm or other copying medium.
 12. For each candidate's dissertation or thesis there shall be at least two examiners, appointed by the Professorial Board on the recommendation of the Board of Vocational Studies, one of whom shall if possible be an external examiner.
 13. The award of the degree taken in accordance with paragraph 6(a) shall depend upon:—
 - (i) the candidate's performance in his in-service attachments;
 - (ii) the candidate's performance in the examinations;
 - (iii) the quality of the candidate's dissertation.

* See Section "C" of the University Calendar.

14. Course Outline.**YEAR I**

| | | Term 1 (hrs. per week) | Term 2 (weeks) | Term 3 (weeks) | Term 4 (weeks) |
|---------|---|---------------------------|-------------------|-------------------|-------------------|
| 12.671G | Human and Industrial Relations ... | 2 | 2 | — | — |
| 14.031G | Hospital Accounting ... | 3 | 3 | — | — |
| 15.914G | Social and Economic Framework ... | 3 | 3 | — | — |
| 15.944G | Statistics (Hospital Administration) ... | 3 | 3 | — | — |
| 16.621G | Hospital Organisation and Management* ... | 1 | 1 | 10 | 9 |
| | | 12 | 12 | 10 | 9 |

YEAR II

| | | Term 1 (weeks) | Term 2 (hrs. per week) | Term 3 (weeks) |
|---------|--|-------------------|---------------------------|-------------------|
| 12.671G | Human and Industrial Relations ... | — | 3 | 3 |
| 16.621G | Hospital Organisation and Management* ... | 16 | 5 | 5 |
| 16.631G | Comparative Hospital and Health Administration ... | — | 4 | 4 |
| | | 16 | 12 | 12 |

* 16.621G Hospital Organisation and Management. This subject will extend over Year I and Year II. From the end of second term in Year I to the beginning of second term in Year II, students will have the following supervised attachments and review courses:—

| | Weeks (approx.) |
|---|-----------------|
| First Administrative Teaching Hospital Attachment | 10 |
| Review Course | 1 |
| Second Hospital Attachment | 8 |
| Base Hospital Attachment | 6 |
| Country Hospital Attachment | 4 |
| Review Course | 1 |
| Attachments to Central Hospital Authorities and Other Organisations | 5 |
| | <u>35</u> |

DIPLOMA IN HOSPITAL ADMINISTRATION

The Diploma course offered by the School of Hospital Administration is designed to meet the special needs of Australian hospitals and of students who cannot participate in the course for the degree of Master of Hospital Administration.

The Diploma requires the taking of twelve subjects in two Parts:

Part I consists of external study with the external tuition supplemented by tuition at annual residential Schools.

Part II consists of either:

- (a) External study, the external tuition being supplemented by tuition at the annual residential Schools, or,
- (b) Internal study, involving full-time attendance at the University for an Academic Session of three consecutive terms.

Diploma candidates' studies will normally be complemented by practical experience in hospital or health service administration or similar administrative work.

Conditions for Award

1. An application to register as a candidate for the Diploma in Hospital Administration shall be made on the prescribed form which shall be lodged with the Registrar at least one full calendar month before the commencement of the Course.
2. An applicant for registration for the Diploma shall be required:
 - (a) (i) To satisfy the matriculation requirements of the University of New South Wales; or
 - (ii) to present a statement from the Registrar of any approved University (other than the University of New South Wales) certifying that the applicant has satisfied the matriculation requirements for admission to that University;
 - (b) to be, or to have been, engaged in suitable employment in a hospital or health service or such other administrative work as the Board of Vocational Studies deems appropriate.

A candidate who ceases to hold suitable employment may be required to discontinue his course.

3. To qualify for the award of the Diploma, a candidate shall:
 - (i) undertake the appropriate course of study as set out in Rules 7 and 8;
 - (ii) submit, at a satisfactory standard, on the due dates, all written work required by the Head of the School;
 - (iii) attend, as required, residential Schools conducted by the School of Hospital Administration;
 - (iv) pass all prescribed examinations.
4. Candidates for the award shall be subject to the relevant General University rules set out in this handbook.
5. No candidate for the award shall:
 - (i) normally be permitted to take more than three subjects in any one year in Part I or Part II (external);
 - (ii) normally be permitted to enrol for subjects in Part II until he has completed at least five subjects of Part I;
 - (iii) without the approval of the Board of Vocational Studies be permitted to continue his course after the sixth year from when he first enrolled or after the fifth year if Part II is attempted as an internal student.

6. A candidate who claims credit for subjects required for the Diploma because of satisfactory passes in equivalent subjects at another approved University or approved institution maintaining approved University standards, may be granted credit for a maximum of four subjects.

The Head of the appropriate School shall recommend the equivalent subjects for which credit may be given

7. Course Outline

PART I

(External)

YEAR I

- 14.022 Hospital Fund Accounting.
- 16.011 Hospital Administration I.
- 16.211 Law I (Hospital Administration).

YEAR II

- 15.901 Economics (Hospital Administration).
- 16.311 Public Administration.
- 16.411 Hospital Provision I.

PART II

(External)

YEAR III

- 14.023 Hospital Management Accounting.
- 16.012 Hospital Administration II.
- 16.212 Law II (Hospital Administration).

YEAR IV

- 12.681 Human Relations in Administration.
- 16.013 Hospital Administration III.
- 16.412 Hospital Provision II

PART II

(Internal)

YEAR III

- 12.681 Human Relations in Administration.
- 14.023 Hospital Management Accounting.
- 16.012 Hospital Administration II.
- 16.013 Hospital Administration III.
- 16.212 Law II (Hospital Administration).
- 16.412 Hospital Provision II.

Students enrolled in Part II (internal) will spend three class hours per week for 30 weeks study of each of the six Part II subjects.

8. A student will not be permitted to enrol in a subject shown below under (a) until he has passed or reached a satisfactory standard in the corresponding subject shown below under (b):

(a)

Hospital Management Accounting
Law II (Hospital Administration)
Hospital Administration II
Hospital Provision II

(b)

Hospital Fund Accounting
Law I (Hospital Administration)
Hospital Administration I
Hospital Provision I

DEPARTMENT OF INDUSTRIAL ARTS

The Department of Industrial Arts offers a B.Sc. degree available through full-time study and a B.Sc. (Tech.) degree through part-time study in the general field of Industrial Arts. The subjects required to qualify for the degree are set out elsewhere in this Handbook. At the postgraduate level, the Department offers a course in Industrial Design leading to the award of a Graduate Diploma.

The Subject Matter of Industrial Arts

The study of industrial arts is concerned, in general, with the interaction of man with his material environment. It seeks to understand those problems of human ecology which relate to the interaction of man with materials. Particular attention is paid to the manner in which man's needs, creative ideas and skills operate in society to produce manufactured commodities. Its methods aim at describing and analysing the relationship of human needs and talents, materials and work processes, and to apply the knowledge so derived. Industrial arts is therefore an interdisciplinary study drawing from free and rigorous design, the science and technology of materials and the behavioural sciences, especially psychology and sociology.

Specialisation with the Study of Industrial Arts

The Department of Industrial Arts emphasises three areas in this field. Since, however, the subject matter is broad, it is considered advisable for students to select one of these areas and to study it in greater depth than the other two. The areas of study are covered in the following three strands.

Industrial Education

This strand is concerned with the educational significance of the integration of man's needs and creative ideas, materials and methods, in the production of useful articles. The subject matter is of importance for both industry and education.

When taken with the other subjects in the degree course, the industrial education strand aims to produce people qualified as secondary school teachers of industrial arts and allied subjects, training and education specialists for industry.

Study of Work Processes

This strand is concerned with the design and evaluation of human work processes, and with the manner in which these processes operate in conjunction with man's creativity and materials to produce manufactured commodities.

The other subjects of the degree combine with this strand to produce an integrated course suitable for those people wishing to enter the field of work study in industry.

Industrial Design

This strand is concerned with the integration of man's needs and ideas, materials and methods of work in the design of manufactured products, seeking through this study to encourage creative expression.

The content of this strand, when combined with the other subjects of the degree will form a sound basis for those people wishing to commence professional training in industrial design.

The Need for Professional Experience

This degree course provides a basic training in those areas of industrial arts outlined above. However, as is the case with most professional degrees, further specialised experience will be necessary.

With the full-time course, the Department of Education will certificate graduates as teachers and the Institute of Industrial Engineers will admit to associate membership upon the completion of suitable experience after graduation.

As part of the requirements for the degree of B.Sc. (Tech.) which is taken part-time, students will normally be asked to complete an approved programme of experience over a period of not less than three years, concurrently with attendance in the course. These conditions apply to all B.Sc. (Tech.) Degree courses offered by the University of New South Wales. The part-time degree is also recognised by the Department of Education and the Institute of Industrial Engineers.

INDUSTRIAL ARTS—FULL-TIME COURSE**Bachelor of Science**

A four year course of full-time study leading to the degree of Bachelor of Science (pass or honours).

FIRST YEAR

(30 weeks' full-time course)

| | | Hours per week for 3 terms | |
|--------|------------------------------------|----------------------------|---------------------|
| | | Lec. Lab./Tut. | |
| 1.011 | Higher Physics I <i>or</i> | } | 3 — 3 |
| 1.001 | Physics I <i>or</i> | | |
| 1.041 | Physics IC | | |
| 2.011 | Higher Chemistry I <i>or</i> | } | 2 — 4 |
| 2.001 | Chemistry I | | |
| 5.001 | Engineering I | | 3 — 3 |
| 12.001 | Psychology I | | 3 — 2 |
| 21.901 | Tutorial | | 0 — 1 |
| | | | <hr/> 11 — 13 <hr/> |

SECOND YEAR

(30 weeks' full-time course)

| | | Hours per week for 3 terms | |
|--------|---------------------------------------|----------------------------|---------------------|
| | | Lec. Lab./Tut. | |
| 4.911 | Materials Science | | 1 — 1 |
| 21.201 | Freehand Drawing | | 0 — 3 |
| 12.012 | Psychology II | | 3 — 5 |
| 21.011 | Industrial Arts I | | 1 — 2 |
| 26.501 | English <i>or</i> | } | 1 — 1 |
| 26.571 | An Introduction to Modern Drama | | |
| 21.801 | Educational Practice† | | |
| | Science Elective* | | 0 — 2 |
| | | | <hr/> 3 — 3 <hr/> |
| | | | <hr/> 9 — 16½ <hr/> |

THIRD YEAR

(30 weeks' full-time course)

| | | Hours per week for 3 terms | |
|--------|-----------------------------|----------------------------|---------------------|
| | | Lec. Lab./Tut. | |
| 4.951 | Materials Technology | | 2 — 2 |
| 21.012 | Industrial Arts II | | 1 — 3 |
| 21.111 | Education I | | 3 — 0 |
| 21.211 | Drawing and Design | | 0 — 2 |
| 21.902 | Seminar | | 0 — 1 |
| 21.802 | Educational Practice† | | 0 — 3 |
| | Science Elective II* | | 4 — 5 |
| | | | <hr/> 10 — 16 <hr/> |

* and † See footnotes to next page.

FOURTH YEAR

(30 weeks' full-time course)

| | | Hours per week for 3 terms | |
|--------|------------------------------|----------------------------|-----------|
| | | Lec. | Lab./Tut. |
| 12.013 | Psychology III* | 4 | 5 |
| | <i>or</i> | | |
| | Science Elective III** | 4 (max) | 10 (max) |
| 21.013 | Industrial Arts III | 2 | 3 |
| 21.112 | Education II | 3 | 0 |
| 21.903 | Project | 0 | 3 |
| 21.803 | Educational Practice† | 0 | 3 |
| | | <hr/> | <hr/> |
| | | 9 (max) | 19 (max) |

**Following are typical sequences which may be followed (subject to time-tabling) for the elected science subjects mentioned in Year 2, Year 3, and Year 4.

| Second Year | Third Year | Fourth Year |
|--------------------------------|----------------------------|-----------------------------|
| 10.001 Mathematics I | 10.111 Pure Mathematics II | 10.112 Pure Mathematics III |
| 10.001 Mathematics I | 10.211 Applied Maths II | 10.222 Applied Maths III |
| 10.001 Mathematics I | 2.002 Chemistry II | 2.003 Chemistry III |
| 17.001 General & Human Biology | 17.101 Biochemistry I | 17.201 Microbiology I |
| 25.001 Geology I | 25.002 Geology II | 25.003 Geology III |
| 17.001 General & Human Biology | 17.301 Botany I | 12.013 Psychology III |
| 17.001 General & Human Biology | 17.401 Zoology I | 12.013 Psychology III |
| 10.001 Mathematics I | 10.311 Statistics I | 12.013 Psychology III |

INDUSTRIAL ARTS—PART-TIME COURSE

Bachelor of Science (Technology)

A course of six years part-time study leading to the degree of Bachelor of Science (Technology).

FIRST STAGE

(30 weeks' part-time course)

| | | Hours per week for 3 terms | |
|-------|--------------------------------------|----------------------------|-----------|
| | | Lec. | Lab./Tut. |
| 2.011 | Higher Chemistry I <i>or</i> } | 2 | — 4 |
| 2.001 | Chemistry I | | |
| 5.001 | Engineering I | 3 | — 3 |
| | | <hr/> | <hr/> |
| | | 5 | — 7 |

* Students are required to undertake such additional field work and clinical studies, averaging 2 hours per week, as may be prescribed by the Head of the School of Applied Psychology.

† Students will undertake their Educational Practice during term in an institution approved by the Board of Vocational Studies. In addition, a further period of four weeks' Educational Practice will be arranged during vacation.

BOARD OF VOCATIONAL STUDIES
SECOND STAGE

55

(30 weeks' part-time course)

| | | Hours per week for 3 terms |
|--------|------------------------------|----------------------------|
| | | Lec. Lab./Tut. |
| 1.011 | Higher Physics I <i>or</i> } | |
| 1.001 | Physics I <i>or</i> } | 3 — 3 |
| 1.041 | Physics IC } | |
| 12.001 | Psychology I | 3 — 2 |
| 21.901 | Tutorial | 0 — 1 |
| | | <hr/> 6 — 6 <hr/> |

THIRD STAGE

(30 weeks' part-time course)

| | | Hours per week for 3 terms |
|--------|-------------------------------|----------------------------|
| | | Lec. Lab./Tut. |
| 4.911 | Materials Science | 1 — 1 |
| 21.201 | Freehand Drawing | 0 — 3 |
| 12.012 | Psychology II <i>or</i> | 3 — 5 |
| | Science Elective I† | 4 — 2 |
| | | <hr/> 4 — 9 <hr/> |
| | | <i>or</i> |
| | | <hr/> 5 — 6 <hr/> |

FOURTH STAGE

(30 weeks' part-time course)

| | | Hours per week for 3 terms |
|--------|----------------------------|----------------------------|
| | | Lec. Lab./Tut. |
| 4.951 | Materials Technology | 2 — 2 |
| 21.011 | Industrial Arts I | 1 — 2 |
| 21.111 | Education I | 3 — 0 |
| 21.211 | Drawing and Design | 0 — 2 |
| | | <hr/> 6 — 6 <hr/> |

* Students are required to undertake such additional field work and clinical studies, averaging 2 hours per week, as may be prescribed by the Head of the School of Applied Psychology.

† Following are typical sequences which may be followed for the elected science subject mentioned in the Third Stage and the Fifth Stage of the course.

| <i>Third Stage</i> | <i>Fifth Stage</i> |
|-------------------------------------|-------------------------------|
| 10.001 Mathematics I | 10.111 Pure Mathematics II |
| 10.001 Mathematics I | 10.211 Applied Mathematics II |
| 10.001 Mathematics I | 2.002 Chemistry II |
| 10.001 Mathematics I | 1.112 Physics II |
| 17.001 General & Human Biology | 17.101 Biochemistry I |
| 25.001 Geology I | 25.002 Geology II |
| 17.001 General & Human Biology | 17.301 Botany I |
| 17.001 General & Human Biology | 17.401 Zoology I |
| 10.001 Mathematics I | 10.311 Theory of Statistics I |

FIFTH STAGE

(30 weeks' part-time course)

| | | Hours per week for 3 terms | |
|----------------------------------|---------------------------------|----------------------------|-----|
| | | Lec. Lab./Tut. | |
| 21.012 | Industrial Arts II | 1 | — 3 |
| 12.013 | Psychology III* <i>or</i> | 4 | — 5 |
| | Science Elective II† | 4 | — 5 |
| † See footnote on previous page. | | 5 | — 8 |

SIXTH STAGE

(30 weeks' part-time course)

| | | Hours per week for 3 terms | |
|--------|---------------------------|----------------------------|------|
| | | Lec. Lab./Tut. | |
| 21.013 | Industrial Arts III | 2 | — 3 |
| 21.112 | Education II | 3 | — 0 |
| 26.501 | English | 1 | — ½ |
| | | 6 | — 3½ |

INDUSTRIAL DESIGN GRADUATE COURSE

(Graduate Diploma)

The Department of Industrial Arts offers a postgraduate course in Industrial Design leading to the award of a Graduate Diploma. The course provides a broad education in industrial design for those students who hold first degrees, although it is expected that students will, in general, come from the professions of engineering and architecture. The course has been so structured that graduates with the necessary talents and interests from other disciplines are provided for. Opportunities to specialise in either product design or communication design will be provided.

According to demand, the course may be available on a full-time basis over one year or on a part-time basis over two years.

FULL-TIME COURSE

| | | Hours per week for 3 terms |
|---------|-------------------------------|-------------------------------|
| 21.501G | Industrial Design | 10 |
| 21.511G | Design Projects | 12 |
| 21.521G | Seminars | 2 |
| | An elected creative art | 6 |
| | | 30 |

PART-TIME COURSE

First Year

| | | Hours per week for 3 terms |
|-----------|-------------------------------|-------------------------------|
| 21.501/1G | Industrial Design | 5 |
| 21.511/1G | Design Projects | 6 |
| 21.521/1G | Seminar | 1 |
| | An elected creative art | 3 |
| | | <hr/> 15 <hr/> |

Second Year

| | | Hours per week for 3 terms |
|-----------|-------------------------------|-------------------------------|
| 21.501/2G | Industrial Design | 5 |
| 21.511/2G | Design Projects | 6 |
| 21.521/2G | Seminar | 1 |
| | An elected creative art | 3 |
| | | <hr/> 15 <hr/> |

DEPARTMENT OF SOCIAL WORK

Since 1965, the Board of Vocational Studies has offered a course leading to the degree of Bachelor of Social Work (B.Soc.Wk.)

Social work is concerned with the welfare of people — individuals, families or groups — needing assistance for coping with their personal or social problems. Social workers, as well as helping people make adjustments, also help people to use their abilities to introduce social changes in the community, so that the environment itself may be improved. It is work with one of the longest human traditions, yet as a profession it is relatively new. Professional social workers share common knowledge, skills and attitudes gained from their professional education, and in particular are concerned that people in need of outside assistance are treated with understanding and respect.

There are many fields in which social workers may practice, and the methods used to help people vary considerably with the type of person needing assistance, and the circumstances in which he is placed. Social workers may work with individuals, families together, small or large groups, and community bodies.

The course is designed to provide an adequate professional training for social work, and involves a course of academic studies together with opportunities for acquiring practical experience in the form of supervised field work in a variety of government and private agencies.

The academic course involves a minimum of four years study, including a minimum of six months supervised field work training, during the second, third and fourth years of the course. The course may be taken at either pass or honours level. It is a full time day course, although some lectures are available in the evening.

Admission requirements are the same as for the Bachelor of Arts course. There is no minimum age for enrolment, but maturity is taken into consideration before a student may undertake field work.

Students taking the degree of Bachelor of Social Work will be required to qualify in certain compulsory subjects necessary for the attainment of professional status in social work. Students will be able to choose four additional courses from a range of subjects in the social sciences and humanities. At least one of the subjects

in this range must constitute a major interest. The subject of major interest must be taken in at least three consecutive courses, and the choice requires the approval of the Head of the Department of Social Work.

The compulsory subjects are:

- 53.111 Sociology I; 53.112 Sociology II (including Social Policy)
- 12.001 Psychology I; 12.022 Psychology II
- 63.111 Social Work I (Theory and Practice)
- 63.112 Social Work II (Theory and Practice)
- 63.113 Social Work III (Theory and Practice)
- 63.211 Public Health and Social Medicine

Unless the Head of the Department approves otherwise, Sociology I and Psychology I must be taken in the first year; Psychology II in the second year; and Social Work I, II and III in the second, third and fourth years of the course. Not more than four subjects may be taken at first year level and students may not proceed to study the subject Social Work I until they have passed at least two first year subjects including either Psychology I or Sociology I.

The compulsory subjects of Psychology and Sociology may be chosen as majors. Students may choose their electives (one of which may be continued as a major interest) from History, Economics, Economic History, History and Philosophy of Science, Philosophy and Political Science. Any student with a special interest in another field (for example, Mathematics or Languages) may, however, submit details of an alternative programme of electives to the Head of the Department for consideration. In certain cases this may include Anthropology I and II taken at the University of Sydney.* Students wishing to take Economic History are required by the Faculty of Commerce to take Economics I as a prerequisite and a sequence of Economics I, Economic History I and Economic History II will be accepted as a major. Students who have completed Economics I might also be permitted to take a sequence including courses in Industrial Relations.

SOCIAL WORK—FULL-TIME COURSE

Bachelor of Social Work

FIRST YEAR

(30 weeks' day course)

| | | Hours per week for 3 terms |
|--|--------------------|----------------------------|
| | | Lec. Lab./Tut. |
| 12.001 | Psychology I | 5 |
| 53.111 | Sociology I | 4 |
| <i>and two other approved subjects</i> | | |

* For conditions applying to anthropology, students should consult the Head of the Department.

SECOND YEAR

(30 weeks' day course)

| | | Hours per week for 3 terms |
|--------|--|----------------------------|
| | | Lec. Lab./Tut. |
| 12.022 | Psychology II | 6 |
| 53.112 | Sociology II (including Social Policy) | 4½ |
| 63.111 | Social Work I* | 3 |

THIRD YEAR—PASS COURSE

(30 weeks' day course)

| | | Hours per week for 3 terms |
|--------|---|----------------------------|
| | | Lec. Lab./Tut. |
| 63.112 | Social Work II* | 3 |
| 63.211 | Public Health and Social Medicine | 3 |
| | <i>and one other approved subject</i> | |

FOURTH YEAR—PASS COURSE

(30 weeks' day course)

| | | Hours per week for 3 terms |
|--------|---------------------------------------|----------------------------|
| | | Lec. Lab./Tut. |
| 63.113 | Social Work III† | 3 |
| | <i>and one other approved subject</i> | |

HONOURS

Students wishing to graduate with honours must apply to the Head of the Department at the end of the second year of their course for permission to enrol in the Honours programme. In Third Year, Honours students will be required to enrol in 63.122 Social Work II (Dist.) and in Fourth Year in 63.123 Social Work III (Dist.). Requirements for the Fourth Year will also include the submission of a thesis.

Field Work Training

Field work, which is required of all students, provides the opportunity for students to develop necessary skills and to learn to put into practice the theory learned in classroom courses.

* In addition to the lecture course this subject involves a programme of prescribed field work with an approved agency for a minimum of 210 hours or 30 working days.

† In addition to the lecture course this subject involves a programme of prescribed field work with an approved agency for a minimum of 420 hours or 60 working days.

Field work supervisors, usually agency staff members selected by the University, offer students in their placements practice in the methods of social work in a variety of government and voluntary agencies. Some of the field work settings used are: psychiatric, medical, family and child welfare, services to the aged, parole and aborigines' welfare.

Students usually have four different agency placements during the last three years of the course; one in second year, one in third year and two in fourth year. At present each placement is a minimum of 210 hours or 30 working days' duration; some balance between "block" placements and those on a part-time basis during term has been achieved.

While the University determines students' field work placements, students' special interests and needs are among the factors considered. Emphasis is placed on providing students with experience in a variety of fields of social work rather than concentrating on one field to the exclusion of others.

Students must satisfactorily complete all prescribed field work before they will be regarded as having met all course requirements, as field work is an essential and integral part of professional social work training.

Additional Practical Work

(1) Over the four years of the course students will spend a minimum of 210 hours using closed circuit television and other modern teaching aids related to the development of interviewing techniques and skills in establishing casework relationships.

(2) In the area of community development students will spend a minimum of 210 hours during the four years engaged in the practical application of social work methods. For example, students engage in special projects related to social problems in the community, such as housing needs for particular groups.

(3) Students will be required to undertake 105 hours practical work training in group work.

ADDITIONAL INFORMATION AND ENQUIRIES

Further information may be obtained from the Head of the Department of Social Work.

Enquiries regarding the courses given by the Department of Social Work may be made at Room 157, Morven Brown Building (Arts/Maths), Gate 8, High Street, Kensington. Telephone 663-0351, extension 2105.

SCHOOL OF WOOL AND PASTORAL SCIENCES

The School of Wool and Pastoral Sciences offers a special course, the purpose of which is to provide training at the tertiary level for teachers of sheep husbandry and wool science in the Department of Technical Education and in the Agricultural High Schools and Colleges. Students who complete the course successfully will be eligible to become certificated teachers.

It is also considered that the training offered in this course may suit students seeking careers in the sheep and wool extension services of State Departments of Agriculture. Outstanding graduates would be able to undertake certain types of research.

The course is a full-time one extending over four years, and leads to the degree of Bachelor of Science (pass or honours).

The Wool Use Promotion Act of 1945 and subsequent legislation has recognised the importance of wool in Australia's economy and the need to meet competition in the traditional wool markets of the world from artificial fibres. The strength of the wool industry is clearly limited by the knowledge and skill shown by its intake of young workers; and the need for high grade teachers has been underlined by recent criticisms of classing techniques as well as by the need for increased efficiency and lowered costs of production. The aim of the new Sheep and Wool Technology course (Education Option) is to provide a pool of teachers who will have a professional training in the philosophy and techniques of education, as well as a knowledge of science and of the technology of the sheep and wool industry.

This course represents a new combination of subjects already offered by the University in the existing courses in Wool Technology and Industrial Arts. First year gives a basic training in general science, and with Psychology I, introduces the educational emphasis which is continued throughout the course. In second, third and fourth years vocational subjects essential to all branches of the wool industry are covered, and time is allotted for professional practice.

Since the new course contains only incidental Mathematics it is expected to be attractive to those students who are interested in a University approach to the pastoral industry, but who do not feel able to cope with the mathematical content of the Wool Technology degree course.

SHEEP AND WOOL TECHNOLOGY (EDUCATION OPTION)

Bachelor of Science

FIRST YEAR

(30 weeks' day course)

| | | | | | Hours per week for 3 terms | | | |
|--------|------------------------------|-----|-----|-----|----------------------------|------|------|---------------|
| | | | | | Lec. | Tut. | Lab. | Private Study |
| 2.011 | Higher Chemistry I <i>or</i> | } | ... | ... | 2 | 0 | 4 | 5 |
| 2.001 | Chemistry I | | | | | | | |
| 12.001 | Psychology I | ... | ... | ... | 3 | 0 | 2 | 3 |
| 17.001 | General and Human Biology | ... | ... | ... | 2 | 0 | 4 | 4 |
| 27.001 | Geography I | ... | ... | ... | 2 | 1 | 3 | 4 |
| | | | | | 9 | 1 | 13 | 16 |

SECOND YEAR

(30 weeks' day course)

| | | | | | Hours per week for 3 terms | | | |
|--------|---------------------------------|-----|-----|-----|----------------------------|------|------|---------------|
| | | | | | Lec. | Tut. | Lab. | Private Study |
| 9.101 | Livestock Production I | ... | ... | ... | 3 | 0 | 0 | 4½ |
| 9.221 | Agronomy | ... | ... | ... | 2 | 0 | 2 | 4 |
| 9.531 | Wool Technology I | ... | ... | ... | 2 | 0 | 4 | 4 |
| 17.111 | Biochemistry | ... | ... | ... | 3 | 0 | 6 | 6 |
| 21.801 | Educational Practice | ... | ... | ... | 0 | 0 | 2 | 0 |
| 26.501 | English <i>or</i> | } | | } | 1 | ½ | 0 | 2 |
| 26.571 | An Introduction to Modern Drama | | | | | | | |
| | | | | | 11 | ½ | 14 | 20½ |

THIRD YEAR

(30 weeks' day course)

| | | | | Term 1 | | | | Hours per week Term 2 | | | | Term 3 | | | |
|--------|-------------------------------|-----|-----|--------|------|------|------------------|--------------------------|------|------|------------------|--------|------|------|------------------|
| | | | | Lec. | Tut. | Lab. | Private Study | Lec. | Tut. | Lab. | Private Study | Lec. | Tut. | Lab. | Private Study |
| 9.122 | Livestock Production II | ... | ... | 3 | 0 | 0 | 4½ | 6 | 0 | 0 | 10½ | 3 | 0 | 0 | 6 |
| 9.311 | Economics | ... | ... | 2 | 0 | 0 | 4 | 2 | 0 | 0 | 4 | 1 | 0 | 0 | 2 |
| 9.411 | Agricultural Chemistry | ... | ... | 1 | 0 | 3 | 2 | 1 | 0 | 3 | 2 | 1 | 0 | 3 | 2 |
| 9.532 | Wool Technology II | ... | ... | 2 | 0 | 3 | 4 | 1 | 0 | 3 | 2 | 2 | 0 | 3 | 4 |
| 9.601 | Animal Physiology I | ... | ... | 2 | 0 | 3 | 3 | 1 | 0 | 3 | 1½ | 2 | 0 | 2 | 4 |
| 21.111 | Education I | ... | ... | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 |
| 21.802 | Educational Practice | ... | ... | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 0 |
| | Two General Studies Electives | ... | ... | 3 | 0 | 0 | 4 | 3 | 0 | 0 | 4 | 3 | 0 | 0 | 4 |
| | | | | 16 | 0 | 12 | 21½ | 17 | 0 | 12 | 24 | 15 | 0 | 11 | 22 |

FOURTH YEAR

(30 weeks' day course)

Hours per week

| | | | | | Term 1 | | | | Term 2 | | | | Term 3 | | | |
|--------|-----------------------------------|-----|-----|-----|--------|------|------|---------------|--------|------|------|---------------|--------|------|------|---------------|
| | | | | | Lec. | Tut. | Lab. | Private Study | Lec. | Tut. | Lab. | Private Study | Lec. | Tut. | Lab. | Private Study |
| 9.001 | Project | ... | ... | ... | 0 | 0 | 3* | 0 | 0 | 0 | 3* | 0 | 0 | 0 | 3* | 0 |
| 9.123 | Livestock Production III | ... | ... | ... | 1 | 1 | 0 | 2 | 1 | 1 | 0 | 2 | 2 | 0 | 0 | 4 |
| 9.231 | Pastoral Agronomy | ... | ... | ... | 1 | 1 | 0 | 2 | 1 | 1 | 0 | 2 | 1 | 1 | 0 | 2 |
| 9.321 | Pastoral Management | ... | ... | ... | 2 | 0 | 0 | 2 | 2 | 0 | 0 | 2 | 2 | 0 | 0 | 2 |
| 9.421 | Animal Nutrition | ... | ... | ... | 2 | 0 | 0 | 4 | 2 | 0 | 0 | 4 | 0 | 0 | 0 | 0 |
| 9.533 | Wool Technology III | ... | ... | ... | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| 9.821 | Genetics | ... | ... | ... | 2 | 0 | 0 | 4 | 2 | 0 | 0 | 4 | 2 | 0 | 0 | 4 |
| 21.112 | Education II | ... | ... | ... | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 |
| 21.803 | Educational Practice | ... | ... | ... | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 0 |
| | Seminar | ... | ... | ... | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| | Advanced General Studies Elective | ... | ... | ... | 2 | 0 | 0 | 4 | 2 | 0 | 0 | 4 | 2 | 0 | 0 | 4 |
| | | | | | 13 | 2 | 8 | 18 | 13 | 2 | 8 | 18 | 12 | 1 | 8 | 16 |

Plus one of the following subjects, the choice to be approved by the Head of the School.

| | | | | | | | | | | | | | | | | |
|--------|-----------------------|-----|-----|-----|---|---|----|---|---|---|----|---|---|---|-----|---|
| 9.534 | Wool Technology IV | ... | ... | ... | 2 | 0 | 2 | 4 | 2 | 0 | 2 | 4 | 2 | 0 | 2 | 4 |
| 9.901 | Rural Extension | ... | ... | ... | 2 | 2 | 0 | 4 | 2 | 2 | 0 | 4 | 2 | 2 | 0 | 4 |
| 9.602 | Animal Physiology III | ... | ... | ... | 2 | 0 | 2 | 4 | 2 | 0 | 2 | 4 | 2 | 0 | 2 | 4 |
| 17.122 | Biochemistry | ... | ... | ... | 3 | 1 | 6* | 6 | 3 | 1 | 6* | 6 | 3 | 1 | 10* | 6 |

* Students electing the Biochemistry option must undertake an approved project in a related field.

DESCRIPTION OF SUBJECTS

Descriptions of subjects and reading lists for subjects available to students in the Board of Vocational Studies, but omitted from this handbook, are included in other Faculty Handbooks, e.g. Physics, Chemistry, Mathematics — in the Faculty of Science Handbook; Engineering I in the Engineering Handbook: In addition, a separate publication is available, setting out details of subjects offered by the Department of General Studies.

SCHOOL OF WOOL AND PASTORAL SCIENCES

9.101 Livestock Production I

Anatomy, histology and introduction to the physiology of the domestic animals. Mammalian evolution and embryology.

The livestock industry and its place in the economic life of Australia. Production of livestock products and trends. The inter-relationships of the various classes of stock and the natural, economic and artificial conditions determining the stratification of types. Breeds of livestock of importance to the pastoral industry and aids to judging. Breeds of sheep, their uses and economic relationships. Sheep management and calendar of operations. Flock composition; principal sources of loss and their control.

9.122 Livestock Production II

The more important breeds of beef cattle, dairy cattle, pigs, working dogs, and their management. Production of beef, veal, pigmeats, milk and milk products, and quality concepts. Handling hides and skins. Stud breeding—record keeping.

Livestock husbandry in relation to diseases. The Stock Diseases Act. Types of disease, immunity. Bacteriology and pathology. Parasitology—external and internal parasites. Diseases of the fleece, deficiency diseases. Poison plants. Specific diseases. Commoner diseases of cattle, horses, pigs and dogs. Veterinary first-aid. Common drugs.

9.123 Livestock Production III

Principles of livestock production and their application in animal industry; reproduction and fertility; milk secretion; growth and development; nutrition and breeding. Crossbreeding. Prime lamb production. Factors affecting livestock production e.g. pasture improvement.

TEXT BOOKS (9.101, 9.122, 9.123)

Ashton. *Diary Farming in Australia*. N.S.W. ed., Dept. of Commerce & Industry

Belschner. *Sheep Management and Diseases*. 8th ed., Angus & Robertson, 1965.

Cole. *Sheep Management for Wool Production*. Grazcos, 1963.

Hammond, (ed.). *Progress in the Physiology of Farm Animals* (3 vols.). Butterworth.

REFERENCE BOOKS (9.101, 9.122, 9.123)

- Allee et al. *Principles of Animal Ecology*. Saunders.
- American Meat Inst. Foundation. *Science of Meat and Meat Products*. Freeman, 1960.
- American Society of Animal Production. *Techniques and Procedures in Animal Production Research*.
- Beattie. *Beef Cattle Breeding and Management*. Pastoral Review.
- Beattie. *Beef Cattle Industry of Australia*. C.S.I.R.O. Bull. No. 278.
- Bostock. *Pig Husbandry in Australia*.
- Briggs. *Modern Breeds of Livestock*.
- Brody. *Bioenergetics and Growth*.
- Butterfield and May. *Muscles of the Ox*. U.Q.P.
- Charleton and Leach. *Schafer's Essentials of Histology*.
- Cole and Cupps. *Reproduction in the Domestic Animals* (2 vols.) Academic Press.
- Downey. *Pig Raising*. 2nd ed., Angus & Robertson.
- Drabble. *Textbook of Meat Inspection*. Angus & Robertson.
- Dukes. *Physiology of Domestic Animals*. Comstock.
- Folley. *Physiology and Biochemistry of Lactation*. Oliver & Boyd.
- Foust and Getty. *Anatomy of Domestic Animals*. Iowa U.P., 1960.
- Fraser. *Beef Cattle Husbandry*. Crosby Lockwood.
- Fraser. *Sheepfarming*. Crosby Lockwood.
- Fraser and Stamp. *Sheep Husbandry and Disease*. Crosby Lockwood.
- Hafez (ed.). *Reproduction in Farm Animals*. Lea & Febiger 1962.
- Hammond. *Farm Animals*. Arnold, 1960.
- Hammond. *Growth and Development of Mutton Qualities of Sheep*.
- Hungerford. *Diseases of Livestock*. Grahame.
- Kammlade and Kammlade. *Sheep Science*. Lippincott.
- Kelly. *Sheep Dogs (Breeding, Care and Management)*. Angus & Robertson.
- Kent. *Comparative Anatomy of the Vertebrates*. McGraw-Hill.
- McGregor. *Structure of Meat Animals*.
- McMeekan et al. *Principles of Animal Production*. Whitcombe & Tombs.
- Miller and Robertson. *Practical Animal Husbandry*.
- Miller and West. *Encyclopaedia of Animal Care*. Williams & Wilkins.
- Nicholls. *Livestock Improvement in Relation to Heredity and Environment*. Oliver & Boyd.
- O'Loughlin (ed.). *Beef Cattle in Australia*. Country Life Newspaper Co.
- Parkes. *Marshall's Physiology of Reproduction* (Parts I & II). Longmans.
- Patten. *Foundations of Embryology*.
- Pearse. *Sheep Farm and Station Management*. Pastoral Review.
- Phillips. *Breeding Animals Suited to Unfavourable Environments*. F.A.O.
- Roberts. *Insects Affecting Livestock*.
- Sisson. *Anatomy of Domestic Animals*.

Smith. *Practical Poultry Husbandry in Australia*.

Snapp. *Beef Cattle*.

Taylor. *Regional and Applied Anatomy of Domestic Animals*.

Thomas et al. *Sheep*.

Trautmann & Fiebiger. *Fundamentals of the Histology of Domestic Animals*.

Trow-Smith. *History of the British Livestock Industry* (2 vols.). Standish & Son.

Turner. *Anatomy of the Udder*. Columbia.

Waddington. *Principles of Embryology*. Allen & Unwin.

9.221 Agronomy

Agricultural climatology, soil science, and soil conservation. Pastures in land use and land development. Principles of tillage, crop rotation, irrigation and fertilizer use. Weeds and weed control. Practical work in the systematics of plant families.

9.231 Pastoral Agronomy

Pasture ecology. Establishment, management and utilization of pastures. Fodder and field crops associated with the sheep industry. Fodder conservation. Insect pests of pastures.

TEXT BOOKS (9.221, 9.231)

Black. *Flora of South Australia* (Parts I-IV). S. Aust. Govt. Printer.

C.S.I.R.O. *The Australian Environment*. Angus & Robertson.

Leeper. *Introduction to Soil Science*. Melbourne U.P.

Molnar (ed.). *Manual of Australian Agriculture*. Heineman.

Whittet. *Weeds*. N.S.W. Dept. of Agriculture.

Whittet. *Pastures*. N.S.W. Dept. of Agriculture.

Barnard. *Grasses and Grassland*. Macmillan.

9.311 Economics

The main divisions of economic theory and the basic concepts in production economic analysis: factor/product, factor/factor and product/product relationships. The nature of costs and cost analysis. Returns to scale. Planning under imperfect knowledge. Wool futures, the operation of the Australian monetary system.

Wool in Australian Economy—Australian economic growth 1788-1860; 1860-1900 and after 1900. Economic organization of the pastoral industry. The wool market at home and overseas and future prospects.

Introduction to Farm Management—Its meaning, objectives and scope in different environments.

9.312 Farm Management

Land utilization in relation to farm management; climatic influences; patterns of enterprise distribution; land valuation and improvements; farm size and layout; labour and rural credit. Yield and intensity in production. Financial and production records and accounts; inventory theory; tests of

economic efficiency. Farm planning and organization. Budgeting and programming. Gross margin analysis. Linear programming. Economics of pasture improvement, fertilizer use, drought and fodder conservation and irrigation.

TEXT BOOKS (9.311, 9.312)

Black. *Introduction to Economics for Agriculture*. Macmillan.

Castle and Becker. *Farm Business Management*. Macmillan.

REFERENCE BOOKS (9.311, 9.312)

Agriculture, Fish and Food Ministry. *The Farm as a Business*. H.M.S.O.
Barnard. *Growth of the Australian Wool Market 1840-1900*. Melbourne U.P.

Blagburn. *Farm Planning and Management*. Longmans.

Emery and Oeser. *Information, Decision and Action*. Melbourne U.P.

Heady. *Economics of Agricultural Production and Resource Use*. Prentice Hall.

Heady and Candler. *Linear Programming Methods*. Iowa State College Press.

Heady and Dillon. *Agricultural Production Functions*. Iowa State College Press.

Heady and Jensen. *Farm Management Economics*. Prentice-Hall.

Hopkins and Heady. *Farm Records and Accounting*. Iowa State College Press.

King. *Outline of Closer Settlement in N.S.W.* N.S.W. Govt. Printer.

Mallyon. *Principles and Practice of Farm Management Accounting*. Law Book Co.

Shannon. *Rural Industries in the Australian Economy*.

Wadham and Wood. *Land Utilisation in Australia*. Melbourne U.P.

Yang. *Methods of Farm Management Investigations*. F.A.O. Agricultural Development Paper No. 64.

9.411 Agricultural Chemistry

The chemistry of feeding stuffs. Proximate analysis. Growth changes. Isolation, examination and estimation of constituents. Vitamins and assessment of nutritional value. Chemistry of silage. Correlations of structure and properties. Animal milks, factors affecting composition.

Poisonous plants. Agricultural chemicals. Water supplies (stability, activities of enzymes, substrate requirements).

General principles of analytical methods. Trace metal analysis. Colorimetry and instrumental techniques.

Concurrent extensions in chemistry as necessary.

9.421 Animal Nutrition

Composition and classification of foodstuffs and pastures. Physiology of ruminant digestion. Digestion, absorption and metabolism of carbohydrates, proteins, fats, minerals and vitamins. Digestibility of foodstuffs. Nutrient and energy balances and requirements of livestock. Feeding standards and the quantitative application of nutritional data with particular reference to

Australian conditions. Utilization of forage by grazing ruminants. Supplementary and drought feeding. Consideration of disorders due to nutrition.

While particular emphasis will be given to nutritional requirements of sheep, those of other farm livestock will be dealt with in this section.

TEXT BOOKS

Lewis. *Digestive Physiology and Nutrition of the Ruminant*.

Maynard and Loosli. *Animal Nutrition*.

REFERENCE BOOKS

Annisson and Lewis. *Metabolism in the Ruminant*. Methuen.

Blaxter. *Energy Metabolism of the Ruminant*. Cambridge.

British Ministry of Agriculture. *Rations for Livestock*. H.M.S.O. Bull. No. 48.

Crampton. *Applied Animal Nutrition*.

Dougherty et al. *Physiology of Digestion in the Ruminant*. Butterworth Press, 1965.

Halnan and Garner. *Principles and Practice of Feeding Farm Animals*. Longmans.

Ivins. *Measurement of Grassland Productivity*.

Morrison. *Feeds and Feeding*. Henry Morrison Co.

National Research Council (U.S.A.). *Recommended Nutrient Allowances for Domestic Animals*.

Proc. 7th International Congress Animal Husbandry Madrid. 1956.

Proc. 16th International Veterinary Congress Madrid. 1959.

Sheehy. *Animal Nutrition*.

Underwood. *Trace Elements in Human and Animal Nutrition*. Academic.

9.531 Wool Technology I

Wool Biology—Structure and function of skin. Aspects of fibril formation. Structure of follicles. The hair growth cycle. Development of fibre population in sheep. Comparative fleece biology.

Wool Metrology—All common measurement techniques, yield, length, diameter, damage, fleece components, their estimation and analysis of results.

Raw Materials—This subject, taught by the School of Textile Technology, constitutes part (a) of 13.511 General Textiles. A course on origin, chemical composition, structure and properties of natural and synthetic fibres, with particular emphasis on comparative properties.

Wool—Fleece characteristics—fibre fineness, crimp and quality number, staple length, soundness, colour and yield. Component parts of the fleece. The wool product of Merino, British and Australasian breeds. Wool defects and discolorations. Vegetable fault in relation to district, price and processing. Theory of wool classing, shearing shed procedure, practical wool sorting, classing and typing.

9.532 Wool Technology II

Wool Textile Manufacture—Taught by the School of Textile Technology; constitutes part (a) of 13.512 General Textiles.

Detailed instruction on function of machines involved in woollen and worsted processing from scouring to (and including) finishing. The function and general mechanism of each stage of processing are studied and comparisons are made with other types of manufacture where possible.

Wool—Carbonizing and fellmongering. Central classing and repacking. Preparation of the wool selling brokers' catalogue. Wool buying techniques, wool shipment and finance. Composition and functions of the Australian Wool Board and International Wool Secretariat, A.W.B. Table of Types and Descriptions, history and application. Carpet wool. Wool top appraisal. Wool production and marketing in overseas countries. Wool futures. Practical wool sorting, classing and typing.

The following trade visits will be undertaken during Wool Technology I and II at times coincident with relevant theory and practice: worsted manufacture, woollen manufacture, scouring and carbonizing, fellmongering, carpet manufacture, repacking houses, wool brokers' stores, wool saleroom.

9.533 Wool Technology III

Wool types, appraisal of wool samples in terms of Australian Wool Board type, quality and yield.

TEXT BOOKS (9.531, 9.532, 9.533)

Barnard. *The Simple Fleece*. A.N.U. Press.

Onions. *Wool*. Benn & Co., 1961. (9.532 only).

REFERENCE BOOKS (9.531, 9.532, 9.533)

American Wool Handbook.

Austen. *The Merino. Past, Present and Probable*. Angus & Robertson.

Barnard. *Growth of the Australian Wool Market 1840-1900*. M.U.P.

Bowen. *Wool Away*.

British Wool Manual.

Burgess et al. *Mechanical Properties of Textile Fibres*. North Holland.

C.I.B.A. *The Wool Fibre*. Review No. 113, C.I.B.A.

Fegan. *Merino Wool*. Grahame.

Guthrie. *A World History of Sheep and Wool*. Pastoral Review.

Henderson. *Wool and Wool Classing*. Halstead Press.

International Wool Secretariat. *Wool Science Reviews*. I.W.S.

Luniak. *Identification of Textile Fibres*. Pitman.

Meredith. *The Mechanical Properties of Textile Fibres*.

Preston. *Fibre Science*. Textile Institute.

Proceedings of the International Wool Textile Res. Conf. Aust., 1955.

Ryan. *Sheep Shearing Experting*. Angus & Robertson.

Stoves. *Fibre Microscopy*. Heywood & Co.

Textile Institute and Society of Dyers and Colourists. *Review of Textile Progress*.

Truter. *Wool Wax*. Cleaver Hume.

Urquhart and Howitt. *Structure of Textile Fibres*. Textile Institute.

Wildman. *Microscopy of Animal Textile Fibres*. W.I.R.A.

Woods. *Physics of Fibres*. Inst. Physics.

9.601 Animal Physiology I

Physiological system of mammalia are treated with special attention to homeostasis and to ruminants. Cell membranes; blood and body fluids; the immune reaction. Cardiac control, functions and haemodynamics. Respiration. The endocrine system with particular emphasis upon growth reproduction, lactation and stress. The nerve impulse, its excitation and transmission. Physiology of digestion, the gastro-intestinal tract and of the kidney. Heat tolerance and climatic adaptation.

9.602 Animal Physiology II

Mammalian physiology directed towards domestic livestock production and homeostatic mechanics. Emphasis will be placed upon techniques.

Active transport and allied membrane phenomena. Co-ordinator systems (neural, humoral), reproduction and lactation. Development physiology. General metabolism and its regulation—the physiology and metabolism of specific organs—heart, muscle, liver, kidney. The physiology of the mammalian digestive tract. Environmental physiology—adaptive mechanisms—especially in the newborn, and in heat tolerance; the immune reaction. Electrolyte physiology—acid-base equilibrium of the organism; use of clearance values in measuring renal and liver activity—respiration—techniques of gas analysis and respirometry. Circulation, cardiac output and distribution (experimental techniques), special vascular circuits (pulmonary, cerebral, hepatic, splenic, renal, testicular). Physiology of the skin.

TEXT BOOK (9.601, 9.602)

Sampson Wright. *Applied Physiology*. 10th ed., Oxford U.P.

REFERENCE BOOKS (9.531, 9.532, 9.533)

Best and Taylor. *Physiological Basis of Medical Practice*.

Benzie and Phillipson. *The Alimentary Tract of the Ruminant*.

Brachet. *Biochemical Cytology*.

Dukes. *Physiology of Domestic Animals*.

Fulton. *Textbook of Physiology*.

Hall. *The Functions of the Endocrine Glands*.

Hammond (ed.). *Progress in the Physiology of Farm Animals* (3 vols.) Butterworth.

Hawker. *Synopsis of Endocrinology*.

Maximow and Bloom. *A Textbook of Histology*.

Prosser and Brown. *Comparative Animal Physiology*. Saunders, 1962.

Scheer. *Comparative Animal Physiology*.

Short. *The Bio-synthesis and Secretion of Adrenal Steroids*.

Spector. *Handbook of Biological Data*. Saunders.

Tepperman. *Metabolic and Endocrine Physiology*. Year Book — Medical Publishers.

Trautman and Fiebigel. *Fundamentals of the Histology of Domestic Animals*.

Turner. *General Endocrinology*. 3rd ed., Saunders.

West and Todd. *Textbook of Biochemistry*. MacMillan.

9.801 Genetics I

Applied genetics in relation to sheep and other farm livestock. Mendelian inheritance. Chromosomes, linkage and the physical basis of heredity. Gene action in physiology, development and sex determination. Mutation. Principles of statistical genetics, strength of inheritance, selection, inter-relationships, genetics and sheep improvement.

9.802 Genetics II

Genetic structure of populations. Forces causing genetic change. Partition of genetic and phenotypic variation. Resemblance between relatives and estimation of genetic parameters. Direct and correlates selection responses. Aids to selection and selection indexes. Inbreeding and genetic drift. Genetic homeostasis. Genotype — environment interaction. Heterosis and its utilization. Interaction of natural and artificial selection. Limits to selective progress.

TEXT BOOKS (9.801, 9.802)

- Falconer. *Introduction to Quantitative Genetics*. Oliver & Boyd, 1960.
Lerner. *Genetic Basis of Selection*. Wiley, 1958.
Sinnott, Dunn and Dobzhansky. *Principles of Genetics* 5th ed., McGraw Hill, 1957.

REFERENCE BOOKS (9.801, 9.802)

- Allaid. *Principles of Plant Breeding*. Wiley, 1960.
Bogart. *Improvement of Livestock*. Macmillan, 1959.
Dunn. *Genetics in the 20th Century*. Macmillan, 1961.
Fisher. *Theory of Inbreeding*. Oliver & Boyd, 1949.
Hagedoorn. *Animal Breeding*. 6th ed., Crosby Lockwood, 1962.
Johansson. *Genetic Aspects of Dairy Cattle Breeding*. Oliver & Boyd, 1962.
Kempthorne. *Introduction to Genetic Statistics*. Wiley, 1957.
Lerner. *Population Genetics and Animal Improvement*. Cambridge, 1950.
Lerner. *Genetic Homeostasis*. Oliver & Boyd, 1954.
Li. *Population Genetics*. Chicago, 1955.
Lush. *Animal Breeding Plans*. 3rd ed., Iowa, 1945.
Smith. *Theory of Evolution* 2nd ed., Penguin, 1966.
Snedecor. *Statistical Methods*. 5th ed., Iowa, 1956.
Snyder and David. *Principles of Heredity*. 5th ed., Heath, 1957.
Spiess (ed.). *Papers on Animal Population Genetics*. Methuen, 1964.
Srb, Owen and Edgar. *General Genetics*. 2nd ed., Freeman, 1965.
Waddington. *Strategy of the Genes*. Allen & Unwin, 1957.

9.811 Biostatistics

Random sampling. Estimation and tests of significance. Comparison of means. Regression and correlation. Analysis of variance and covariance. Factorial experiments. Multiple and curvilinear regression. Treatment of non-orthogonal data. Analysis of enumeration data. Distribution-free methods. Planning of experiments and surveys.

TEXT BOOK

Steel and Torrie. *Principles and Procedures of Statistics*. McGraw Hill, 1960.

REFERENCE BOOKS

Anderson and Bancroft. *Statistical Theory in Research*. McGraw Hill, 1952.

Cochran and Cox. *Experimental Designs*. 2nd. ed., Wiley, 1956.

Cox. *Planning of Experiments*. Wiley, 1958.

Fisher. *Statistical Methods for Research Workers*. 13th ed., Oliver & Boyd, 1958.

Fisher. *Design of Experiments*. 7th ed., Oliver & Boyd, 1960.

Goulden. *Methods of Statistical Analysis*. 2nd ed., Wiley, 1952.

Pearce. *Biological Statistics*. McGraw Hill, 1965.

Snedecor. *Statistical Methods*. 5th ed., Iowa, 1956.

Williams. *Regression Analysis*. Wiley, 1959.

9.011 Sheep Production

Principles of animal production and their application to the sheep industry; reproduction and fertility, milk secretion, growth and development, nutrition, genetics. Crossbreeding and prime lamb production. Factors affecting sheep production; pasture improvement; fodder conservation; supplementary feeding; drought feeding; water conservation; irrigation.

TEXT BOOK

McMeekan. *Principles of Animal Production*. 4th ed., Whitcombe & Tombs, 1960.

REFERENCE BOOKS

American Meat Institute Foundation. *The Science of Meat and Meat Products*.

Barnard (ed.). *The Simple Fleece*. Melbourne U.P., Freeman, 1960.

Cole and Cupps (eds.). *Reproduction in Domestic Animals*. (2 Vols.). Academic Press.

Hafez (ed.). *Reproduction in Farm Animals*. Lea & Febiger, 1962.

Hammond (ed.). *Progress in the Physiology of Farm Animals*. (3 vols.). Butterworth.

9.111 Sheep Husbandry

The sheep industry of Australia and its place in the economic life of the Commonwealth. The breeds of sheep of importance to Australia. Elementary anatomy and physiology of sheep.

Sheep management — classing, culling; purchase and care of rams; management of the breeding ewe; mating; lambing; lamb marking; shearing, crutching and wiggling; management of weaners; drenching; dipping; mulesing; principal sources of loss and their control.

TEXT BOOKS

Bleschner. *Sheep Management & Diseases*. 8th ed., Angus & Robertson, 1965.

Cole. *Sheep Management for Wool Production*. Grazcos, 1963.

REFERENCE BOOKS

- Austen. *The Merino, Past, Present and Probable*. Angus & Robertson.
 Barnard (ed.). *The Simple Fleece*.
 C.S.I.R.O. *The Australian Environment*. 3rd ed., Melbourne U.P., 1960.
 Guthrie. *A World History of Sheep and Wool*. Pastoral Review.
 Molnar (ed.). *A Manual of Australian Agriculture*. Heineman.
 Villee. *General Biology*.

SCHOOL OF APPLIED PSYCHOLOGY

12.001 Psychology I

Theory — The subject-matter and methods of psychology, the biological and social determinants of behaviour, the basic processes of personality development, motivation, perception, thinking, learning, individual differences in ability patterns, the organizing of behaviour in the developing individual and adjustment. Emphasis throughout the course is placed on scientific appraisal of human behaviour. Hypotheses and experimental and other evidence are examined for their scientific validity. Practical — Group experiments and demonstrations, and experience in methods of psychological observation and statistical procedures appropriate to them.

TEXT BOOKS

Part A — Theory

- Whittaker, J. O. *Introduction to Psychology*. Saunders, 1965.
 Whittaker, J. O. *Student's Workbook to accompany "Introduction to Psychology"*. Saunders, 1965.

Part B — Practical

- Anderson, B. F. *The Psychology Experiment*. Wadsworth, 1966.
 Llewellyn, K. *Statistics for Psychology I*. Univ. N.S.W. Press, 1968.

REFERENCE BOOKS

Part A — Theory

- Deese, J. *Principles of Psychology*. Allyn & Bacon, 1966.
 Hilgard, E. R. and Atkinson, R. C. *Introduction to Psychology*. 4th ed. Harcourt, Brace & World, 1967.
 Lindgren, H. C., Byrne, D. and Petrinovich, L. *Psychology: An Introduction to Behavioural Science*. Wiley, 1966.
 McKeachie, W. J. and Doyle, C. L. *Psychology*. Addison Wesley, 1966.
 Morgan, C. T. and King, R. A. *Introduction to Psychology*. McGraw-Hill, 1966.
 Munn, N. L. *Psychology*. Houghton Mifflin, 1966.
 Morgan, C. T. *Physiological Psychology*. McGraw-Hill, 1964.
 Scientific American, Readings from. *Frontiers of Psychological Research*. Freeman, 1964.

Part B — Practical

- McCullough, C. and Van Atta, L. *Statistical Concepts*. McGraw-Hill, 1963.
 Chase, C. I. *Elementary Statistical Procedures*. McGraw-Hill, 1967.
 Elzey, F. F. *A First Reader in Statistics*. Wadsworth, 1967.

12.022 Psychology II

The development and structure of personality, and associated practical work and statistics. In the theory lectures, attention is given to the effects of inter-personal relationships at successive stages of development; the influence of hereditary and socio-economic factors upon personality variables; motivation theory within the framework of personality theory; and approaches to the description of personality structure. The practical work illustrates the lecture course content and extends to practice interviewing and in the administration and interpretation of personality tests.

TEXT BOOK

Part A — Personality

Sarason, I. G. *Personality: An Objective Approach*. Wiley, 1966.

REFERENCE BOOKS

Blum, G. S. *Psychodynamics: The Science of Unconscious Mental Forces*. Wadsworth, 1966.

Hall, C. S. and Lindzey, G. *Theories of Personality*. Wiley, 1957.

Lazarus, R. S. *Adjustment and Personality*. McGraw-Hill, 1961.

Martin, W. and Stendler, C. R. *Readings in Child Development*. Harcourt Brace, 1961.

Mednick, M. and Mednick, S. *Research in Personality*. Holt, Rinehart & Winston, 1964.

McNeil, E. B. *The Concept of Human Development*. Wadsworth.

McCurdy, H. G. *The Personal World*. Harcourt Brace, 1961.

Rosenblith, J. and Allinsmith, W. *The Causes of Behaviour*. Allyn & Bacon.

Sarnoff, I. *Personality Dynamics and Development*. Wiley, 1962.

Vernon, P. E. *Personality Assessment*. Methuen, 1964.

Vernon, P. E. *Personality Tests and Assessments*. Methuen, 1953.

Part B — Psychological Statistics II.

TEXT BOOK

Armour, S. J. *Introduction to Statistical Analysis and Inference*. Wiley, 1966.

REFERENCE BOOKS

Du Bois, P. H. *An Introduction to Psychological Statistics*. Harper, 1965.

Edwards, A. L. *Statistical Methods for the Behavioural Sciences*. Holt, 1954.

Ferguson, G. A. *Statistical Analysis in Psychology and Education*. McGraw-Hill, 1966.

Games, P. A. and Klare, G. R. *Elementary Statistics*. McGraw-Hill, 1967.

Guenther, W. C. *Concepts of Statistical Inference*. McGraw-Hill, 1965.

Guilford, J. P. *Fundamental Statistics in Psychology and Education*. McGraw-Hill, 1965.

McCollough, C. and Van Atta, L. *Statistical Concepts*. McGraw-Hill, 1963.

Peatman, J. G. *Introduction to Applied Statistics*. Harper, 1963.

12.023 Psychology IIIA

Psychological Testing — theory and practice. A special study of the Psychology of Adjustment — phenomena, problems and reactions related to human adjustment and maladjustment; minor and major psychological disturbances; and examination of empirical data and theoretical concepts.

Part A — Psychological Testing.

TEXT BOOK

Anastasi, A. *Psychological Testing*. Macmillan, 1961.

REFERENCE BOOKS

Cronbach, L. J. *Essentials of Psychological Testing*. Harper, 1960.

Freeman, F. S. *Theory and Practice of Psychological Testing*. Holt, 1962.

Helmstadter, G. C. *Principles of Psychological Measurement*. Appleton, 1964.

Lyman, H. B. *Test Scores and What They Mean*. Prentice Hall, 1963.

Nunnally, J. C. *Test and Measurements*. McGraw-Hill, 1959.

Vernon, P. E. *Intelligence and Attainment Tests*. U.L.P., 1960.

Vernon, P. E. *The Measurement of Abilities*. U.L.P., 1956.

Vernon, P. E. *The Structure of Human Abilities*. Methuen, 1961.

Vernon, P. E. *Personality Tests and Assessments*. Methuen, 1953.

Test Manuals published by Australian Council for Educational Research.

Part B — Psychology of Adjustment.

TEXT BOOKS

Coleman, J. C. *Abnormal Psychology and Modern Life*. 3rd ed., Scott, Foresman and Co., 1964.

Foss, B. M. (ed.). *New Horizons in Psychology*. Penguin, 1966.

Argyle, M. *The Psychology of Interpersonal Behaviour*. Penguin, 1967.

Hamilton, Max. *Abnormal Psychology*. (Penguin Modern Psychology Readings), Penguin, 1967.

Vernon, Jack. *Inside the Black Room*. Penguin, 1966.

Kessel, N. and Walton, H. *Alcoholism*. Penguin, 1965.

Bromley, D. B. *The Psychology of Human Ageing*. Penguin, 1966.

Oswald, Ian. *Sleep*. Penguin, 1966.

REFERENCE BOOKS

Davis, D. Russell. *An Introduction to Psychopathology*. 2nd ed., Oxford U.P., 1966.

Kisker, G. W. *The Disorganised Personality*. McGraw-Hill, 1964.

Rosen, E. and Gregory, I. *Abnormal Psychology*. Saunders, 1965.

Buss, A. H. *Psychopathology*. Wiley, 1966.

Lazarus, R. S. *Psychological Stress and the Coping Process*. McGraw-Hill, 1966.

Maher, B. A. *Principles of Psychopathology*. McGraw-Hill, 1966.

Wolpe, J. and Lazarus, A. A. *Behaviour Therapy Techniques*. Pergamon Press, 1966.

Sargant, W. *Battle for the Mind*. Heinemann, 1957.

SCHOOL OF HOSPITAL ADMINISTRATION

(i) SUBJECTS FOR DEGREE OF MASTER OF
HOSPITAL ADMINISTRATION**12.671G Human and Industrial Relations**

An introduction to psychological analysis of individual behaviour — the processes of learning, motivation and adjustment. A study of group processes — attitude formation and change, leadership-group dynamics. Applications of psychological principles to aspects of management and industrial relations. History and structure of relevant Australian trade unions. Arbitration and conciliation.

TEXT BOOKS

Karn and Weitz. *An Introduction to Psychology*. Wiley N.Y., 1955.

Brown, J. A. C. *Social Psychology of Industry*.

Brown, W. B. *Explorations in Management*. Heineman, 1960.

REFERENCE BOOKS

Blum, M. *Industrial Psychology and its Social Foundations*.

Freud, S. *Outline of Psychology*.

Garret, H. *Great Experiments in Psychology*.

Ghiselli and Brown. *Personnel and Industrial Psychology*.

James, W. *Textbook of Psychology*.

Klineberg, O. *Social Psychology*.

Marriott, R. *Incentive Payment Systems*.

Maier, N. *Frustration*.

Maier, N. *Psychology in Industry*.

Russell, B. *History of Western Philosophy*.

Russell, B. *Scientific Outlook*.

Wootten, B. *Testament for Social Science*.

Wolpe, G. *Behaviour Therapy*.

14.031G Hospital Accounting

An introduction to generally accepted accounting principles and the fund theory of accounting. The provision and administrative utilization of accounting and statistical data, internal control, budgeting and cost analysis.

PRELIMINARY READING

American Hospital Association. *Bookkeeping Procedures and Business Practices for Small Hospitals*. A.H.A., 1956.

TEXT BOOKS

Seawell, L. Vann. *Principles of Hospital Accounting*. Physicians' Record Co., 1960.

Seawell, L. Vann. *Hospital Accounting and Financial Management*. Physicians' Record Co., 1964.

American Hospital Association. *Budgeting Procedures for Hospitals*. A.H.A. 1961.

REFERENCE BOOKS

- Hay, L. E. *Budgeting and Cost Analysis for Hospital Management*, 2nd ed., Pressler Publications, 1963.
- American Hospital Association. *Uniform Hospital Definitions*. A.H.A., 1966.
- American Hospital Association. *Chart of Accounts for Hospitals*. A.H.A., 1966.
- American Hospital Association. *Cost Finding for Hospitals*. A.H.A., 1957.
- Yorston, Smyth and Brown. *Accounting Fundamentals*. 6th ed., Law Book Co., 1966.

15.901 Economics (Hospital Administration)

An introductory examination of the working of a modern economic system, with some reference to Australian economic institutions and conditions.

The main topics are: consumer demand, cost analysis, market equilibrium, money and banking, pricing of factors of production, investment decisions, international trade, social accounting, social welfare, population trends and policy; and Australian economic institutions, including trade unions, arbitration system, the Tariff Board, the Reserve Bank.

TEXT BOOKS

- Robinson, M. A., Morton H. C., Calderwood J. D. and Lamberton, D. M. *An Introduction to Economic Reasoning*. Tudor Press, 1965.
- Samuelson, P. A. *Economics: An Introductory Analysis*. 6th ed., McGraw-Hill, 1964.

REFERENCE BOOKS

- Boxer, A. H. (ed.). *Aspects of the Australian Economy*. M.U.P., 1965.
- Commonwealth of Australia. *The Australian Economy*, 1966. Government Printer.
- Grant, J. McB., and Hagger, A. J. (eds.). *Economics: An Australian Introduction*. Cheshire, 1964.
- Karmel, P. and Brunt, M. *The Structure of the Australian Economy*. Cheshire, 1966.
- Australian Economic Background from the Report of the Committee of Economic Enquiry*. Cheshire, 1966.

15.914G Social and Economic Framework

Topics from the social and economic history of Britain and Australia for the period since 1750, including population change, the spread of industrialisation, business ideologies, the labour movement, the role of government and social legislation.

The structure and working of the Australian economy, including an analysis of the concept and measurement of national income, the composition and significance of social accounts, the monetary system, fiscal and monetary policy, social services, and Commonwealth-State financial relationships.

TEXT BOOKS

- Ashton, *The Industrial Revolution*. H.U.L., 1948.
- Ashworth, W. *An Economic History of England, 1870-1939*. Methuen, 1960.

Hagenbuch. *Social Economics*. Cambridge U.P., 1958.

Pelling. *History of British Trade Unionism*. Pelican, 1963.

Lipsey, R. G. *An Introduction to Positive Economics*. Wiedenfeld and Nicolson, 1966.

REFERENCE BOOKS

Phelps Brown, E. H. *The Growth of British Industrial Relations*. 1960.

Richardson. *Economic and Financial Aspects of Social Security*. Allen and Unwin, 1960.

Hammond and Hammond. *The Bleak Age*. Pelican, 1947.

Zweig, F. *The British Worker*. Pelican, 1953.

George, D. *England in Transition*. Pelican, 1952.

Karmel, P. and Brunt, M. *The Structure of the Australian Economy*. Cheshire, 1966.

Arndt, H. W. and Corden, W. M. (eds.). *The Australian Economy*. Cheshire, 1963.

15.944G Statistics (Hospital Administration)

The basic elements of probability and statistics, applications of relevance to the hospital administrator, including the concept of probability and random variation, the algebra of probability, random variables and probability distributions, the binomial, normal and Poisson distributions, an introduction to queuing theory, simulation procedures, and inventory control, a review of the basic elements of hypothesis testing and estimation, decision theory, an introduction to vital statistics and demography.

TEXT BOOKS

Bierman, H., Bonini, C. P., Fouraker, L. E., Jaedicke, R. K. *Quantitative Analysis for Business Decisions*. 2nd ed. Irwin, 1965.

REFERENCE BOOKS

Goldberg, S. *Probability*. Prentice-Hall, 1960.

Schlaifer, R. *Probability and Statistics for Business Decisions*. McGraw-Hill, 1959.

Starr, M. K. and Miller, D. W. *Inventory Control — Theory and Practice*. Prentice-Hall, 1962.

16.621G Hospital Organization and Management

Theories of management, the administrative structure of hospitals, the nature of and inter-relationships within their departmental organization; principles of planning, organization, control and techniques of investigation; forecasting, coordination, direction and command; authority and responsibility; criteria of communication; effects of different organization forms on communication; barriers to communication.

(Includes thirty-seven weeks' in-service experience involving hospital attachments and review courses).

TEXTBOOKS

Urwick, I. L. *The Elements of Administration*. Pitman, 1947.

Tead, O. *The Art of Administration*. Pitman, 1947.

- Wolf, William B. *Management — Reading Towards a General Theory*. Wadsworth, 1946.
- Owen, J. K. (ed.). *Modern Concepts of Hospital Administration*. Saunders, 1962.

REFERENCE BOOKS

- Barnard, C. *The Functions of the Executive*. Harvard, 1947.
- Fayol, H. *General and Industrial Management*. Pitman, 1949.
- Simon, H. A. *Administrative Behaviour*. Macmillan, 1957.
- Brown, J. A. C. *The Social Psychology of Industry*. Penguin, 1962.
- Roethlisberger, F. J. *Management and Morale*. Harvard, 1959.
- Molesworth, V. *Factors in Effective Communication*. West Publishing.
- Smalley, H. E. and Freeman, J. R. *Hospital Industrial Engineering*. Reinhold, 1966.
- Peters, R. and Kinnaird, J. *Health Services Administration: A Source Book*. Livingstone, 1965.
- Revans, R. W. *Standards for Morale: Cause and Effect in Hospitals*. Oxford U.P., 1964.
- Australian Medical Association. *Medical Services Review Committee Report*. A.M.A., 1965.
- Parliament of N.S.W. *Report of the Hospital Services Committee*. Govt. Printer, 1965.
- McKeown, T. *A Balanced Teaching Hospital*. Oxford U.P., 1965.

16.631G Comparative Hospital and Health Service Administration

A comparative study of the system of hospital and health service administration in Australia, the United Kingdom, the United States of America and the Union of Soviet Socialist Republics; their sources of finance; the media through which it is disbursed; the authority and responsibilities of administrative bodies concerned; the planning of their services; methods of staffing with particular reference to medical staffing.

TEXTBOOKS

- Lindsey, A. *Socialised Medicine in England and Wales*. Chapel Hill, 1963.
- Somers, H. and Somers, A. *Doctors, Patients and Health Insurance*. Brookings, 1961.
- Griffith, J. (ed.). *The 1967 Australian and New Zealand Hospitals and Health Services Yearbook*. School of Hospital Administration and Hospital Administration Journal, 1967.
- Forsyth, G. *Doctors and State Medicine*. Pitman Medical, 1966.

REFERENCE BOOKS

- International Labour Organisation. *The Cost of Medical Care*. Geneva, 1959.
- Page, Sir Earl. *What Price Medical Care*. Lippincott Co., 1960.
- Ministry of Health (Gr. Brit.). *Annual Reports of Ministry of Health*. H.M.S.O., Annual.
- Ministry of Health (Gr. Brit.). *A Hospital Plan for England and Wales*. H.M.S.O., 1964.

- Ministry of Health (Gr. Brit.). *Report of the Committee of Enquiry into the Cost of the National Health Service*. H.M.S.O., 1956.
- Action Society Trust. *Hospitals and the State*. Pamphlets 1 to 6, The Society, 1955.
- Eckstein, H. *The English Health Service*. Harvard, 1959.
- Gemmill, P. F. *Britain's Search for Health*. U. of Penns., 1960.
- Institute of Hospital Administrators (U.K.). *The Hospitals Year Book*. The Institute, Annual.
- American Hospital Association. *Hospitals Guide Issue*. The Association, Annual.
- The National Health Assembly. *America's Health*. Harper & Bros., 1949.
- President's Commission on the Health Needs of the Nation. *Building America's Health*. Vols. 1-5., The Commission, 1952.
- Stern, B. J. *Medical Services by Government*. Commonwealth Fund, 1946, New York.
- McNerney et al. *Hospital and Medical Economics*. (Vols.1 & 2), Hospital Research Trust, 1962.
- Hamilton et al. *Patterns of Hospital Ownership and Control*. U. of Minnesota, 1961.
- Hedinger, F. R. *The Social Role of Blue Cross as a Device for Financing the Costs of Hospital Care: An Evaluation*. U. of Iowa, 1966.
- Harris, S. *The Economics of American Medicine*. MacMillan, 1964.
- Commission on Hospital Care. *Hospital Care in the U.S.* Harvard, 1957.
- Paige, D. and Jones, K. *Health and Welfare Services in Britain in 1975*. Cambridge U.P., 1966.

(ii) SUBJECTS FOR DIPLOMA IN HOSPITAL ADMINISTRATION

12.681 Human Relations in Administration

The content and methods of psychology and determinants of behaviour. Some contemporary theories of social behaviour will be examined and social organisation analysed. Findings in the field of group dynamics, with emphasis on leadership behaviour, will also form part of the subject matter and there will be further studies in communication. (See Hospital Administration I.)

14.022 Hospital Fund Accounting

Introduction to the fund theory of accounting and to generally accepted accounting principles. The recording of hospital transactions in the various funds and the preparation, analysis and interpretation of historical accounting reports.

PRELIMINARY READING

- Yorston, Smyth and Brown. *Elementary Accounting*, 4th ed., Law Book Co., 1965.
- Yorston, Smyth and Brown. *Accounting Fundamentals*, 6th ed., Law Book Co., 1966 (Chapters 1, 2, and 3).

TEXT BOOK

- Seawell, L. Vann. *Principles of Hospital Accounting*. Physicians' Record Co., 1960.

REFERENCE BOOK

American Hospital Association. *Bookkeeping Procedures and Business Practice for Small Hospitals*. A.H.A., 1956.

14.023 Hospital Management Accounting

Introduction to the various management accounting techniques which may be used by the hospital administrator as an aid to planning, control and decision-making. The emphasis will be on internal control, budgeting and cost analysis.

TEXT BOOKS

Seawell, L. Vann. *Hospital Accounting and Financial Management*. Physicians' Record Co., 1964.

Hay, L. E. *Budgeting and Cost Analysis for Hospital Management*. 2nd ed., Pressler Publications, 1963.

American Hospital Association. *Budgeting Procedures for Hospitals*. A.H.A., 1961.

REFERENCE BOOKS

Yorston, Smyth and Brown. *Accounting Fundamentals*, 6th ed., Law Book Co., 1966.

Moore and Stettler. *Accounting Systems for Management Control*. Irwin, 1963.

Mason, Perry. "Cash Flow" *Analysis and the Funds Statement: Accounting Research Study No. 2*. A.I.C.P.A., 1961.

American Hospital Association. *Uniform Hospital Definitions*. A.H.A., 1966.

American Hospital Association. *Cost Finding for Hospitals*. A.H.A., 1957.

American Hospital Association. *Chart of Accounts for Hospitals*. A.H.A. 1966.

16.011 Hospital Administration I

Introduces students to the theory of administration; they will examine such concepts of administration as responsibility, authority, supervision, organization, delegation and control. As a specific example, the student will study the administrative structure of the hospital service and of representative hospitals. Some instruction in administration practices and the problems of communication.

TEXT BOOKS

Tead, Ordway. *The Art of Administration*. Pitman, 1947.

Dubin, Robert. *The World of Work*. Prentice Hall, 1958.

Newman, W. H. *Administrative Action*. Pitman, 1963.

Robinson, G. A. *Hospital Administration*. 2nd ed., Butterworth, 1966.

REFERENCE BOOKS

Whyte, W. A. *The Organisation Man*. Penguin, 1958.

MacEachern, M. *Hospital Organisation and Management*. 4th ed., Physicians' Record Co., 1957.

16.012 Hospital Administration II

Provides students with an understanding of the relationships: (a) between hospital governing bodies and the statutory or other authorities under which the bodies are constituted; (b) between the governing bodies and their administrators; (c) between the latter and senior department officers, professional and other hospital staff.

Various forms of departmental organization and methods by which the administrator can secure high standards of hospital treatment and care.

TEXT BOOKS

Robinson, G. A. *Hospital Administration*. 2nd ed., Butterworth, 1966.

REFERENCE BOOKS

Owen, J. K. (ed.). *Modern Concepts of Hospital Administration*. Saunders, 1962.

Peters, R. and Kinnaird, J. *Health Services Administration: A Source Book*. Livingstone, 1965.

16.013 Hospital Administration III

The Australian National Health Scheme, the States' hospital systems and the functions of the Commonwealth Department of Health and other Commonwealth authorities responsible for hospital and health service provision. Sources of finance; the media through which it is disbursed; the authority and responsibility of administrative bodies concerned; the planning of their services; methods of medical staffing. A brief introduction to the systems of hospital and health service provision in the United Kingdom, the United States of America and the Union of Soviet Socialist Republics.

TEXT BOOKS

Lindsey, A. *Socialised Medicine in England and Wales*. Chapel Hill, 1963.

Titmuss, R. M. *Essays on The Welfare State*. 2nd ed., Unwin Univ. Books, 1963.

Forsyth, G. *Doctors and State Medicine*. Pitman Medical, 1966.

Somers, H. and Somers, A. *Doctors, Patients and Health Insurance*. The Brookings Institution, 1961.

Nevins, A. and Commanger, W. *A Short History of the U.S.A.*. Mentor Books.

REFERENCE BOOKS

Ministry of Health (Gr. Brit.). *The National Health Service (England and Wales) Act 1946*. H.M.S.O. 1946.

Ministry of Health. *A National Health Service* (The Willink White Paper). H.M.S.O., 1944.

Ministry of Health (Gr. Brit.). *National Health Service Bill (Summary of the proposed new service, March, 1946)*. H.M.S.O., 1946.

Ministry of Health (Gr. Brit.). *Report of the Committee of Enquiry into the Cost of the National Health Service*. H.M.S.O., 1956.

Eckstein, H. *The English Health Service*. Harvard U.P., 1959.

Gemmell, P. F. *Britain's Search for Health*. U. of Penns., 1960.

Paige, D. and Jones, K. *Health and Welfare Services in Britain in 1975*. Cambridge U.P., 1966.

- Medical Services Review Committee. *A Review of the Medical Services in Great Britain*. Cambridge U.P., 1966.
- Jewkes, J. and Jewkes, S. *The Genesis of the British National Health Service*. Blackwell, 1962.
- Lees, D. S. *Health Through Choice*. Institute of Economic Affairs. 1961.
- Institute of Hospital Administrators (U.K.). *The Hospitals Year Book*. I.H.A. Annual.
- Ministry of Health (Gr. Brit.). *Annual Reports of Ministry of Health*. H.M.S.O., Annual.
- Hamilton, J. *Patterns of Hospital Ownership and Control*. U. of Minnesota, 1961.
- Griffith, J. R., (ed.). *Australian and New Zealand Hospitals and Health Services Yearbook*. School of Hospital Administration. 1967.
- Ministry of Health (Gr. Brit.). *A Hospital Plan for England and Wales*. H.M.S.O., 1964.
- American Hospital Association. *Hospitals: Guide Issue*. A.H.A., Annual.

16.211 Law I (Hospital Administration)

An introduction to the Australian legal system with particular reference to the formal sources of law, and the judicial process, the nature of federalism, the division of legislative power between the Commonwealth and the States and the relationship between Commonwealth and State laws.

Principles of the law of contract which will be studied in detail together with the law relating to sale of goods, agency, insurance, bailments and negotiable instruments. Some reference will also be made to the formalities associated with the disposition of property by will, and the concept of the trust.

TEXT BOOKS

- Sykes, E. I. *The Employer, the Employee and the Law*. 2nd. ed. Law Book Co., 1964.
- Yorston, R. K. and Fortescue, E. E. *Australian Mercantile Law*. 13th ed., Law Book Co., 1965.
- Derham, Maher and Waller. *An Introduction to Law*. Law Book Co., 1966.

REFERENCE BOOKS

- Hart, H. L. A. *The Concept of Law*. Oxford, 1961.
- McGarvie, Pannan and Hocker. *Cases and Materials on Contract*. Law Book Co., 1966, Sydney.
- Cheshire and Fifoot. *The Law of Contracts*. Butterworth (Aust. ed.), 1966.
- Cross, R. *Precedent in English Law*. Oxford U.P., 1961.
- Wynes, W. A. *Legislative, Executive and Judicial Powers in Australia*. 3rd ed., Law Book Co., 1962.

16.212 Law II (Hospital Administration)

Principally a study of those general principles of the law of torts which are relevant to the administration of hospitals; for example, principles governing liability for negligence, including vicarious liability for the acts and defaults of servants, independent contractors and others, nuisance, trespass to the person, occupier's liability, liability for breach of statutory

duty and employer's liability. Available defences will also be dealt with. A general survey of some other aspects of the law regulating the relationship of employer and employee, including the character and function of Commonwealth and State industrial tribunals and important statutory provisions relating to employment such as provisions for long service leave and workers' compensation. Other legislation of particular significance in hospital administration, such as Acts and Regulations dealing with registration of births and deaths, dangerous drugs, child welfare.

TEXT BOOKS

- Baalman, J. *Outline of Law in Australia*. 2nd ed. Law Book Co., 1955.
 Fleming, J. G. *The Law of Torts*. 3rd ed., Law Book Co., 1965.
 Sykes, E. I. *The Employer, the Employee and the Law*. 2nd ed., Law Book, Co., 1964.

REFERENCE BOOKS

- Nathan, Lord. *Medical Negligence*. Butterworth, 1957.
 Nolan and Cohen. *Industrial Law in Australia*. 3rd ed., Vol. I., 2nd ed., Vol. II. Butterworth, 1963.
 Dey and McKenzie. *Outline of Industrial Law*. Law Book Co., 1965.
 Mills, C. P. *Statutory Conditions of Employment in New South Wales*. Butterworth, 1959.

16.311 Public Administration

Examines the development of the Commonwealth and States' systems of government; distribution of powers between the Commonwealth and States; functions of departments and ministers and statutory bodies such as commissions; responsibilities of the Public Service; staffing structure of the Public Service, its methods of recruitment and training; some reference to systems of public administration in other countries.

TEXT BOOK

- Spann, R. N. (ed.). *Public Administration in Australia*. N.S.W. Govt. Printer, 1960.

16.411 Hospital Provision I

Place of hospital in a developed community; factors affecting hospital use and manner in which variations of these affect hospital's function; area wide planning; methods of determining bed requirements; stages in planning and construction; the project team; preparing the architect's brief; architectural limits on hospital planning.

TEXT BOOKS

- Logan, R. and Forsyth, G. *Demand for Medical Care*. N.P.H.T. and Oxford U.P., 1960.
 Rosenthal, G. D. *The Demand for General Hospital Facilities*. A.H.A., 1964.
 U.S. Public Health Service. *Where is Hospital Use Headed*. U.S.P.H.S., 1966.
 Llewelyn-Davies, R. and Macauley, H. M. C. *Hospital Planning and Administration*. W.H.O., 1966, Geneva.

- Griffith, J. R. (ed.). *Papers of the International Seminar*, 1967. School of Hospital Administration, U. of N.S.W.
- American Hospital Association. *Manual of Hospital Planning Procedures*. A.H.A., 1959, Chicago.

REFERENCE BOOKS

- Goodman, Neville M. *Alternatives to Hospital Care*. Council of Europe, 1963.
- Seipp, Conrad (ed.). *Health Care for the Community*. Selected Papers of Dr. J. B. Grant. Johns Hopkins Press, 1963.
- McLachlan, Gordon (ed.). *Problems and Progress in Medical Care*. Selected Papers. N.P.H.T. and Oxford U.P., 1964.
- Airth, A. D. and Newell, D. J. *The Demand for Hospital Beds*. U. of Durham, 1962.
- U.S. Dept. of Health, Education and Welfare. *Medical Care in Transition*. Reprints from *American Journal of Public Health*, Vol. 1, and Vol. 2, 1964, Washington.
- Ministry of Health (Gr. Brit.). *Health and Welfare. The Development of Community Care*. H.M.S.O., 1964, London.
- Ministry of Health (Gr. Brit.). *A Hospital Plan for England and Wales*. H.M.S.O., 1964.
- Nuffield Provincial Hospital Trust. *A Balanced Teaching Hospital*. Oxford U.P., 1965.
- U.S. Dept. of Health, Education and Welfare. *Medical Education Facilities*. The Dept., 1964.
- Ministry of Health (Gr. Brit.). *Development of Consultant Services*. H.M.S.O., 1950.
- U.S. Dept. of Health, Education and Welfare. *Conference on Research in Hospital Use*. Washington, 1963.
- Bell, George H. (ed.). *Medical and Hospital School Design, International Symposium, Dundee*, 1961. E. & S. Livingstone Ltd. Vols. 1 & 2, Edinburgh & London.
- Nuffield Provincial Hospitals Trust. *Nuffield House, Musgrave Park Hospital. The Case History of a New Hospital Building*. N.P.H.T., 1962.
- United Leeds Hospitals and University of Leeds. *Teaching Hospital and Medical School, Leeds*. Planning Report, 1965. The Hospitals and the University, 1965.
- Stephenson and Turner. *Programme for the Planning Requirements for the Main Acute Hospital*. Stephenson & Turner, 1960, Sydney.
- Committee for the Survey of Hospital Needs of Metropolitan Toronto. *Survey of Hospital Needs of Metropolitan Toronto*. The Committee, 1963.
- McKeown, T. *Medicine in Modern Society*. Allen & Unwin, 1965.
- Tatton-Brown, W. E. *Designing the Medical Community*. R.I.B.A. Journal, (U.K.), Feb., 1965.
- Field, H. *Application of Comprehensive Planning to the Urban Teaching Medical Centre*. A.H.A. Journal (U.S.) "Hospitals", Nov. & Dec. 1965.
- Berresford, I. *The Teaching Hospital*. Arch. Review (U.K.), May, 1965.

Walker, G. H. *A Hospital Building Programme*. Hosp. Admin. (Aust.) Sept., 1966.

Hospital Services Committee. *Report of the Hospital Services Committee*. N.S.W. Govt. Printer, 1965.

Ministry of Health (Gr. Brit.). *Building Notes, Building Bulletins, Design Notes* — Serials. H.M.S.O., irregular.

16.412 Hospital Provision II

Relating provision to availability of resources; function and building design; design considerations of specific areas; treatment facilities and clinical services; supply systems and mechanical services; administrative and communications facilities; specifications, estimates, contracts and cost control; site procedure and relations of client with architect, engineer and builder; variations procedures; commissioning and maintaining the hospital; planning for adaptations and additions.

TEXT BOOKS

Llewelyn-Davies R. and Macaulay, H. M. C. *Hospital Planning and Administration*. W.H.O., 1966, Geneva.

U.S. Public Health Service. *Where is Hospital Use Headed?* U.S.P.H.S., 1966.

American Hospital Association. *Manual of Hospital Planning Procedures*. A.H.A., 1959.

REFERENCE BOOKS

Airth, A. D. and Newell, D. J. *The Demand for Hospital Beds*. U. of Durham, 1962.

Ministry of Health (Gr. Brit.). *Health and Welfare: The Development of Community Care*. H.M.S.O., 1964.

Ministry of Health (Gr. Brit.). *A Hospital Plan for England and Wales*. H.M.S.O., 1964.

Arthur, E. et al. *Guide to Hospital Building in Ontario*. U. of Toronto, 1954.

Gainsborough, H. and J. *Principles of Hospital Design*. Architectural Press, 1965.

Wheeler, E. Todd. *Hospital Design and Function*. McGraw-Hill, 1964.

Llewelyn-Davies, R. et. al. *Studies in the Function and Design of Hospitals*. N.P.H.T. & Oxford U.P. (third impression) 1960.

I.H.F. and International Union of Architects. *Basic Documents of the International Seminars on Hospital Architecture and Techniques*. I.H.F. & I.U.A., 1957, Geneva.

The Architectural Review. *Health and Hospitals*. Special issue, June, 1965.

Bell, George H. (ed.). *Medical and Hospital School Design*. International Symposium, Dundee, 1961. Vols. 1 & 2, Livingstone.

Scottish Home and Health Dept. *Hospital Design In Use: Vale of Leven Hospital*, 1963. H.M.S.O., 1965.

Scottish Home and Health Dept. *Hospital Design in Use: Victoria Hospital, Kirkcaldy*. H.M.S.O., 1965.

Nuffield Provincial Hospitals Trust. *Nuffield House, Musgrave Park Hospital: The Case History of a New Hospital Building*. N.P.H.T., 1962.

- Fry, E. Maxwell. *Some Considerations on Hospital Design*. The Builder (U.K.), March, 1963.
- Weeks, John. *Hospitals for the 1970's*. R.I.B.A. Journal, December, 1964.
- King Edward's Hospital Fund for London. *Commissioning New Hospital Buildings*. The Fund, 1966.

SCHOOL OF ECONOMICS

15.101 Economics I*

An introduction to economic analysis including the theory of the determination of prices and output of individual goods and services, the determination of the general price level, aggregate employment and national income, and the monetary and banking systems, with particular reference to Australian institutions and economic policy.

TEXT BOOKS

- Samuelson, P. A. *Economics: An Introductory Analysis*. 7th ed., McGraw-Hill, 1967.
- Robinson, R. *Study Guide to Accompany Samuelson: Economics*. 7th ed., McGraw-Hill, 1967.
- Haveman, R. H. and Knopf, K. A. *The Market System*. Wiley, 1966.
- Karmel, P. H. and Brunt, Maureen. *The Structure of the Australian Economy*. Cheshire, 1966.

REFERENCE BOOKS

- Arndt, H. W. and Corden, W. M. (eds.). *The Australian Economy: A Volume of Readings*. Cheshire, 1963.
- Arndt, H. W. and Harris, C. P. *The Australian Trading Banks*. 3rd ed., Cheshire, 1965.
- Commonwealth of Australia. *Australian National Accounts: National Income and Expenditure*. Commonwealth Statistician.
- Boulding, K. E. *Economic Analysis*. Vol. I: *Microeconomics*. Harper and Row, 1966.
- Dorfman, R. *Prices and Markets*. Prentice-Hall, 1967.
- Grant, J. McB. and Hagger, A. J. (eds.). *Economics: An Australian Introduction*. Cheshire, 1964.
- Leftwich, R. H. *The Price System and Resource Allocation*. Revised ed., Holt Rinehart and Winston, 1961.
- Commonwealth of Australia. *National Income and Expenditure*. Latest ed., Govt. Printer.
- Perkins, J. O. N. *Anti-cyclical Policy in Australia Since 1960*. Melbourne U.P., 1965.
- Sayers, R. S. *Modern Banking*. 6th ed., Clarendon Press, 1964.
- Schultze, C. L. *National Income Analysis*. 2nd ed., Prentice-Hall, 1967.
- Sirkin, G. *Introduction to Macroeconomic Theory*. Revised ed., Irwin, 1965.
- Tew, B. *Wealth and Income*. 4th ed., Melbourne U.P., 1964.

* This subject will assume matriculation mathematics.

15.151 Economics IT

A survey of economic analysis orientated towards Australian economic problems and policy. Matriculation mathematics is *not* required for this subject, but normally students passing it will not be able to enrol in Economics II.

PRELIMINARY READING

Robinson, M. A., Morton, H. C., Calderwood, J. D. and Lamberton, D. M. *An Introduction to Economic Reasoning*. Australian ed., Anchor Paperback, 1965.

TEXT BOOKS

Australian Economic Background. Cheshire, 1966.

Samuelson, P. A. *Economics: An Introductory Analysis*. 7th ed., McGraw-Hill, 1964.

Robinson, R. *Study Guide and Workbook to Accompany Samuelson: Economics*. 7th ed., McGraw-Hill, 1964.

REFERENCE BOOKS

Arndt, H. W., and Corden, W. M. (eds.). *The Australian Economy: A Volume of Readings*. Cheshire, 1963.

Commonwealth of Australia. *Australian National Accounts: National Income and Expenditure*. Commonwealth Statistician.

Commonwealth of Australia. *Labour Report*. Latest ed., Govt. Printer.

Dorfman, R. *Prices and Markets*. Prentice-Hall, 1967.

Grant, J. McB., and Hagger, A. J. (eds.). *Economics: An Australian Introduction*. Cheshire, 1964.

Ingram, J. C. *International Economic Problems*. Wiley, 1966.

Isaac, J. E. and Ford, G. W. (eds.). *Australian Labour Economics: Readings*. Sunbooks, 1967.

Karmel, P. H., and Brunt, M. *The Structure of the Australian Economy*. Cheshire, 1966.

Leftwich, R. H. *The Price System and Resource Allocation*. Rev. ed., Holt, Rinehart & Winston, 1961.

Commonwealth of Australia. *National Income and Expenditure*. Latest ed., Govt. Printer.

McColl, G. D. *The Australian Balance of Payments*. Melbourne U.P. 1965.

Perkins, J. O. N. *Anti-cyclical Policy in Australia Since 1960*. Melbourne U.P., 1965.

Sirkin, G. *Introduction to Macroeconomic Theory*. Rev. ed., Irwin, Homewood, 1965.

15.102 Economics II

Micro economic theory, a critical review of empirical studies of pricing policy, the theory of comparative advantage in international trade and trade policy, the theory of aggregate output and employment.

TEXT BOOKS

Dorfman, R. *Prices and Markets*. Prentice-Hall, 1967.

Dernburg, T. F., and McDougall, D. M. *Macroeconomics*. International Student Edition, McGraw-Hill, 1963.

Due, J. F., and Clower, R. W. *Intermediate Economic Analysis*. 5th ed., Irwin, 1966.

Kenen, P. *International Economics*. 2nd ed., Prentice-Hall, 1966.

REFERENCE BOOKS

Harcourt, G. C., Karmel, P. H., and Wallace, R. H. *Economic Activity*. C.U.P., 1967.

Stigler, G. J. *The Theory of Price*. 3rd ed., Macmillan, 1966.

Friedman, M. *Price Theory*. Aldine, 1962.

Mansfield, E. (ed.). *Monopoly Power and Economic Performance*. Norton, 1964.

Cohen, K. J., and Cyert, R. M. *Theory of the Firm: Resource Allocation in a Market Economy*. Prentice-Hall, 1965.

Ferguson, C. E. *Microeconomic Theory*. Irwin, 1966.

Hunter, A. (ed.). *The Economics of Australian Industry*. Melbourne U.P., 1963.

Scitovsky, T. *Welfare and Competition*. Allen and Unwin, 1952.

Watson, D. S. *Price Theory and its Uses*. Houghton Mifflin, 1963.

Watson, D. S. *Price Theory in Action: A Book of Readings*. Houghton Mifflin, 1965.

15.103 Economics III

Macro-economic theory and policy including the concept of measurement of national income, static and dynamic aspects of the theory of aggregate output, employment and the price level, inflation theory, aspects of cyclical fluctuations and economic growth, monetary and fiscal policy, and incomes policy with special reference to Australia.

PRELIMINARY READING

Harcourt, G. C., Karmel, P. H., and Wallace, R. H. *Economic Activity*. C.U.P., 1967.

TEXT BOOKS

Ackley, G. *Macroeconomic Theory*. International student Edition, Macmillan, 1961.

Matthews, R. C. O. *The Trade Cycle*. Cambridge U.P., 1960.

Arndt, H. W., and Corden, W. M. (eds.). *The Australian Economy: A Volume of Readings*. Cheshire, 1963.

Perkins, J. O. N. *Anti-cyclical Policy in Australia 1960-1966*. 2nd ed., M.U.P., 1967.

REFERENCE BOOKS

Arndt, H. W. and Harris, C. P. *The Australian Trading Banks*. 3rd ed., Cheshire, 1965.

Bailey, M. J. *National Income and the Price Level*. McGraw-Hill, 1962.

- Davidson, P. and Smolensky, E. *Aggregate Supply and Demand Analysis*. Harper and Row, 1963.
- Dernburg, T. F. and McDougall, D. M. *Macroeconomics*. Rev. ed., McGraw-Hill, 1963.
- Duesenberry, J. S. *Business Cycles and Economic Growth*. Any edition, McGraw-Hill.
- Hagger, A. J. *The Theory of Inflation*. Melbourne U.P., 1964.
- Hansen, A. H. *Business Cycles and National Income*. Norton, 1951.
- Hansen, A. H. *A Guide to Keynes*. McGraw-Hill, 1953.
- Hicks, J. R. *A Contribution to the Theory of the Trade Cycle*. Oxford U.P. 1950.
- Isaac, J. E. and Ford, G. W. (eds.). *Australian Labour Economics: Readings*. Sun Books, 1967.
- Keynes, J. M. *The General Theory of Employment, Interest and Money*. Paperback ed., Macmillan, 1961.

15.302 Economic History I

Modern economic history. Emphasis will be laid upon the Industrial Revolution of the eighteenth century in England and the subsequent spread of industrialization.

PRELIMINARY READING

Gill, R. T. *Economic Development: Past and Present*. McGraw-Hill, 1967.

TEXT BOOKS

- Allen, G. C. *A Short Economic History of Japan*. Unwin Univ. Paperback, 1962.
- Clapham, J. *Economic Development of France and Germany*. Cambridge U.P., 1963.
- Court, W. H. B. *A Concise Economic History of Britain: From 1750 to Recent Times*. Cambridge U.P. Paperback, 1964.
- Deane, P. *The First Industrial Revolution*. Cambridge U.P., 1965.
- Flinn, M. W. *Origins of the Industrial Revolution*. Longmans, 1966.
- Mantoux, P. *The Industrial Revolution in the Eighteenth Century*. Cambridge U.P., Paperback, 1964.
- Supple, B. *The Experience of Economic Growth*. Random House Paperback, 1966.

REFERENCE BOOKS

- Ashworth, W. *An Economic History of England, 1870-1939*. Methuen, 1960.
- Ashworth, W. *A Short History of the International Economy*. Longmans, 1962.
- Ashton, T. S. *An Economic History of England: The 18th Century*. Methuen, 1964.
- Chambers, J. D. and Mingay, G. E. *The Agricultural Revolution 1750-1880*. Batsford, 1966.
- Checkland, S. G. *The Rise of Industrial Society in England*. Longmans, 1964.

- Deane, P., and Cole, W. A. *British Economic Growth, 1688-1959*. Cambridge U.P., 1962.
- Dillard, D. *Economic Development of the North Atlantic Community*. Prentice-Hall, 1967.
- Habbakuk, H. J. and Postan, M. (eds.). *The Cambridge Economic History of Europe, Vol. VI*. Cambridge U.P., 1965.
- Hughes, T. P. (ed.). *The Development of Western Technology since 1500*. Macmillan, 1964.
- Kindleberger, C. D. *Economic Growth in France and Britain*. Harvard U.P., 1964.
- Landes, D. (ed.). *The Rise of Capitalism*. Macmillan, 1966.
- Lockwood, W. W. *The Economic Development of Japan*. Oxford U.P., 1955.
- Moller, H. (ed.). *Population Movements in Modern European History*. Macmillan, 1964.
- Pollard, S. *The Genesis of Modern Management: A Study of the Industrial Revolution in Great Britain*. Edward Arnold, 1964.
- Smith, T. C. *Political Change and Industrial Development in Japan, Government Enterprise, 1868-1900*. Oxford U.P., 1958.
- Stolper, G. *German Economy 1870-1940: Issues and Trends*. Allen & Unwin, 1940.
- Warner, C. K. (ed.). *Agrarian Conditions in Modern European History*. Macmillan, 1966.

15.303 Economic History II

The economic history of Australia.

TEXT BOOKS

- Butlin, N. *Investment in Australian Economic Development, 1861-1900*. Cambridge U.P., 1964.
- Clark, C. M. H. *Sources of Australian History*. World's Classics.
- Fitzpatrick, B. *British Empire in Australia, 1834-1939*. Melbourne U.P., 1949.

REFERENCE BOOKS

- Aitken, H. G. (ed.). *The State and Economic Growth*. N.Y. Social Science Research Council, 1959.
- Barnard, A. *The Australian Wool Market, 1840-1900*. Melbourne U.P., 1958.
- Barnard, A. (ed.). *The Simple Fleece*. Melbourne U.P., 1962.
- Barnard, A. *Visions and Profit*. Melbourne U.P., 1961.
- Butlin, N. G. *Australian Domestic Product, Investment and Foreign Borrowing, 1861-1938/39*. Cambridge U.P., 1962.
- Butlin, S. J. *Foundations of the Australian Monetary System, 1788-1851*. Melbourne U.P., 1953.
- Butlin, S. J. *Australian and New Zealand Bank*. Longmans Green, 1961.
- Butlin, S. J. *War Economy, 1939-42*. Australian War Memorial, 1955.

- Clark, C. M. H. *Select Documents in Australian History*, Vol. I. Angus & Robertson, 1950.
- Clark, C. M. H. *Select Documents in Australian History*, Vol. II. Angus & Robertson, 1955.
- Dunsdorf, E. *The Australian Wheat-Growing Industry*. Melbourne U.P. 1956.
- Fitzpatrick, B. *British Imperialism and Australia, 1788-1833*. Allen & Unwin, 1939.
- Goodwin, C. D. W. *Economic Inquiry in Australia*. Duke U.P., 1966.
- Hunter, A. (ed.). *The Economics of Australian Industry: Studies in Environment and Structure*. Melbourne U.P., 1963.
- Madgwick, R. B. *Immigration into Eastern Australia, 1788-1851*. Longmans, 1937.
- Mills, R. C. *The Colonization of Australia, 1829-42*. Sidgwick and Jackson, 1915.
- O'Brien, E. *The Foundation of Australia*. Angus & Robertson, 1950.
- Roberts, S. H. *History of Australian Land Settlement*. Macmillan-Melbourne U.P., 1924.
- Roberts, S. H. *The Squatting Age in Australia*. Melbourne U.P., 1965.
- Shann, E. *An Economic History of Australia*. Cambridge U.P., 1938.
- Shann, E. and Copland, D. B. *The Battle of the Plans*. Angus & Robertson, 1931.
- Wood, G. L. *Borrowing and Business in Australia*. Oxford U.P., 1930.

15.502 Industrial Relations I

The rules of the workplace, their formulation, enforcement and modification. These rules are framed within three contexts-technical, market or budget, and socio-political. The groups concerned with rule-making develop ideologies to support their rules and institutions. The structure, government, goals and methods of these institutions are studied in some detail.

Industrial relations systems are studied at three levels —the firm, the industry and the nation. Throughout the course emphasis is placed on factors causing changes in a system. Examples will be drawn mainly from the systems of Australia and Britain or the United States.

PRELIMINARY READING

- Ramsay, R. A. *Managers and Men*. Ure Smith, 1966.
- Sutcliffe, J. T. *A History of Trade Unionism in Australia*. Macmillan, 1967.

TEXT BOOKS

- Estey, M. *The Unions: Structure, Development and Management*. Harcourt Brace, 1967.
- Ford, G. W. and Matthews, P. W. D. (eds.). *Trade Unions in Australia*. Sun Books, 1967.
- Isaac, J. E. and Ford, G. W. (eds.). *Australian Labour Relations: Readings*. Sun Books, 1966.
- Walker, K. F. *Australian Industrial Relations Systems*. 2nd ed., Harvard U.P., 1968.

REFERENCE BOOKS

- Dunlop, J. T. *Industrial Relations Systems*. Henry Holt, 1958.
- Kornhauser, A., Dubin, R. and Ross, A. M. (eds.). *Industrial Conflict*. McGraw-Hill, 1954.
- Pen, J. (trans by Preston, T. S.). *Harmony and Conflict in Modern Society*. McGraw-Hill, 1966.
- Allen, V. L. *Militant Trade Unionism*. Merlin Press, 1967.
- Barbash, J. *Structure, Government and Politics of American Unions*. Random House, 1967.
- Isaac, J. E. and Ford, G. W. (eds.). *Australian Labour Economics: Readings*. Sun Books, 1967.
- Bakke, E. W., Kerr, C. and Anrod, C. W. (eds.). *Unions, Management and the Public*. 3rd ed., Harcourt Brace, 1967.
- Lester, R. A. (ed.). *Labour Readings on Major Issues*. Random House, 1965.

15.503 Industrial Relations II

Comparative industrial relations systems, with emphasis on the diversity of ideas, beliefs, institutions, problems and solutions in industrial relations systems in countries with differing economic, social and political systems, and in different stages of development.

One term each will be devoted to the study of (a) systems at the level of the firm and the industry; (b) differing national systems; (c) the process of change in industrial relations.

PRELIMINARY READING

- Kerr, C. *Labour and Management in Industrial Society*. Anchor Books, 1964.
- Flanders, A. *Industrial Relations: What is wrong with the system?* Faber and Faber, 1965.
- Friedland, W. H. *Unions and Industrial Relations in Underdeveloped Countries*. Cornell University, 1963.

TEXT BOOKS

- Sayles, I. R. and Strauss, G. *The Local Union*. Rev. ed., Harcourt, Brace and World, 1967.
- Flanders, A. *The Fawley Productivity Agreements: A Case Study of Management and Collective Bargaining*. Faber and Faber, 1964.
- Flanders, A. *Collective Bargaining: Prescription for Change*. Faber and Faber, 1967.
- Ross, A. M. (ed.). *Industrial Relations and Economic Development*. Macmillan, 1966.

REFERENCE BOOKS

- Blauner, R. *Alienation and Freedom: The Factory Worker and His Industry*. University of Chicago Press, 1964.
- Gouldner, A. W. *Patterns of Industrial Bureaucracy*. Free Press, Glencoe, 1954.
- Lupton, T. *On the Shop Floor: Two Studies of Workshop Organization and Output*. Pergamon, 1963.

- Sulten, P. E. *The Disenchanted Unionist*. Harper and Row, 1963.
- Bonwick, G. J. *Automation on Shipboard*. Macmillan, 1967.
- Burke, J. G. (ed.). *The New Technology and Human Values*. Wadsworth, 1966.
- Fensham, P. J. and Hooper, D. *The Dynamics of a Changing Technology*. Tavistock Publications, 1964.
- Somers, G. G., Cushman, E. L. and Weinberg, N. (eds.). *Adjusting to Technological Change*. Harper and Row, 1963.
- Stieber, J. (ed.). *Employment Problems of Automation and Advanced Technology: An International Perspective*. Macmillan, 1966.
- Barkin, S., Meyers, F. and Kassalow, E. M. (eds.). *International Labor*. Harper and Row, 1967.
- Galenson, W. (ed.). *Labor and Economic Development*. Wiley, 1959.
- Galenson, W. (ed.). *Labor in Developing Countries*. California U.P., 1962.
- Ghosh, S. *Trade Unionism in the Underdeveloped Countries*. Bookland Private, 1960, Calcutta.
- Kerr, G. et. al. *Industrialism and Industrial Man*. 2nd ed., Oxford Galaxie, 1964.
- Millen, B. *The Political Role of Labour in Developing Countries*. Brookings Institution, 1963.
- Roberts, B. C. and L. Grayfie de Bellecombe. *Collective Bargaining in African Countries*. Macmillan, 1967.

DEPARTMENT OF INDUSTRIAL ARTS

21.011 Industrial Arts I

The nature of rigorous and structural design. The elements of creative design — design as aesthetic order — its relationship to perception theory and measurement of aesthetic judgment — the notion of value and value keys in design. The theory and nature of colour perception. A brief treatment. Man-machine relationships as a problem in design — human qualities the nature of work and some important psychological, sociological and economic factors in man-machine relationships. Basic industrial work situations and an analysis of the methods used to classify and describe them. Man-machine relationships as a problem in design — human qualities in opposition to and in co-operation with machines — an introduction to the problems associated with the transfer of information, energy and matter between man and machine.

Laboratory and Studio—The execution of prescribed projects in various media illustrative of the principles of design. The study and practice of the principal techniques used in work measurement.

TEXT BOOKS

- Brown, J. A. C. *Social Psychology of Industry*. Pelican, A296.
- Childe, G. *What Happened in History*. Pelican, A108.
- Currie, R. M. *Work Study*. 2nd ed., Pitman, 1963.
- de Saumarez, M. *Basic Design. The Dynamics of Visual Form*. Studio Vista, 1964.
- Hayward, C. H. *Cabinet Making for Beginners*. Evans, 1963.
- BS. 565. *Glossary of Terms Relating to Timber & Woodwork*. B.S.A. 1963.

REFERENCE BOOKS

- Aronson, J. *Encyclopaedia of Furniture*. Crown, 1945.
 Brochmann, O. *Good and Bad Taste*. Eyre & Spottiswoode, 1955.
 Childe, G. *Man Makes Himself*. 4th ed., Fontana, 1965.
 Dubin, R. *The World of Work*. Prentice-Hall, 1958.
 Durst, A. *Woodcarving*. Studio Publications, 1948.
 Evans, H. T. *The Craft of Woodturning*. The Technical Press, 1960.
 Goodman, W. L. *The History of Woodworking Tools*. Bell & Sons, 1964.
 Haynes, L. M., Zagorski, E. et al. *Design 65*. Industrial Design Council of Australia, Melbourne, 1967.
 I.L.O. *Introduction to Work Study*. I.L.O., 1961.
 Leach, B. H. *A Potter's Book*. Faber, 1955.
 Mumford, L. *Technics & Civilization*. Harcourt, Brace & World. (Harbinger 1934).
 Mumford, L. *Art & Technics*. Columbia U.P. paperback, 1960.
 Norman, E. *Sculpture in Wood*. Studio Publications, 1954.
 Street, A. and Alexander, W. *Metals in the Service of Man*. 4th ed., Pelican, A125.

21.012 Industrial Arts II

The principles of three-dimensional design and design analysis. Introduction to product design — visual fundamentals and visual presentation in two and three dimensions — functional and psychological aspects of product design. The theories of work factor systems, basic motion-time study, motion-time analysis, and methods-time measurement with particular reference to their human significance.

Laboratory and Studio—The execution of three-dimensional projects in various media. Projects in product design. Experimental work and directed observation involving the various methods of work analysis.

TEXT BOOKS

Books marked with an asterisk are for students taking course electives in Ceramics, Design in Wood/Metal, or Work Study. Students should consult Lecturers about these books.

- *Barnes, R. M. *Motion and Time Study*. 5th ed., Wiley, 1963.
 Currie, R. M. *Work Study*. 2nd ed., Pitman, 1963.
 *Leach, B. H. *A Potter's Book*. Faber, 1955.
 Pye, D. *The Nature of Design*. Studio Vista, 1964.
 Read, H. E. *Art and Industry*. Faber, 1956.
 *Untracht, O. *Enameling on Metal*. Greenberg, 1957.
 White, L. *Medieval Technology and Social Change*. Oxford U.P., 1962.

REFERENCE BOOKS

- Andrews, A. I. *Ceramic Tests and Calculations*. Wiley, 1955.
 Baldamus, W. *Efficiency and Effort*. Tavistock, 1961.
 Barnes, R. M. *Motion and Time Study*. 5th ed., Wiley, 1963.

- Bayer, H. and Gropius, W. (eds.). *Bauhaus 1919-1928*. Branford, 1959.
- Blake, P. *Mies van der Rohe: The Architecture of Structure*. Pelican, A606.
- Brochmann, O. *Good and Bad Taste*. Eyre & Spottiswoode, 1955.
- Chapanis, A. *Man-Machine Engineering*. Tavistock, 1965.
- Crossan, R. M. & Nance, H. W. *Master Standard Data*. McGraw-Hill, 1962.
- Glasse, W. C. *The Theory and Practice of Time Study*. Business Publications, 1966.
- Hayward, C. H. *English Period Furniture*. Evans, 1963.
- Howes, C. *Practical Upholstery*. Evans, 1961.
- Kellerman, F. et al (eds.). *Vademecum Ergonomics in Industry*. Philips Technical Library, 1963.
- Leach, B. H. *A Potter's Portfolio*. Lund Humphries, 1951.
- Lockyer, K. G. *An Introduction to Critical Path Analysis*. Pitman, 1964.
- McMeekin, I. J. *Notes for Potters in Australia*. U.N.S.W. Press, 1966.
- Mumford, L. *Technics and Civilization*. Harcourt, Brace & World, (Harcourt Paperback) 1934.
- Murrell, K. E. *Ergonomics — Man in His Working Environment*. Chapman & Hall, 1965.
- Nelson, G. *Problems of Design*. Whitney, 1957.
- Norton, F. H. *Ceramics for the Artist Potter*. Addison-Wesley, 1956.
- Panero, J. *Anatomy for Interior Designers*. Whitney, 1962.
- Pevsner, N. *Pioneers of Modern Design*. Pelican, A497.
- Ryan, T. A. *Work and Effort*. Ronald, 1947.
- Scott, R. G. *Design Fundamentals*. McGraw-Hill, 1951.
- Seymour, W. D. *Industrial Skills*. Pitman, 1966.

21.013 Industrial Arts III

The creative process and the factors influencing it — detailed study of and solutions to the problems associated with product design. The philosophy of comprehensive design and its relationship to work — an integrative overview of the attitudes and viewpoints of the designer and the techniques of analysis, synthesis and evaluation currently used. Industrial organization theory — the principal theories of industrial organization from the eighteenth century to the present day. The nature of management and its various functions and methods of organization in western industrial society.

Laboratory and Studio—The execution of advanced problems in product design in various media — analysis and criticism. Field work in industry involving the analysis and evaluation of methods of industrial organization.

TEXT BOOKS

Books marked with an asterisk are for students taking course electives in Ceramics, Design in Wood/Metal, or Work Study. Students should consult Lecturers about these.

Drucker, P. F. *The Practice of Management*. Heinemann, 1955.

*Leach, B. H. *A Potter's Book*. Faber, 1955.

Mumford, L. *Technics and Civilization*. Harcourt, Brace & World (Harcourt Paperback), 1934.

- *Nadler, G. *Work Design*. Texted., Irwin, 1963.
 Pye, D. *The Nature of Design*. Studio Vista, 1964.
 Sorensen, C. E. *My Forty Years with Ford*. Collier, 1962.

REFERENCE BOOKS

- Abruzzi, A. *Work, Workers & Work Measurement*. Columbia U.P., 1956.
 Bendix, R. *Work and Authority in Industry*. Harper & Row, 1963.
 B.S.3893. *Specifications for Office Desks, Tables and Seating*. B.S.A., 1965.
 BS. 3030, Part 5. *School Furniture — Pupils Dining Tables and Chairs*. B.S.A., 1960.
 BS. 1960, Part 1. *Domestic Furniture*. B.S.A., 1953.
 Buttrey, D. N. *Plastics in the Furniture Industry*. Macdonald, 1964.
 Caplow, T. *The Sociology of Work*. McGraw-Hill, 1954.
 Cottrell, F. *Energy and Society*. McGraw-Hill, 1955.
 Foyster, J. R. *Modern Woodworking Machine Practice*. Business Publications, 1963.
 Friedmann, G. *The Anatomy of Work*. Free Press, 1961.
 Friedmann, G. *Industrial Society*. Free Press, 1955.
 Honey, W. B. *English Pottery and Porcelain*. Black, 1949.
 Honey, W. B. *The Ceramic Art of China and Other Countries in the Far East*. Faber, 1954.
 Howes, C. *Practical Upholstery*. Evans, 1961.
 Letsky, B. M. *A Practical Manual of Industrial Finishes*. Chapman & Hall, 1960.
 McMeekin, I. J. *Notes for Potters in Australia*. U.N.S.W. Press, 1966.
 Miller, D. C. and Form, W. H. *Industrial Sociology*. 2nd ed., Harper or Weatherhill, 1964.
 Nelson, G. *Problems of Design*. Whitney, 1957.
 Norton, F. H. *The Elements of Ceramics*. Addison-Wesley, 1952.
 Panero, J. *Anatomy for Interior Designers*. 3rd ed., Whitney, 1962.
 Parmelee, C. W. *Ceramic Glazes*. Industrial Publications, 1951.
 Pevsner, N. *Pioneers of Modern Design*. Pelican, A497.
 Ritter, P. *Educreation*. Pergamon, 1966.
 Scott, R. G. *Design Fundamentals*. McGraw-Hill, 1951.
 Walker, C. R. *Modern Technology and Civilization*. McGraw-Hill, 1962.
 Wykes-Joyce, M. *7000 Years of Pottery and Porcelain*. Peter Owen, 1958.

21.111 Education I

Two strands: (a) Fundamental theories of education. (b) A social history of education from the nineteenth century.

The theory of education will be concerned with questions relating to the fundamental purposes of education with implications of certain distinctive and influential ideas; the development of these concepts will be traced by reference to the contributions of certain outstanding educational thinkers from Plato to the twentieth century. These ideas will be related to the function of education in an age of crisis. Topics covered will include

classical idealism and Christian thought — Renaissance humanism — sense realism and the ideal of universal education — the disciplinary view of education — the rise of naturalism — the psychological trend — the scientific emphasis — contemporary theories of education (conservative theories, supernaturalist theories, progressive theories, education and the planned society, the ideal of individual development).

The social history of education from the nineteenth century to the present day will be centred on the development of education in Great Britain and the significance of this for the growth of educational ideas and systems in Australia and America.

TEXT BOOKS

Armitage, W. H. G. *400 Years of English Education*. Cambridge U.P., 1964.

Barcan, A. *A Short History of Education in N.S.W.* Martindale, 1965.

Castle, E. G. *Ancient Education and Today*. Pelican, A511.

Curtis, S. J. and Boulwood, M. E. A. *A Short History of Educational Ideas*. U.T.P., 1961.

Jarman, T. L. *Landmarks in the History of Education*. Murray, 1963.

Lester-Smith, W. O. *Education*. Pelican, A380.

REFERENCE BOOKS

Austin, A. G. *Australian Education 1788-1900*. Pitman, 1961.

Broudy, H. S. *Building a Philosophy of Education*. Prentice-Hall, 1961.

Brubacher, J. S. *A History of the Problems of Education*. McGraw-Hill, 1947.

Buber, M. *Between Man and Man*. Keegan-Paul, 1947.

Butts, R. F. *A Cultural History of Western Education*. McGraw-Hill, 1955.

Butts, R. F. and Cremin, L. A. *A History of Education in American Culture*. Holt, 1959.

Cole, L. *A History of Education*. Rinehart, 1956.

Crane, A. R. and Walker, W. G. *Peter Board*. A.C.E.R., 1957.

Cubberley, E. P. *A History of Education*. Constable, 1920.

Cunningham, W. F. *The Pivotal Problems of Education*. Macmillan, 1957.

Curtis, S. J. *An Introduction to the Philosophy of Education*. U.T.P., 1958.

Curtis, S. J. and Coultwood, M. E. A. *An Introductory History of English Education since 1800*. U.T.P., 1962.

Dewey, J. *Democracy and Education*. Macmillan (Free Press Paperback), 1966.

Fisher, R. T. *Great Educational Thinkers (Readings)*. W. C. Brown, 1961.

Griffiths, D. C. (ed.). *Documents on the Establishment of Education in N.S.W., 1789-1880*. A.C.E.R., 1957.

Jeffreys, M. V. C. *Glaucon*. Pitman, 1964.

Locke, J. *Some Thoughts Concerning Education* — *Harvard Classics*. Collier, 1909.

Maritain, J. *Education at the Crossroads*. Yale U.P., 1962.

Marrou, H. I. *A History of Education in Antiquity*. Sheed & Ward, 1956.

Nunn, P. *Education: Its Data and First Principles*. Arnold, 1926.

- O'Connor, D. J. *An Introduction to the Philosophy of Education*. Routledge & Keegan-Paul, 1957.
- Price, K. *Education and Philosophical Thought*. Allyn & Bacon, 1962.
- Rousseau. *Emile*. Aldine Press, 1963.
- Rusk, R. R. *The Philosophic Bases of Education*. H. M. Co., 1958.
- Russell, B. *A History of Western Philosophy*. Allen & Unwin, 1948.
- Ulich, R. *A History of Educational Thought*. American Book Co., 1945.
- Wilds, E. H. and Lottich, K. V. *Foundations of Modern Education*. Holt, Rinehart and Winston, 1964.

21.112 Education II

Two strands: (a) Theories of the curriculum and curriculum development. (b) The sociology of education.

Theories of the curriculum will follow on from the fundamental theories of education discussed in Education I. The elements of this section of the course will include theories of the curriculum, the approach to curriculum construction, criteria for subject-matter selection, patterns of curriculum organizations, research and the curriculum.

The sociology of education—the nature of the field—theoretical orientation (ideological theory, role theory, basic sociological models)—the school as a social system (societal function—roles of teachers—social class and teaching—the pupil population—some general problems of teachers in society)—the family (structure, parent-child relationships—parental roles and behaviours—general stimulation of the Australian home)—the peer group—cultural objects.

Sociology of Education

REFERENCE BOOKS

- Bredemeier, H. C. and Stephenson, R. M. *The Analysis of Social Systems*. Holt, Rinehart & Winston, 1962.
- Brookover, W. B. *A Sociology of Education*. American Book Co., 1955.
- Clarke, F. *Freedom in the Educative Society*. London U.P., 1948.
- Connell, W. F. et al. *The Foundations of Education*. Novak, 1962.
- Connell, W. F. et al. *Growing up in an Australian City*. A.C.E.R., 1959.
- Connell, W. F. *The Foundations of Secondary Education*. A.C.E.R., 1962.
- Connell, W. F. (ed.). *Readings in the Foundations of Education*. Novak, 1966.
- Campbell, W. *Growing up in Karribee*. A.C.E.R., 1962.
- Cowan, R. W. T. (ed.). *Education for Australians*. Cheshire, 1964.
- Davies, A. F. and Encel, S. (eds.). *Australian Society*. Cheshire, 1965.
- Davis, A. *Social Class Influences upon Learning*. Harvard U.P., 1958.
- Durkheim, E. *Education and Sociology*. Free Press, 1956.
- Edgar, E. E. *Social Foundations of Education*. Centre for Applied Research in Education, 1965.
- Havighurst, R. J. and Neugarten, B. L. *Society and Education*. 2nd ed., Allyn & Bacon, 1962.
- Mannheim, K. and Stewart, W. A. C. *An Introduction to the Sociology of Education*. Routledge & Keegan-Paul, 1962.

- Merton, R. R. *Social Theory and Social Structure*. revised ed., Free Press, 1959.
- Musgrave, P. W. *The Sociology of Education*. Methuen, 1965.
- Musgrove, F. *Youth and the Social Order*. Routledge & Keegan-Paul, 1964.
- Musgrove, F. *The Family Education and Society*. Routledge & Keegan-Paul, 1966.
- Oeser, O. A. *Teacher, Pupil and Task*. Tavistock, 1960.
- Ottaway, A. K. C. *Education and Society*. 2nd ed., Routledge & Keegan-Paul, 1962.
- Partridge, P. H. et. al. *Teachers in Australia*. Cheshire, 1966.
- Stanley, W. O. et. al. *Social Foundations of Education*. Holt Dryden, 1956.
- Waller, W. *The Sociology of Teaching*. Wiley (Science Ed. Paperback), 1965.

Curriculum Theory and Development

TEXT BOOKS

- Taba, H. *Curriculum Development — Theory and Practice*. Harcourt, Brace & World, 1962.
- Wyndham, H. S. et. al. *Report on Secondary Education in N.S.W. (The Wyndham Report)*. N.S.W. Govt. Printer, 1957.

REFERENCE BOOKS

- Alberty, H. B. & Alberty, E. J. *Reorganising the High School Curriculum*, 3rd ed., Macmillan, 1962.
- Bloom, B. S. et. al. *Taxonomy of Educational Objectives Hand Book I: Cognitive Domain*. Longmanns Green, 1956.
- Dewey, J. *The Child and the Curriculum, and the School and Society*. Phoenix, 1956.
- Faunce, R. C. and Bossing, N. L. *Developing the Core Curriculum*. 2nd ed., Macmillan, 1960.
- King, A. R. and Brownfell, J. A. *The Curriculum and the Disciplines of Knowledge*. Wiley, 1966.
- Krathwohl, D. R. et al. *Taxonomy of Educational Objectives Hand Book II: Affective Domain*. Longmanns Green, 1964.
- Smith, B. O. et al. *Fundamentals of Curriculum Development*. Revised ed., Harcourt, Brace & World, 1957.
- Tyler, R. W. *Basic Principles of Curriculum and Instruction*. U. of Chicago Press, 1950.

21.201 Freehand Drawing

Teaches the student to see and draw objects as they are, to perceive the structure of natural forms, and to appreciate the causes behind their formation. The practical work in various media, pencil, pen, brush and charcoal, is intended also to develop the ability to express ideas in a visual way. This can later form a basis for the execution of projects in industrial design.

Subjects include: drawing of single objects and groups of objects, figure drawing, drawing from memory, and quick sketching; depiction by line and by light and shade; the principles of free perspective drawing.

REFERENCE BOOKS

- Brochmann, O. *Good and Bad Taste*. Eyre & Spottiswoode, 1955.
 Feninger, A. *Forms of Nature and Life*. Viking, 1966.
 Gardner, H. *Art through the Ages*. Harcourt, Brace & World, 1959.
 Gombrich, E. H. J. *The Story of Art*. Phaidon, 1966.
 Kepes, G. *The New Landscape of Art and Science*. Theobald, 1956.
 Moholy Nagy, L. *Vision in Motion*. Theobald, 1947.
 Scott, R. G. *Design Fundamentals*. McGraw-Hill, 1951.
 Sneum, G. *Teaching Design and Form*. Batsford, 1965.
 Thompson, D. W. *On Growth and Form*. Cambridge U.P., 1952.

21.211 Drawing and Design

Advanced problems in engineering or architectural drawing and design. Assignments to be carried out in the studio, but tutorials will be given where necessary.

TEXT BOOK

- Rule, J. T. and Coons, S. A. *Graphics*. McGraw-Hill, 1961.

REFERENCE BOOKS

- Abbott, W. *Practical Geometry and Engineering Graphics*. Blackie, 1956.
 Doblin, J. *Perspective: A New System for Designers*. Whitney, 1956.
 Doughtie, J. L. and Vallance, A. *Design of Machine Members*. McGraw-Hill, 1964.
 Eder, W. E. and Gosling, W. *Mechanical System Design*. Pergamon, 1965.
 Ham, M. E. et al. *Mechanics of Machinery*. McGraw-Hill, 1958.
 Levens, A. S. *Graphics in Engineering and Science*. Wiley, 1954.
 Scott, R. G. *Design Fundamentals*. McGraw-Hill, 1951.

21.801, 21.802, 21.803 Educational Practice

Undertaken in an approved institution.

21.901 Tutorial. 21.902 Seminar. 21.903 Project.

Graduate Subjects

21.501G Industrial Design

Will emphasize the main functions, skills and responsibilities of the designer for industry, and give a broad view of design in an industrial society, an aesthetic conviction and sensibility and the skills and methods

required for the practice of industrial design. Parts of the subjects will be taken jointly by students of product design and communication design; other sections will provide for specialization.

Historical social and aesthetic bases of industrial design.

Design Methodology.

Signs, Symbols and Communication.

Colour Theory.

Professional, Commercial and Industrial Practice.

Design Media.

*Environmental Studies.**

Visual Communications.†

21.511G Design Projects

Throughout the course the students will be involved in a continuous series of design exercises and projects, graduated in scale and difficulty and with varying emphasis on particular aspects of design technology.

These projects form the central part of the course. The subjects chosen will relate to the current lecture or case study programmes, so that theory and practice can be integrated. The design projects provide an experience in which technology, design method, aesthetics and social need are synthesized and in which interrelationship must be sought and inconsistencies resolved. The student is brought to face problems involving judgment, choice and decision, some of which can be based on objective, analytical study, whilst others will be more subjective, intuitive and emotive.

The projects will be supervised by the academic staff of the Department with assistance from an appropriate practising designer and, when necessary, academic staff from other sections of the University. Tutorials as well as discussions with individual students will arise from the projects, especially during the design development phase. Opportunity will be given for the student to act as a member of a design team.

At the commencement of each design project the students will be briefed in detail as to the intention, and object of the exercise; this brief will also include basic information, controlling factors, a time schedule and requirements for presentation.

26.521G Seminar

In general, seminars will be devoted to design theory and philosophy and to the presentation by students of papers on design problems. Seminars will be closely integrated with the other sections of the course work. From time to time, such matters as general design problems, current issues in design, unusual design problems and addresses by visiting designers, will also constitute the topics of seminars.

* To be taken by product design students only.

† To be taken by communication design students only.

SCHOOL OF HISTORY

51.111 History I — Europe: 1700-1945.

Surveys the chief events in European history from the beginning of the eighteenth century to the second World War, with emphasis on the theory and practice of the major ideologies.

TEXT BOOKS

Anderson, M. S. *Europe in the Eighteenth Century: 1713-1783*. Longmans, 1963.

Rude, G. *Revolutionary Europe: 1783-1815*. Fontana Paperback, 1964.

Thomson, D. *Europe Since Napoleon*. Pelican, 1966.

Rowen, H. H. (ed.). *From Absolutism to Revolution: 1648-1848*. Macmillan, 1964.

Kohn, H. (ed.). *The Modern World: 1848 to the Present*. Macmillan, 1964.

Craig, G. A. *Europe Since 1914*. Holt, Rinehart and Winston, 1966.

REFERENCE BOOKS

(a) General

Carr, E. H. *What is History?* Pelican, 1964.

The New Cambridge Modern History. Vols. VII-XII.

Heaton, H. *Economic History of Europe*. Harper, 1948.

(b) Special Aspects

Pinson, K. *Modern Germany*. Macmillan, 1961.

Seton-Watson, H. *The Decline of Imperial Russia*. University Paperback, 1964.

Smith, D. Mack. *Italy: A Modern History*. Michigan U.P., 1959.

Cobban, A. *A History of Modern France*. 3 vols. Penguin, 1957+.

(c) Biographies

Markham, F. M. H. *Napoleon and the Awakening of Europe*. Teach Yourself Library, 1958.

Taylor, A. J. P. *Bismarck*. Grey Arrow Paperback, 1961.

Silone, I. *Mazzini*. Cassell's Living Thoughts Library, 1946.

Berlin, I. *Karl Marx*. Home University Library, 1956.

Feiling, K. G. *The Life of Neville Chamberlain*. Macmillan, 1946.

Deutscher, I. *Stalin: A Political Biography*. Oxford U.P. Paperback, 1949.

Bullock, A. *Hitler: A Study in Tyranny*. Pelican, 1962.

Kirkpatrick, I. *Mussolini: Study of a Demagogue*. Odhams, 1964.

SCHOOL OF PHILOSOPHY

52.111 Philosophy I

The course divides into three parts: 1. A study of some Dialogues of Plato, with special reference to problems of knowledge, reality, virtue and the immortality of the soul. 2. The search for certainty in Descartes, Locke, Berkeley, Russell, Moore, Ayer and Austin, with special reference to the theory of knowledge and to religious belief. 3. An investigation of the structure of arguments, formal and informal, and of the foundations of scientific knowledge.

RECOMMENDED FOR PRELIMINARY READING

Russell, B. *The Problems of Philosophy*. Oxford H.U.L.

Popkin, R. H. and A. Stroll. *Philosophy Made Simple*. Made Simple Books.

TEXT BOOKS

Ayer. *Philosophical Essays*. Macmillan.

Ayer. *The Concept of a Person*. Macmillan.

Guthrie (trans.). *Plato: Protagoras and Meno*. Penguin Classics.

Hamblin, C. L. *Elementary Formal Logic — A Programmed Course*.
Hicks Smith and University Paperbacks.

Hospers, J. *Introduction to Philosophical Analysis*. 2nd ed., 1967. Prentice Hall.

Hume, David (Flew, A., ed.). *On Human Nature and the Understanding*. Collier.

Tredennick (trans.). *Plato: The Last Days of Socrates*. Penguin Classics.

REFERENCE BOOKS

Adkins, A. S. H. *Merit and Responsibility*. Oxford.

Burnet, J. *Greek Philosophy*. Macmillan.

Copi, I. M. *Introduction to Logic*. Collier-Macmillan.

Crombie, I. M. *An Examination of Plato's Doctrines*. Routledge and Kegan Paul.

Cross and Woosley. *Plato's Republic*. Macmillan.

Robinson, R. *Plato's Earlier Dialectic*. Oxford.

Ross, W. D. *Plato's Theory of Ideas*. Oxford.

Russell, B. *Problems of Philosophy*. Oxford H.U.L.

Scriven, M. *Primary Philosophy*. McGraw-Hill.

Sesonske and Fleming (eds.). *Human Understanding*. Wadsworth.

Taylor, A. E. *Plato*. Methuen.

SCHOOL OF SOCIOLOGY

53.111 Sociology I

There will be three sections of the course:

Part A: The Scope and Content of Sociology — An introduction to the subject matter of sociology. Concepts and methods of social analysis. Theories of society.

PRELIMINARY READING

Fyvel, T. R. (ed.). *The Frontiers of Sociology*. Cohen & West, 1964.

Merton, R. K., Broom, L., and Cottrell, L. S. (eds.). *Sociology Today*. Basic Books, 1959.

TEXT BOOKS

Berger, P. L. *Invitation to Sociology*. Penguin, 1963.

Cotgrove, S. *The Science of Society*. Allen & Unwin, 1967.

MacKenzie, N. (ed.). *A Guide to the Social Sciences*. Weidenfeld & Nicolson, 1966.

REFERENCE BOOKS

- Bottomore, T. B. *Sociology*. Unwin University Books, 1962.
 Bredemeier, H. C. and Stephenson, R. M. *The Analysis of Social Systems*. Holt, Rinehart & Winston, 1962.
 Firth, R. *Elements of Social Organization*. 3rd ed., Watts, 1961.
 Homans, G. C. *The Human Group*. Harcourt, Brace & World, 1950.
 Johnson, H. M. *Sociology: A Systematic Introduction*. Harcourt, Brace & World, 1960.
 McIver, R. M. and Page, C. H. *Society*. Macmillan, 1950.
 Mayer, K. B. *Class and Society*. Random House, 1955.
 Olmsted, M. S. *The Small Group*. Random House, 1959.
Part B: Methods of Social Research

An introduction to the problems of social research design and the practical techniques developed by social scientists.

PRELIMINARY READING

- Huff, D. *How to Lie with Statistics*. Gollancz, 1954.
 Lerner, D. (ed.). *The Human Meaning of the Social Sciences*. Meridian Books, 1959.

TEXT BOOKS

- Elzey, F. E. *A First Reader in Statistics*. Wadsworth Publishing Co., 1957.
 Madge, J. *The Tools of Social Science*. Longmans, 1953.

REFERENCE BOOKS

- Ackoff, R. L. *The Design of Social Research*. University of Chicago, 1953.
 Abrams, M. *Social Surveys and Social Action*. Heinemann, 1951.
 Backstrom, C. and Hursh, G. D. *Survey Research*. Northwestern University, 1963.
 Bartlett, F. C. et al. *The Study of Society*. Kegan Paul, 1946.
 Hyman, H. H. *Survey Design and Analysis*. Free Press, 1960.
 Kuhn, A. *The Study of Society*. Social Science Paperbacks, 1966.
 Madge, C. and Harrisson, T. *Britain by Mass-Observation*. Penguin, 1939.
 Moser, C. A. *Survey Methods in Social Investigation*. Heinemann, 1958.
 Parten, M. *Surveys, Polls and Samples: Practical Procedures*. Harper, 1950.
 Payne, S. L. *The Art of Asking Questions*. Princeton University, 1954.
 Stephan, F., McCarthy, J. and P. J. *Sampling Opinions*. Wiley, 1963.
 Young, P. V. *Scientific Social Surveys and Research*. Prentice-Hall, 1949.
Part C: The Social Structure of Contemporary Australia

Social trends since 1939, in the light of economic, demographic, cultural and political changes. The study of major institutional trends and their relation to society as a whole, with reference to comparative material wherever possible.

PRELIMINARY READING

- Hancock, W. K. *Australia*. Jacaranda, 1962.
 Coleman, P. (ed.). *Australian Civilization*. Cheshire, 1962.
 Horne, D. *The Lucky Country*. Penguin, 1964.

TEXT BOOKS

- Davies, A. F. and Encel, S. (eds.). *Australian Society*. Cheshire, 1965.
 Karmel, P. H. and Brunt, M. *The Structure of the Australian Economy*. Cheshire, 1962.
 Mayer, H. (ed.). *Australian Politics*. Cheshire, 1966.
 Shaw, A. G. L. *The Story of Australia*. Faber, 1962.

REFERENCE BOOKS

- Appleyard, R. T. *British Emigration to Australia*. A.N.U., 1964.
 Aughterson, W. V. (ed.). *Taking Stock*. Cheshire, 1953.
 Blishen, B. et al. *Canadian Society*. Free Press, 1961.
 Borrie, W. D. *Australia*. (UNESCO series on immigrants), 1955.
 Caiger, G. (ed.). *The Australian Way of Life*. Heinemann, 1953.
 Campbell, W. J. *Television and the Australian Adolescent*. Angus and Robertson, 1962.
 Clark, C. M. H. *A Short History of Australia*. Mentor, 1964.
 Clark, C. M. H. *Sources of Australian History*. O.U.P., 1957.
 Congalton, A. A. *Occupational Status in Australia*. Sydney, 1963.
 Connell, W. F. et al. *Growing up in an Australian City*. A.C.E.R., 1957.
 Cowan, R. W. T. (ed.). *Education for Australians*. Cheshire, 1964.
 Crawford, R. M. *Australia*. Hutchinson, 1960.
 Davies, A. F. *Images of Class*. Sydney U.P., 1966.
 Elkin, A. P. (ed.). *Marriage and the Family in Australia*. Angus & Robertson, 1957.
 Grattan, C. H. (ed.). *Australia*. California U.P., 1947.
 Grattan, C. H. *The Southwest Pacific Since 1900*. Michigan U.P., 1963.
 Greenwood, G. (ed.). *Australia. A Social and Political History*. Angus & Robertson, 1955.
 Hall, H. L. *Australia and England*. Longmans & Green, 1934.
 Jupp, J. *Arrivals and Departures*. Cheshire, 1966.
 Kewley, T. H. *Social Security in Australia*. Sydney U.P., 1965.
 Lipset, S. M. *The First New Nation*. Heinemann, 1964.
 McGregor, C. *Profile of Australia*. Hodder & Stoughton, 1966.
 MacKenzie, N. *Women in Australia*. Cheshire, 1962.
 McKeown, P. J. and Hone, B. W. *The Independent School*. O.U.P., 1967.
 McLeod, A. L. (ed.). *The Pattern of Australian Culture*. Cornell U.P., 1963.
 Martin, J. *Refugee Settlers*. Canberra, A.N.U., 1965.
 Mayer, H. (ed.). *Catholics and the Free Society*. Cheshire, 1961.
 Mayer, H. *The Press in Australia*. Cheshire, 1964.
 Power, J. *Politics in Suburbia*. Sydney U.P., 1967.
 Price, C. A. *Southern Europeans in Australia*. A.N.U. 1965.
 Pringle, J. D. *Australian Accent*. Chatto & Windus, 1958.

- Rose, A. M. (ed.). *The Institutions of Advanced Societies*. Minnesota U.P., 1958.
- Scott, D. and U'Ren, R. *Leisure*. Cheshire, 1962.
- Stoller, A. (ed.). *New Faces*. Cheshire, 1966.
- Stubbs, P. *The Hidden People*. Cheshire, 1966.
- Taft, R. *From Stranger to Citizen*. W.A.U.P., 1965, Perth.
- Ward, R. *The Australian Legend*. Angus & Robertson, 1958.
- Wheelwright, E. L. (ed.). *Higher Education in Australia*. Cheshire, 1965.
- Williams, R. M. *American Society*. Knopf, 1960.

53.112 Sociology II

There will be two sections of the course:

Part A: Methods of Social Research

A detailed study of design in social research, with particular emphasis on the scientific basis of sampling. Field work and the use of different techniques in social research. Descriptive and inductive statistics.

PRELIMINARY READING

Wilson, E. B. *An Introduction to Scientific Research*. McGraw-Hill, 1952.

TEXT BOOKS

- Doby, J. T. (ed.). *An Introduction to Sociological Research*. 2nd ed., Appleton-Century Crofts, 1967. OR
- Goode, W. J. and Hatt, P. K. *Methods in Social Research*. McGraw-Hill, 1952.
- Madge, J. *The Origins of Scientific Sociology*. Tavistock, 1963.
- Junker, B. H. *Field Work*. Univ. of Chicago, 1960.
- Runyon, R. P. and Haber, A. *Fundamentals of Behavioral Statistics*. Addison-Wesley, 1967.

REFERENCE BOOKS

- Ackoff, R. L. *The Design of Social Research*. Univ. of Chicago, 1953.
- Berelson, B. *Content Analysis in Communications Research*. Free Press, 1952.
- Blalock, H. M. *Social Statistics*. McGraw-Hill, 1960.
- Conway, F. *Sampling, an Introduction for Social Scientists*. Allen & Unwin, 1967.
- Festinger, L. and Katz, D. (eds.). *Research Methods in the Behavioural Sciences*. Dryden Press, 1953.
- George, A. L. *Propaganda Analysis: A Study of Inferences made from Nazi Propaganda in World War II*. Row, Peterson, 1959.
- Gibson, Q. *The Logic of Social Enquiry*. Routledge, Kegan Paul, 1960.
- Hodges, J. L. and Lehmann, E. L. *Basic Concepts of Probability and Statistics*. Feffer & Simons Internat. Univ. Ed., Holden-Day, 1964.
- Hyman, H. H. *Survey Design and Analysis*. Free Press, 1960.
- Kalton, G. G. *Introduction to Statistical Ideas for Social Scientists*. Chapman & Hall, 1966.

- Kish, L. *Survey Sampling*. Wiley, 1966.
- Moroney, M. J. *Facts from Figures*. 3rd ed., Penguin, 1956.
- Moser, C. A. *Survey Methods in Social Investigation*. Heinemann, 1958.
- North, R. C., Ole, R., Holsti, M., Zaninovich, G., Zinnes, D. A. *Content Analysis*. Northwestern University, 1963.
- Osgood, C. E. *The Measurement of Meaning*. Univ. of Illinois, 1957.
- Parten, M. *Surveys, Polls and Samples: Practical Procedures*. Harper, 1950.
- Payne, S. L. *The Art of Asking Questions*. Princeton U.P., 1954.
- Selltiz, C., et al. *Research Methods in Social Relations*. Tavistock, 1966.
- Siegal, S. *Non-Parametric Statistics for the Behavioral Sciences*. McGraw-Hill, 1956.
- Stephan, F. J. and McCarthy, P. J. *Sampling Opinions*. Wiley, 1963.
- Wallis, W. A. and Roberts, H. V. *Statistics — A New Approach*. Free Press, 1956.
- Wilson, E. B. *An Introduction to Scientific Research*. McGraw-Hill, 1952.
- Young, P. V. *Scientific Social Surveys and Research*. Prentice-Hall, 1949.
- Part B*: Students may select, subject to approval, two course-units drawn from a variety of fields, not all of which may be available in any one year. These include the following: Comparative Sociology; Criminology; Small Groups; Social Change in Papua-New Guinea; Social Policy; Social Stratification A and B; Social Structure and Personality; Sociology of Medicine; Sociology of Religion; Urban Sociology.

1. COMPARATIVE SOCIOLOGY

A study of national communities and their social structure. Common and disparate elements in modern industrial societies. Special emphasis will be placed on questions such as economic structure, the nature of social stratification, the social framework of education, political characteristics, and the place of ethnic minorities. The concept of "national character" and its historical perspective. In 1968, three countries will be examined: Britain, France, and the United States of America.

TEXT BOOKS

- Blondel, J. *Voters, Parties and Leaders*. Penguin, 1963.
- Cairns, J. *France*. Prentice-Hall, 1965.
- Frankenberg, R. *Communities in Britain*. Penguin, 1966.
- Marsh, R. M. *Comparative Sociology*. Harcourt, Brace & World, 1966.
- Sampson, A. *Anatomy of Britain Today*. Hodder & Stoughton, 1965.
- Williams, R. M. *American Society*. Knopf, 1951.

REFERENCE BOOKS

(a) Britain

- Bailhache, J. (translated A. Neame). *Great Britain*. Paperback Ed., Vista, 1961.
- Bott, E. *Family and Social Network*. Tavistock, 1957.
- Cole, G. D. H. *Studies in Class Structure*. Routledge, 1955.
- Glass, D. V. (ed.). *Social Mobility in Britain*. Routledge, 1963.
- Gorer, G. *Exploring English Character*. Cresset, 1955.

- Graves, R. and Hodge. *The Long Weekend — a Social History of Britain, 1918-1939*. Fair Square, 1961.
- Hall, S. and Whannel, P. *The Popular Arts*. Hutchinson, 1964.
- Harrison, T. *Britain Revisited*. Gollancz, 1961.
- Hoggart, R. *The Uses of Literacy*. Penguin, 1958.
- Jackson, B. and Marsden, D. *Education and the Working Class*. Routledge 1962.
- Marsh, D. C. *The Changing Social Structure of England and Wales 1871-1961*. Routledge, 1965.
- Marshall, T. H. *Citizenship and Social Class*. Cambridge U.P., 1950.
- Martin, Kingsley. *The Crown and the Establishment*. Penguin, 1965.
- Shanks, M. and Lambert, J. *Britain and the New Europe*. Chatto & Windus, 1962.
- Thomas, H. (ed.). *The Establishment*. Paperback Ed., Ace, 1962.
- Thomson, D. *England in the Twentieth Century*. Penguin, 1965.
- Welford, A. T. et al. *Society: Problems and Methods of Study*. Routledge, 1962.
- Williams, R. *Culture and Society*. Penguin, 1961.
- Williams, R. *The Long Revolution*. Penguin, 1965.
- Willmott, P. and Young, M. *Family and Class in a London Suburb*. Routledge, 1962.
- Young, M. *The Rise of the Meritocracy*. Penguin, 1959.
- Youngson, A. J. *The British Economy 1920-1957*. Allen & Unwin, 1960.
- Zweig, F. *The Worker in an Affluent Society*. Heinemann, 1962.
- (b) *France*
- Aron, R. *France—Steadfast and Changing*. Harvard U.P., 1960.
- Baum, W. *The French Economy and the State*. Princeton U.P., 1958.
- Earle, E. M. (ed.). *Modern France*. Princeton U.P., 1950.
- Fourastie, J. and Laleuf, A. *Revolution a l'Ouest*. Tres Univ. de France, 1957.
- Fraser, W. R. *Education and Society in Modern France*. Routledge, 1965.
- Hadrill, J. W. and McManners, J. (eds.). *France: Government and Society*. Methuen, 1957.
- Hoffmann, S. et al. *In Search of France*. Harvard U.P., 1963.
- Mendes-France, P. *A Modern French Republic*. Weidenfeld & Nicolson, 1963.
- Metrause, R. and Mead, M. *Themes in French Culture*. Stanford U.P., 1954.
- Natanson, J. *La Révolution Scolaire*. Editions Cuvrières, 1963.
- Pickles, D. M. *The Fifth Republic*. Methuen, 1965.
- Thomson, D. *Democracy in France*. 4th ed., O.U.P., 1962.
- Wylie, L. *Village in the Vaucluse*. Harvard U.P., 1957.
- (c) *U.S.A.*
- Callahan, R. *Education and the Cult of Efficiency*. Chicago U.P., 1962.
- Christenson, H. *Handbook of Marriage and the Family*. Rand McNally, 1964.

- Coleman, J. *The Adolescent Society*. Free Press, 1961.
- Eisenstadt, S. *From Generation to Generation*. Free Press, 1956.
- Faris, R. E. L. *Handbook of Modern Sociology*. Rand McNally, 1964.
- Ginsberg, E. *Values and Ideals of American Youth*. Columbia U.P., 1961.
- Halsey, A., Floud, J. and Anderson, C. *Education, Economy, and Society*. Free Press, 1961.
- Jacobs, N. *Culture for the Millions?* Van Nostrand, 1961.
- Kluckhohn, F. and Strodtbeck, F. *Variations in Value Orientations*. Row, Peterson, 1961.
- Meltzer, B., Doby, H. and Smith, P. *Education in Society*. Crowell, 1958.
- Moore, W. *Man, Time, and Society*. Wiley, 1963.
- Natan, A. *Sport and Society*. Bowes and Bowes, 1958.
- Parsons, T. and Bales, R. *Family, Socialization, and Interaction Process*. Free Press, 1955.
- Simpson, G. and Yinger, J. *Racial and Cultural Minorities*. Rev. ed., Harper, 1958.
- Smelser, N. *The Sociology of Economic Life*. Prentice-Hall, 1963.
- Spiro, M. E. *Children of the Kibbutz*. Harvard U.P., 1958.
- Tumin, M. *Inventory and Appraisal of Research on American Anti-Semitism*. Freedom Books, 1961.
- van den Berghe, P. *Race and Racism*. Wiley, 1967.
- Williams, R. *Strangers Next Door*. Prentice-Hall, 1964.

2. CRIMINOLOGY

The study of crime and delinquency. Theories about the causes of crime. The collection of crime statistics. Crime, the community, and the law. Penological principles and the development of correctional treatment.

TEXT BOOKS

- Mannheim, H. *Comparative Criminology*. Routledge & Kegan Paul, 1966.
- Sutherland, E. and Cressey, D. *Principles of Criminology*. Lippincott, 1966.

REFERENCE BOOKS

- Ancel, M. *Social Defence — A Modern Approach to Criminal Problems*. Routledge & Kegan Paul, 1965.
- Burt, C. *The Young Delinquent*. London U.P.
- Black and Geis. *Man, Crime and Society*. Random House, 1962.
- Clemmer, D. *The Prison Community*. Christopher Pub. Co., 1940, Boston.
- Cohen, A. *Delinquent Boys*. Routledge, 1956.
- Coser, L. *The Functions of Social Conflict*. Routledge, 1956.
- Durkheim, E. *Suicide*. Routledge, 1952.
- Gibbens, T. C. N. *Trends in Juvenile Delinquency*. W.H.O., 1961.
- Glueck, S. and E. *Predicting Delinquency and Crime*. Harvard, U.P., 1959.
- Glueck, S. (ed.). *The Problem of Delinquency*. Houghton-Mifflin, 1959.
- Glueck, S. and E. *Unravelling Juvenile Delinquency*. Commonwealth Fund, 1950.
- Glaser, D. *The Effectiveness of a Prison and Parole System*. Bobbs-Merrill, 1964.

- Klare, H. J. *Anatomy of Prison*. Hutchinson, 1960.
- Korn, R. and McCorkle, L. *Criminology and Penology*. Holt, Rinehart & Winston, 1960.
- Mannheim, H. *Group Problems in Crime and Punishment*. Routledge and Kegan Paul, 1958.
- Mannheim, H. (ed.). *Pioneers of Criminology*. Stevens & Sons, 1960.
- Mannheim, H. and Wilkins, L. *Prediction Methods in Relation to Borstal Training*. H.M.S.O., 1955, London.
- Mays, J. B. *Crime and the Social Structure*. Faber, 1963.
- Morris, T. *The Criminal Area*. Routledge & Kegan Paul, 1957.
- Morris, T. and Pentonville, P. *A Sociological Study of an English Prison*. Routledge & Kegan Paul, 1963.
- President's Commission on Law Enforcement and Administration of Justice. *The Challenge of Crime in a Free Society*. G.P.O. Feb. 1967, U.S.A.
- Sheldon, W. H. *Varieties of Delinquent Youth*. Harper, 1949.
- Social Science Research Council (U.S.). *Theoretical Studies in Social Organisation of Prison*. No. 15, 1960.
- Sutherland, E. *White Collar Crime*. Holt, Rinehart & Winston, 1961.
- Sykes, G. *The Society of Captives*. Princeton U.P. 1958.
- Taft, D. and England R. *Criminology*. 4th ed., Macmillan, 1962.
- Tappan, P. *Crime Justice and Correction*. McGraw-Hill, 1960.
- Vold, G. B. *Theoretical Criminology*. O.U.P., 1958.
- Whyte, W. F. *Street Corner Society*. Chicago U.P., 1943.
- Wilkins, L. T. *Delinquent Generations*. H.M.S.O., 1961.
- Wilkins, L. T. *Social Deviance*. Tavistock, 1964.
- Wolfgang, M., Savitz, L. and Johnston, N. *The Sociology of Crime and Delinquency*. Wiley, 1962.
- Wootton, B. *Social Science and Social Pathology*. Allen & Unwin, 1959.

3. SMALL GROUPS

A study of the contribution of small group research to sociological knowledge. Autonomous group functioning. Group cohesiveness. Leadership.

TEXT BOOKS

- Nomans, G. C. *The Human Group*. Routledge, 1951.
- Olmsted, M. S. *The Small Group*. Random House, 1959.
- Shepherd, C. R. *Small Groups*. Chandler Pub. Co., 1964, San Francisco.
- Sprott, J. L. *Human Groups*. Penguin, 1958.
- Zaleznik, A. and Moment, D. *The Dynamics of Interpersonal Behavior*. Wiley, 1964.

REFERENCE BOOKS

1. *Experimental Groups*:

(a) Collected readings.

- Cartwright, D. and Zander, A. (eds.). *Group Dynamics*. 2nd ed., Row, Peterson, 1960.

- Hare, A. P., Borgatta, E. F. and Bales, R. F. (eds.). *Small Groups*. Rev. ed., Knopf, 1965.
- (b) Summaries of the field and attempts at synthesis.
- Collins, B. E. *A Social Psychology of Group Processes for Decision-making*. Wiley, 1964.
- Golembiewski, R. T. *The Small Group*. Chicago U.P., 1962.
- Hare, A. P. *Handbook of Small Group Research*. Free Press, 1962.
- Hollander, E. P. *Leaders, Groups, and Influence*. O.U.P., 1964.
- Hopkins, T. K. *The Exercise of Influence in Small Groups*. Bedminster Press, 1964.
- Klein, J. *The Study of Groups*. Routledge, 1956.
- McGrath, J. E. and Altman, I. *Small Group Research: A Synthesis & Critique of the Field*. Holt, Rinehart & Winston, 1966.
- Schutz, W. C. *FIRO — A Three Dimensional Theory of Interpersonal Behavior*. Holt, Rinehart & Winston, 1960.
- Shils, E. A. "The Study of the Primary Group" in Lerner, D. and Lasswell, H. D. (eds.). *The Policy Sciences*. Stanford U.P., 1951.
- Thibaut, J. W. and Kelley, H. H. *The Social Psychology Of Groups*. Wiley, 1959.
2. *Spontaneous Peer Groups*:
- Dunphy, D. C. *Structures and Dynamics of Adolescent Groups*. (unpublished monograph), 1966.
- Newcomb, T. M. and Wilson, E. K. (eds.). *College Peer Groups*, Aldine Pub. Co., 1966.
- Short, J. F. and Strodtbeck, F. L. *Group Process and Gang Delinquency*. Chicago U.P., 1965.
- Smith, E. A. *American Youth Culture — Group Life in Teenage Society*. Free Press, 1963.
- Thrasher, F. *The Gang*. Chicago U.P., 1936.
- Verba, S. *Small Groups and Political Behavior*. Princeton U.P., 1961.
- Whyte, W. F. *Street Corner Society*. 2nd ed., Chicago U.P., 1956.
3. *Task Groups*:
- Janowitz, M. *Sociology and the Military Establishment*. 2nd ed., Russell Sage Foundation, 1965.
- Lombard, G. F. *Behavior in a Selling Group*. Plimpton Press, 1955.
- Sayles, L. R. *Behavior in Industrial Work Groups*. Wiley, 1963.
- Thelen, H. A. *Dynamics of Groups at Work*. Chicago U.P., 1954.
- Zaleznik, A. *Worker Satisfaction and Development*. Grad. School of Business Admin., Div. of Research, Harvard Univ. 1956.
4. *Resocialization Groups*:
- Bradford, L. P. et al. (eds.). *T-Group Theory and Laboratory Method*. Wiley, 1964.
- Durkin, H. *The Group in Depth*. Internat. Univ. Pr., 1964.
- Mills, T. M. *Group Transformation*. Prentice-Hall, 1964.
- Rosenbaum, M. and Berger, M. *Group Psychotherapy and Group Function*. Basic Books, 1963.

Slater, P. J. *Microcosm*. Wiley, 1966.

Slavson, S. R. *A Textbook in Analytic Group Psychotherapy*. Internat. Univ. Pr., 1964.

5. *Research Methods for the Study of Small Groups:*

Bales, R. F. *Interaction Process Analysis*. Addison-Wesley, 1951.

Borgatta, E. F. and Crowther, B. *A Workbook for the Study of Social Interaction Processes*. Rand McNally, 1965.

Heyns, R. W. and Lippitt, R. "Systematic Observational Techniques" in G. Lindzey (ed.). *Handbook of Social Psychology*. Addison-Wesley, 1954.

Leary T. *Interpersonal Diagnosis of Personality*. Ronald Pr., 1957.

Moreno, J. L. *Sociometry, Experimental Method and the Science of Society*. Beacon House, 1951, N.Y.

Stone, P. J., Dunphy, D. C., Smith, M. S. and Ogilvie, D. M. *The General Inquirer: A Computer Approach to Content Analysis*. M.I.T.Pr., 1966.

Downing, R. I. *National Superannuation*. Griffin, 1958.

Downing, R. I. et al. *Taxation in Australia*. M.U.P., 1964.

Hall, M. P. *Social Services of Modern England*. New. Ed., Routledge, 1966.

Hancock, K. (ed.). *The National Income and Social Welfare*. Cheshire, 1965.

Hill, M. R. *Housing Finance in Australia*. M.U.P., 1959.

I.L.O. *Hunger and Social Policy*. Internat. Labor Office, 1963.

Inglis, K. S. *Hospital and Community*. M.U.P., 1958.

Jones, K. *Mental Health and Social Policy*. 1845-1959. Routledge, 1960, London.

Lawrence, R. J. *Professional Social Work in Australia*. A.N.U., 1965.

McKinney, J. C. and de Vyver, F. T. *Aging and Social Policy*. Meredith Pub. Co., 1966.

Marsh, D. C. *An Introduction to the Study of Social Administration*. Routledge, 1965.

Marsh, D. C. *The Future of the Welfare State*. Penguin, 1964.

Marshall, T. H. *Citizenship and Social Class*. Cambridge U.P., 1950.

Marshall, T. H. *Social Policy*. Hutchinson, 1965.

Mathews, R. L. *Public Expenditure in Australia*. C.E.D.A., 1966, Melb.

Mendelsohn, R. S. *Social Security in the British Commonwealth*. Athlone Pr., 1954.

Seligman, B. *Poverty as a Public Issue*. Free Press, 1965, N.Y.

Tierney, L. *Children Who Need Help*. M.U.P., 1963.

Wilensky, H. L. and Lebeaux, C. *Industrial Society and Social Welfare*. Russell Sage Found., 1958.

6. *SOCIAL STRATIFICATION A*

Social differentiation and social stratification. The historical development of social stratification. Dimensions and correlates of social stratification in contemporary societies, and the distribution of life chances. Social mobility. Theories of social stratification.

TEXT BOOKS

- Bendix, R. and Lipset, S. M. *Class, Status and Power*. 2nd ed., Free Press, 1966.
- Bottomore, T. B. *Classes in Modern Society*. Ampersand, 1955.
- Davies, A. F. *Images of Class*. S.U.P., 1966.
- Lasswell, T. E. *Class and Stratum*. Houghton-Mifflin, 1965.

REFERENCE BOOKS

- Barber, B. *Social Stratification*. Harcourt, Brace, 1957.
- Bergel, E. *Social Stratification*. McGraw-Hill, 1962.
- Bottomore, T. B. *Elites and Society*. Watts, 1964.
- Centers, R. *The Psychology of Social Classes*. Princeton U.P., 1949.
- Collison, P. *The Cuttleslowe Walls: A Study in Social Class*. Faber & Faber, 1963.
- Davies, A. F. and Encel, S. *Australian Society*. Cheshire, 1965.
- Demerath, N. J. *Social Class in American Protestantism*. Rand McNally, 1965.
- Dobriner, W. M. *Class in Suburbia*. Prentice-Hall, 1963.
- Glass, D. V. (ed.). *Social Mobility in Britain*. Routledge & Kegan Paul, 1954.
- Gordon, M. M. *Social Class in American Sociology*. Duke U.P., 1958.
- Hodges, H. M. *Social Stratification: Class in America*. Schenkman, 1964.
- Keller, S. *Boy and the Ruling Class: Strategic Elites in Modern Society*. Random House, 1963.
- Komarovsky, M. *Blue-Collar Marriage*. Random House, 1964.
- Laumann, E. O. *Prestige and Association in an Urban Community*. Bobbs-Merrill, 1966.
- Lenski, G. *Power and Privilege: A Theory of Social Stratification*. McGraw-Hill, 1966.
- Lewis, R. and Maude, A. *The English Middle Classes*. Phoenix House, 1949.
- McKinley, D. G. *Social Class and Family Life*. Free Press, 1964.
- Mack, R. W. *Race, Class and Power*. American Book Co., 1963.
- Marshall, T. H. *Class, Citizenship and Social Development*. Doubleday & Co., 1965.
- Mayer, K. B. *Class and Society*. Random House, 1955.
- Mills, C. W. *White Collar*. O.U.P., 1951.
- Reiss, A. J. Jr. *Occupations and Social Status*. Free Press, 1961.
- Schumpeter, J. *Social Classes*. Meridian Books, 1955.
- Svalastoga, K. *Prestige, Class and Mobility*. Heinemann, 1959.
- Thompson, E. P. *The Making of the English Working Class*. Pantheon Books, 1964.
- T'ien, H. Y. *Social Mobility and Controlled Fertility: Family Origins and Structure of the Australian Academic Elite*. College & Univ. Pr., 1965.
- Warner, W., Meeker, M. and Eels, K. *Social Class in America*. Science Research Associates, 1949. Harper, 1960.
- Whitten, N. E. *Class, Kinship, and Power in an Ecuadorian Town*. Stanford, 1964.

7. *SOCIAL STRATIFICATION B* (Available only to students who have passed in *Social Stratification A*.)

A study of social stratification in Australia, including a comparative examination of empirical data in relation to theoretical constructs. Field work will be an integral part of the course.

TEXT BOOKS

Bendix, R. and Lipset, S. M. *Class, Status and Power: Social Stratification in Comparative Perspective*. 2nd ed., Routledge & Kegan Paul, 1967.

Marsh, R. M. *Comparative Sociology: A Codification of Cross-Societal Analysis*. Harcourt, Brace & World, 1967.

Svalastoga, K. *Social Differentiation*. David McKay Social Science Series, 1965.

REFERENCE BOOKS

Barber, B. *Social Stratification*. Harcourt, Brace, 1957.

Bergel, E. *Social Stratification*. McGraw-Hill, 1962.

Bottomore, T. B. *Classes in Modern Society*. Ampersand, 1955.

Bottomore, T. B. *Elites and Society*. Watts, 1964.

Burns, C. *Parties and People*. M.U.P., 1961.

Carlsson, G. *Social Mobility and Class Structure*. Lund, Gleerup, 1958.

Coleman, P. (ed.). *Australian Civilization*. Cheshire, 1962.

Dahrendorf, R. *Class and Conflict in Industrial Society*. Stanford Univ., 1964.

Davies, A. F. *Images of Class*. S.U.P., 1966.

Davies, A. F. and Encel, S. *Australian Society*. Cheshire, 1965.

Eisenstadt, S. N. *Essays on Comparative Institutions*. Wiley, 1965.

Elkin, A. P. (ed.). *Marriage and the Family in Australia*. Angus & Robertson, 1957.

Encel, S. *Is there an Australian Power Elite?* Melb. Univ. Aust Lab. Party Club, 1961.

Gordon, M. M. *Social Class in American Society*. Duke U.P., 1958.

Lenski, G. *Power and Privilege: A Theory of Social Stratification*. McGraw-Hill, 1966.

Lipset, S. M. *The First New Nation*. Basic Books, 1963.

Lipset, S. M. and Zetterberg, A. *A Proposal for a Comparative Study of Social Mobility — Its Causes and Consequences*. Columbia Univ. Bureau of Appl. Soc. Res., 1954.

Lipset, S. M. and Bendix, R. *Social Mobility in Industrial Society*. Univ. of Cal. Pr., 1959.

McGregor, C. *Profile of Australia*. Hodder & Stoughton, 1966.

Mayer, H. (ed.). *Australian Politics*. 2nd ed., Cheshire, 1967.

Montague, J. B. *Class and Nationality: English and American Studies*. New Haven Coll. & Univ. Pr., 1963.

Oeser, O. A. and Hammond, S. B. *Social Structure and Personality in a City*. Routledge & Kegan Paul, 1954.

Ossowski, S. *Class Structure in the Social Consciousness*. Free Press, 1963.

Rose, A. (ed.). *The Institutions of Advanced Societies*. Univ. of Minneapolis Pr., 1958.

Sorokin, P. A. *Social Mobility*. Free Press, 1959.

Svalastoga, K. *Prestige, Class and Mobility*. Heinemann, 1959.

Ward, R. *The Australian Legend*. O.U.P., 1958.

Whiteford, A. H. *Two Cities of Latin America: A Comparative Description of Social Classes*. Beloit College, 1960.

8. SOCIAL STRUCTURE AND PERSONALITY

A consideration of theories and research relative to the relationship between personality, culture, and social structure.

TEXT BOOKS

Berelson, B. and Steiner, G. *Human Behaviour*. Shorter ed., Harcourt, 1967.

Doby, J. T. *Introduction to Social Psychology*. Appleton Cent., 1966, N.Y.

Kuhn, A. *The Study of Society*. Social Sc. Paperback, Tavistock, 1966.

REFERENCE BOOKS

Barnouw, V. *Culture and Personality*. Dorsey, 1963.

Bredemeier, H. and Stephenson, R. *The Analysis of Social Systems*. Holt, 1962.

Cohen, Y. *Social Structure and Personality*. Holt, 1961.

Gerth, H. and Mills, C. *Character and Social Structure*. Routledge, 1954.

Gouldner, A. *Studies in Leadership*. Harper & Row, 1950.

Hammond, P. *Cultural and Social Anthropology*. Macmillan, 1964.

Kluckhohn, C., Murray, H. and Schneider, D. *Personality in Nature, Society, and Culture*. 2nd ed., Knopf, 1962.

Krech, D., Crutchfield, R. and Ballachey, E. *Individual in Society*. McGraw-Hill, 1962.

La Piere, R. *A Theory of Social Control*. McGraw-Hill, 1954.

Lipset, S. and Lowenthal, L. *Culture and Social Character*. Free Press, 1961.

Merton, R. *Social Theory and Social Structure*. Free Press, 1957.

Parsons, T. *Social Structure and Personality*. Free Press, 1964.

Riesman, D. *The Lonely Crowd*. Yale U.P., 1961.

Secord, P. and Backman, C. *Social Psychology*. McGraw-Hill, 1964.

Stoodley, B. *Society and Self*. Free Press, 1962.

Toby, J. *Contemporary Society*. Wiley, 1964.

White, R. W. *Lives in Progress*. Dryden, 1952.

9. SOCIOLOGY OF MEDICINE

An introduction to the study of the economic, social and political environment of health, disease and medical practice. Social and economic factors in epidemiology. The demographic pattern of disease, infirmity and ageing. Social factors in mental health. Cultural, ethnic and regional differences in health, disease and medical care, with special emphasis on the difference between Western and non-Western societies including Asia and New Guinea. The organization and staffing of medical services. The hospital as a social system. Informal patterns of medical care.

INTRODUCTORY READING

- Zinsser, H. *Rats, Lice and History*.
Shryock, R. H. *The Development of Modern Medicine*. Knopf, 1947.
Moran, H. M. *Viewless Winds*. London, 1935.

TEXT BOOKS

- Brockington, F. *World Health*. Penguin. 1958.
Freeman, H. E., Levine, S. and Reeder, L. G. (eds.). *Handbook of Medical Sociology*. Prentice-Hall, 1963.
Freidson, E. (ed.). *The Hospital in Modern Society*. Free Press, 1963.
Susser, M. W. and Watson, W. *Sociology in Medicine*. O.U.P., 1963.

REFERENCE BOOKS

- Apple, D. (ed.). *Sociological Studies in Health and Sickness*. McGraw-Hill, 1960.
Bloom, S. W. *The Doctor and his Patient*. Russell Sage Foundn., 1963.
Burling, T., Lentz, E. M. and Wilson, R. N. *The Give and Take in Hospitals*. Putnam, 1956.
Eckstein, H. *The English Health Service*. 1959.
Evang, K. *Health Service, Society and Medicine*. O.U.P., 1960.
Field, M. *Search for Security*. London, 1961.
Freidson, E. *Patients' Views of Medical Practice*. Russell Sage Foundation, 1961.
Galdston, I. *Medicine in Transition*. Chicago U.P., 1966.
Halmos, P. (ed.). *Sociology and Medicine*. Sociological Review Monograph no. 5, 1963.
Harris, S. E. *The Economics of American Medicine*. 1964.
Hollender, M. H. *The Psychology of Medical Practice*. Saunders, 1958.
Hollingshead, A. B. and Redlich, F. C. *Social Class and Mental Illness*. Wiley, 1958.
Hutchinson, B. *Old People in a Modern Australian Community*. Melbourne U.P., 1954.
Inglis, K. *Hospital and Community*. M.U.P., 1948.
Jaco, E. G. (ed.). *Patients, Physicians, and Illness*. Free Press, 1958.
Jones, M. *Social Psychiatry*. 1948.
Kessel, N. and Walton, H. *Alcoholism*. Penguin, 1965.
Lindsey, A. *Socialized Medicine in England and Wales*. 1962.
Merton, R. K., Reader, G. G. and Kendall, P. L. (eds.). *The Student Physician*. Harvard U.P., 1957.
Mendelsohn, R. *Social Security in the British Commonwealth*. Duckworth, 1954.
Opler, M. K. (ed.). *Culture and Mental Health*. Macmillan, 1959.

- Paul, B. D. (ed.). *Health, Culture and Community*. Russell Sage Foundn., 1955.
- Read, M. *Culture, Health and Disease*. Tavistock, 1966.
- Revans, R. W. *Standards for Morale*. O.U.P., 1964.
- Sigerist, H. E. *The Sociology of Medicine*, M. D. Pubns., 1960.
- Simmons, L. W. and Wolff, H. G. *Social Science in Medicine*. Russell Sage Fdn., 1954.
- Somers, H. M. and A. R. *Doctors, Patients and Health Insurance*. Anchor, 1961.
- Stamp, L. D. *The Geography of Life and Death*. Fontana, 1964.
- Stengel, E. *Suicide and Attempted Suicide*. Penguin, 1966.
- Stoller, A. *Growing Old*. Cheshire, 1960.
- Sussman, M. B. (ed.). *Sociology and Rehabilitation*. Amer. Soc. Assn., 1966.
- The Australian and N.Z. Hospitals Year Book*. Latest ed., Horwitz & U.N.S.W.
- Titmuss, R. M. *Essays in the Welfare State*. Allen & Unwin, 1958.
- Townsend, P. *The Family Life of Old People*. Tavistock, 1957.
- Townsend, P. *The Last Refuge*. Routledge, 1965.

10. SOCIOLOGY OF RELIGION

Neither Theology nor Comparative Religion, but the analysis of the inter-relations between ideas in religious form, religious behaviour, social structure and social behaviour generally. A study of the theoretical contribution of Durkheim, Weber and Parsons and a particular emphasis on contemporary studies of religious behaviour and ethics in societies and communities undergoing violent change — from Black Muslims to Cargo Cults — and in the increasingly secularized modern industrialized societies.

INTRODUCTORY READING

- Berger, P. *The Noise of Solemn Assemblies*. Paperback ed., Doubleday, 1961.
- Nottingham, E. *Religion and Society*. Paperback ed., Random House.
- Yinger, J. M. *Sociology Looks at Religion*. Paperback ed., Macmillan, 1963.

TEXT BOOKS

- Bendix, R. *Max Weber, an Intellectual Portrait*. Heinemann, 1960.
- Durkheim, E. *The Elementary Forms of Religious Life*. Paperback ed., Collin, 1963.
- Glock, C. Y. and Stark, R. *Religion and Society in Tension*. Rand McNally, 1965.
- Lanternari, V. *The Religions of the Oppressed*. Paperback ed., Mentor, 1963.
- Knudten, R. D. (ed.). *The Sociology of Religion, an Anthology*. Appleton Century Crofts, 1967.
- Weber, M. *The Sociology of Religion*. Social Science Paperback, 1965.
- Wilson, B. R. *Religion is a Secular Society*. New Thinkers Library, 1966, Watts.

REFERENCE BOOKS

- Argyle, M. *Religious Behaviour*. Routledge, 1958.
- Bellah, R. *Tokugawa Religion*. Free Press, 1957.
- Berger, P. *The Precarious Vision*. Doubleday, 1961.
- Bredemeier, H. C. and Stephenson. *The Analysis of Social Systems*. Sections 2, 9 & 10. Holt, Rinehart, & Winston, 1965.
- Cantwell Smith, W. *Islam In Modern History*. Paperback ed., Mentor, 1957.
- Cohn, N. *The Pursuit of the Millenium*. Mercury, 1962.
- Essien-Udom. *Black Nationalism, The Rise of the Black Muslims in the U.S.A.* Penguin, 1966.
- Gerth, H. H. and Mills. *From Max Weber, Essays On Sociology*. Routledge, Kegan Paul, 1948.
- Herberg, W. *Protestant, Catholic, Jew*. Paperback ed., Anchor, 1960.
- Hobsbawn, E. *Primitive Rebels*. Manchester U.P., 1959.
- Hughes, S. *Consciousness and Society*. Vintage Books, 1961, N.Y.
- Inglis, K. S. *Churches and the Working Classes in Victorian England*. Routledge & Kegan Paul, 1963.
- Lenski, G. *The Religious Factor*. Paperback ed., Anchor, 1963.
- Lewis, H. D. and Slater. *World Religions*. New Thurber Lbry., 1966, Watts.
- Moberg, D. *Religion as a Social Institution*. Prentice Hall, 1962.
- Niebuhr, R. H. *The Social Sources of Denominationalism*. Paperback ed., Meridian, 1958.
- Parsons, T., Shils, et al. (eds.). *Theories of Society*. Free Press, 1963.
- Pritchard, E. *Theories of Primitive Religion*. O.U.P., 1965.
- Schneider, L. (ed.). *Religion, Culture and Society*. Macmillan, 1957.
- Smelser, N. (ed.). *Sociology, An Introduction*. Wiley, 1967.
- Swanson, G. E. *The Birth of the Gods*. Paperback ed., Ann Arbor, 1965.
- Tawney, R. H. *Religion and the Rise of Capitalism*. Penguin, 1948.
- Troeltsch, E. *The Social Teachings of the Christian Church*. Allen & Unwin, 1931.
- Weber, Max. *The Protestant Ethic and the Spirit of Capitalism*. Paperback ed., Allen & Unwin, 1965.
- Wilson, B. R. *Sects and Society*. Berkeley U.P., 1961.
- Yinger, J. M. *Religion, Society and the Individual*. Macmillan, 1957.

11. URBAN SOCIOLOGY

The nature of the urban environment and the forms of social behaviour which it imposes. Patterns of daily life in cities and suburbs. Urban typology and its historical development. Social stratification in cities and country towns. Patterns of settlement in Australia. The metropolis: its character, functions, forms, problems and prospects. Interaction of land use and transportation: problems of traffic in towns.

The course will include a practical project concerned with collecting information about some aspect of urban life.

TEXT BOOKS

- Boskoff, A. *The Sociology of Urban Regions*. Appleton-Century Crofts, 1962.
- Rose, A. J. *Patterns of Cities*. Nelson, 1967.
- Wilkes, J. (ed.). *Australian Cities: Chaos or Planned Growth?* Angus & Robertson, 1966.

REFERENCE BOOKS

- Alderson, S. *Britain in the Sixties: Housing*. Penguin, 1964.
- Anderson, N. *Urban Community*. Routledge & Kegan Paul, 1959.
- Beyer, S. *Housing and Society*. Macmillan, 1965, N.Y.
- Briggs, A. *Historians and the study of Cities* (Cohen Memorial Lecture), 1960, Sydney.
- Cole, W. E. *Urban Society*. 1958, Cambridge, Mass.
- Congalton, A. A. *Status Ranking of Sydney Suburbs*. 1961, Sydney.
- Connell, W. F. *Growing up in an Australian City*. A.C.E.R., 1957.
- Cullingworth, J. B. *Housing needs and planning policy*. Routledge, 1960.
- Dept. of Geography, Univ. of Syd. *Readings in Urban Growth*. 1963.
- Dickinson, R. E. *The West European City*. Routledge, 1951.
- Dickinson, R. E. *City and Region*. Routledge, 1964.
- Gans, H. J. *The Urban Villagers*. Free Press, 1962.
- Gottmann, J. *Megalopolis*. Paperback ed., M.I.T., 1964.
- Hall, P. *London 2000*.
- Hatt, P. K. and Reiss, A. J. (eds.). *Cities and Society*. Free Press, 1957.
- Hauser, P. M. and Schnore, L. F. *The Study of Urbanization*. Wiley, 1965.
- Mumford, L. *The Culture of Cities*. Harcourt Brace, 1948.
- Mumford, L. *The City in History*. Harcourt Brace, 1961, N.Y.
- Oeser, O. A. and Hammond, S. B. *Social Structure and Personality in a City*. Routledge & Kegan Paul, 1954.
- Pirenne, H. *Medieval Cities*. Anchor, 1956.
- Reissman, L. *The Urban Process*. 1964. N.Y.
- Robson, W. A. (ed.). *Great Cities of the World*. Macmillan, 1957, N.Y.
- Sanders, I. T. *The Community*. Ronald Press, 1958.
- Scott, D. and U'Ren, R. *Leisure*. Cheshire, 1962.
- Sirjamaki, J. *The Sociology of Cities*. Random House, 1964.
- Warren, R. L. *Perspectives on the American Community*. Rand McNally, 1966.
- Weber, M. *The City*. (tr. Martindale and Neuwirth). Free Press, 1958.

53.122 Sociology II (Honours)

Sociology II (Pass), together with an extra seminar for distinction students only. Students may choose one of the following topics: psychoanalysis and sociology; Marxism and sociology; militarism and society.

53.113 Sociology IIIA

Students may select, subject to approval, two further course units drawn from the list given under 53.112 SOCIOLOGY II (Part B) and/or from the following additional list: industrial sociology; political sociology; science technology and society; sociological theory; theory of organization.

All students will be required to carry out, under supervision, a suitable field project.

1. INDUSTRIAL SOCIOLOGY

A course of lectures and seminars dealing with selected aspects of industrial organization, industrial conflict, occupational roles, and the impact of social change. Major topics from which the course in any one year will be drawn include the following:

- (a) *The Factory as a Social System*—The division of labour, forms of authority, principal areas of conflict, and methods of finding agreement over disputed issues.
- (b) *Industrial Conflict*—The economic basis of industrial conflict, the organizational forms in which conflicts are canalized, the conflict of roles, and the problems of authority and power.
- (c) *Technology and Social Change*—The growth of occupational and income differentiation; social and organizational effects of innovation in industrial processes; the emergence of forms of industrial organization in response to technological and economic changes.
- (d) *Special Cases of Occupational change.*

TEXT BOOKS

Caplow, T. *Principles of Organization*. Harcourt & Brace, 1964.

Miller, D. C. and Form, W. H. *Industrial Sociology*. Harper, 1964.

REFERENCE BOOKS

Aron, R. 18 *Lectures on Industrial Sociology*. Paperback ed., Weidenfeld & Nicolson, 1967.

Bendix, R. *Work and Authority in Industry*. Wiley, 1956; Paperback ed., Harper, 1963.

Brown, J. A. C. *The Social Psychology of Industry*. Paperback ed., Penguin, 1954.

Caplow, T. *The Sociology of Work*. Minn. U.P., 1954.

Ellul, J. *The Technological Society*. Cape, 1965.

Etzioni, A. (ed.). *The Comparative Analysis of Complex Organizations*. Free Press, 1961.

Ford, G. W. and Mathews, P. W. D. (eds.). *Australian Labour Unions*. Sun Books, 1967.

Friedmann, W. *Industrial Society*. Paperback ed., Free Press.

Gouldner, A. W. *Patterns of Industrial Bureaucracy*. Paperback ed., Free Press; Routledge, 1955.

Gouldner, A. W. *Wildcat Strike*. Paperback ed., Harper Torchbooks; Routledge, 1955.

Isaac, J. E. and Ford, G. W. (eds.). *Australian Labour Relations*. Paperback ed., Sun Books, 1967.

Jaques, E. *The Changing Culture of a Factory*. Tavistock, 1951.

- Katz, D. and Kahn, R. L. *The Social Psychology of Organizations*. Wiley, 1966.
- Kerr, C. et al. *Industrialism and Industrial Man*. Heinemann, 1962.
- Kornhauser, W. (ed.). *Industrial Conflict*. McGraw-Hill, 1954.
- Lafitte, P. *Social Structure and Personality in a Factory*. Routledge & Kegan Paul, 1958.
- Lipset, S. and Bendix, R. *Social Mobility in Industrial Society*. Paperback ed. U. of Cal. Pr., 1959.
- Lockwood, D. *The Blackcoated Worker*. Allen & Unwin, 1958; Paperback ed., Allen & Unwin, 1967.
- Mills, C. W. *White Collar*. O.U.P., 1951; Paperback ed., Galaxy, 1956.
- Prandy, K. *Professional Employees*. Faber, 1965.
- Sturmthal, A. (ed.). *White Collar Trade Unions*. U. of Ill. Pr., 1966.
- Symons, J. *The General Strike*. Cresset Press, 1957.
- Walker, K. F. *Industrial Relations in Australia*. Harvard U.P., 1956.
- Zweig, F. *The Worker in an Affluent Society*. Heinemann, 1961.

2. POLITICAL SOCIOLOGY

In 1968, the course will be concerned with two main questions: (a) the study of electoral behaviour; (b) the social and psychological background of political beliefs, attitudes and ideologies.

TEXT BOOKS

- Blondel, J. *Voters, Parties and Leaders*. Penguin, 1963.
- Burns, C. *Parties and People*. M.U.P., 1961.
- Campbell, A. et al. *The American Voter*. Wiley, 1960.
- Davies, A. F. *Images of Class*. S.U.P., 1966.
- Davies, A. F. *Private Politics*. M.U.P., 1966.
- Eulau, H. *The Behavioural Persuasion in Politics*. Random House, 1963.
- Lipset, S. M. *Political Man*. Mercury Books, 1960.

REFERENCE BOOKS

- Abrams, M. and Rose, R. *Must Labour Lose?* Penguin, 1960.
- Adorno, T. W. et al. *The Authoritarian Personality*. Harper, 1950.
- Almond, G. A. and Verba, S. J. *The Civic Culture*. Princeton U.P., 1963.
- Bell, D. (ed.). *The Radical Right*. Doubleday, 1962.
- Benney, M. et al. *How People Vote*. Routledge, 1952.
- Berelson, B. et al. *Voting*. Chicago U.P., 1954.
- Berger, B. M. *Working Class Suburb*. U. of Cal. Pr., 1960.
- Burdick, E. and Brodbeck, A. (eds.). *American Voting Behaviour*. Free Press, 1961.
- Daudt, H. *Floating Voters and the Floating Vote*. Stenfert Kroese, 1961.
- Eulau, H. and Eldersveld, S. J. (eds.) *Political Behaviour*. Free Press, 1956.
- Eysenck, H. J. *The Psychology of Politics*. Routledge, 1955.
- Fromm, E. *The Fear of Freedom*. Routledge, 1940.
- Lane, R. E. *Political Ideology*. Free Press, 1963.

- Money-Kyrle, R. E. *Psychoanalysis and Politics*. Duckworth, 1951.
 Rawson, D. W. *Australia Votes*. M.U.P., 1961.
 Riesman, D. *The Lonely Crowd*. Yale U.P., 1961.
 Riesman, D. and Glazer, N. *Faces in the Crowd*. Yale U.P., 1952.
 Rokeach, M. M. *The Open and Closed Mind*. Basic Books, 1960.
 Verba, S. J. *Small Groups and Political Behaviour*. Princeton U.P., 1961.
 Wood, R. C. *Suburbia*. Houghton Mifflin, 1959.

3. SCIENCE, TECHNOLOGY AND SOCIETY

The historical development and social background of science and technology. The influence of economic and social demands on discovery and invention. Growth of the scientific and technical professions. The application of scientific discoveries in industry. Science, technology, and the humanities. National service policies.

REFERENCE BOOKS

(a) *Historical and General*

- Bernal, J. D. *Science in History*. Watts, 1957.
 Butterfield, H. *The Origins of Modern Science*. Bell, 1950.
 Farrington, B. *Greek Science*. Penguin, 1953.
 Forbes, R. J. and Diksterhuis, E. J. *A History of Science and Technology*. (2 vols.). Penguin, 1963.
 Haldane, J. B. S. *Science Advances*. Allen & Unwin, 1948.
 Lilley, S. *Men, Machines, and History*. 1948.
 Price, D. J. de S. *Science Since Babylon*. Yale U.P., 1961.
 Sarton, G. *A History of Science*. O.U.P., 1953-1959.
 Singer, C., Hall, A. R., Holmyard, E. J. (eds.). *A History of Technology*. O.U.P., 1954-1958.
 White, L. *Medieval Technology and Social Change*. O.U.P., 1962.

(b) *The Social Background of Science and Invention*

- Barber, B. and Hirsch, W. *The Sociology of Science*. Free Press, 1962.
 Bernal, J. D. *The Social Function of Science*. Routledge, 1939.
 Bronowski, J. *The Common Sense of Science*. Penguin, 1960.
 Gilfillan, S. C. *The Sociology of Invention*. Chicago U.P., 1935.
 Goldsmith, M. and Mackay, A. (eds.). *The Science of Science*. Souvenir Press, 1964.
 Haber, L. F. *The Chemical Industry in the 19th Century*. O.U.P., 1958.
 Marsak, L. M. *The Rise of Science in Relation to Society*. Macmillan, 1964.

(c) *The Growth of the Scientific and Technical Professions*

- Armytage, W. H. G. *A Social History of Engineering*. Faber, 1961.
 Ashby, E. *Technology and the Academics*. Macmillan, 1958.
 Lapp, R. E. *The New Priesthood*. Harper & Row, 1965.
 Obler, P. C. and Estrin, H. A. (eds.). *The New Scientist*. Doubleday, 1962.
 Payne, G. L. *Scientific and Technological Manpower in Great Britain*. Stanford, U.P., 1960.

- Price, D. J. de S. *Little Science, Big Science*. Paperback ed., Columbia, 1962.
- Price, D. K. *The Scientific Estate*. Belknap Press, 1964.
- (d) *The Problems of Innovation in Industry*
- Burns, T. and Stalker, G. M. *The Management of Innovation*. Tavistock, 1961.
- Carter, C. F. and Williams, B. R. *Industry and Technical Progress*. O.U.P., 1957.
- Carter, C. F. and Williams, B. R. *Investment in Innovation*. O.U.P., 1959.
- Fensham, P. J. and Hooper, D. *The Dynamics of a Changing Technology*. Tavistock, 1964.
- Jewkes, J., Sawers, D. and Stillerman, A. *The Sources of Invention*. Macmillan, 1962.
- N.B.E.R. (U.S.A.). *The Rate and Direction of Inventive Activity*. Princeton U.P., 1962.
- Tybout, R. A. (ed.). *The Economics of Research and Development*. Ohio U.P., 1965.
- (e) *Science, Technology and the Humanities*
- Barzun, J. *Science, the Glorious Entertainment*. Secker & Warburg, 1964.
- Blanshard, B. *Education in the Age of Science*. Basic Books, 1960.
- Boyko, H. *Science and the Future of Mankind*. W. Junker, 1964, The Hague.
- Bronowski, J. *Science and Human Values*. Hutchinson, 1961.
- Burke, J. (ed.). *The New Technology and Human Values*. Wadsworth, 1964.
- Einstein, A. *The World as I See It*. Covici, Friede, 1934.
- Leavis, F. R. *Two Cultures?* Chatto & Windus, 1962.
- Nicholson, M. H. *Science and Imagination*. Great Seal Books, 1956.
- Snow, C. P. *The Two Cultures and The Two Cultures and a Second Look*. Cambridge, 1964.
- Waddington, C. H. *The Scientific Attitude*. rev. ed., Penguin, 1948.
- Wilkinson, J. et al. *Technology and Human Values*. Center for the Study of Democratic Institutions, 1966.
- (f) *National Policies on Science and Technology*
- Appleton, E. V. *Science and the Nation*. Edinburgh U.P., 1957.
- Etzioni, A. *The Boon-Doggle*. Doubleday, 1964.
- Freeman, C. and Young, A. *The Research and Development Effort in Western Europe*. O.E.C.D., 1965.
- Gilpin, R. and Wright, C. (eds.). *Scientists and National Policy-Making*. Columbia, 1964.
- Korol, A. G. *Soviet Research and Development*. M.I.T. Press, 1965.
- Meier, R. L. *Science and Economic Development*. Rev. ed., M.I.T. Press, 1966.

O.E.C.D. (ed. Mesthene, E. G.). *Ministers Talk About Science*. Paris, 1965.

Price, D. K. *Government and Science*. N.Y.U.Pr., 1964.

Technology and Economic Development. Scientific American Book. Pelican, 1965.

Wolfe, D. L. *Science and Public Policy*. Nebraska U.P., 1959.

4. SOCIOLOGICAL THEORY

This section of the course will be devoted to detailed study of a small number of theorists representing different approaches to general sociological theory. Particular emphasis will be placed on the theories of Durkheim, Simmel and Parsons.

TEXT BOOKS

Coser, L. *George Simmel*. Makers of Modern Social Science Series. Prentice-Hall, 1965.

Black, M. (ed.). *The Social Theories of Talcott Parsons*. Prentice-Hall, 1961.

Nisbet, R. *Emile Durkheim*. Makers of Modern Social Science Series. Prentice-Hall, 1965.

REFERENCE BOOKS

Coser, L. *The Functions of Social Conflict*. Routledge & Kegan Paul, 1956.

Durkheim, E. *The Division of Labour in Society*. Free Press, 1964.

Durkheim, E. *Elementary Forms of the Religious Life*. Free Press, 1964.

Durkheim, E. *The Rules of Sociological Method*. Free Press, 1964.

Durkheim, E. *Socialism and Saint-Simon*. Routledge & Kegan Paul, 1959.

Durkheim, E. *Sociology and Philosophy*. Cohen & West, 1953.

Durkheim, E. *Suicide*. Routledge & Kegan Paul, 1952.

Loomis, C. and Z. *Modern Sociological Theories*. 2nd ed. Van Nostrand, 1965.

Mills, C. W. *The Sociological Imagination*. O.U.P., N.Y.

Parsons, T. *Essays in Sociological Theory*. Rev. ed., Free Press, 1954.

Parsons, T. *Structure and Process in Modern Societies*. Free Press, 1960.

Parsons, T. *The Structure of Social Action*. Free Press, 1937.

Parsons, T. and Bales, R. F. *Family, Socialization and Interaction Process*. Routledge & Kegan Paul, 1956.

Parsons, T. and Smelser, N. J. *Economy and Society*. Routledge & Kegan Paul, 1956.

Parsons, T. and others. *Theories of Society*. Free Press, 1961.

Rex, J. *Key Problems in Sociological Theory*. Routledge, 1961.

Simmel, G. *Conflict and the Web of Group Affiliations*. Free Press, 1964.

Wolff, K. (ed.). *The Sociology of Georg Simmel*. Free Press, 1964.

Wolff, K. (ed.). *Emile Durkheim, 1858-1917*. Ohio State U.P., 1960.

5. THEORY OF ORGANIZATION

This course has four main objects:

- (a) to examine the development of theories about organizational structure and organizational behaviour;

- (b) to study the connection between theories about specific organizations and wider concepts about social organization in general.
- (c) to review actual case studies of organizations at work.
- (d) to examine the relation between the organization and the individual.

REFERENCE BOOKS

I. General

- Barnard, C. I. *The Functions of the Executive*. Harvard U.P., 1936.
 Caplow, T. *Principles of Organization*. Harcourt Brace, 1964.
 Etzioni, A. *Complex Organizations*. Free Press, 1961.
 Etzioni, A. *The Comparative Study of Complex Organizations*. Free Press, 1961.
 Haire, M. (ed.). *Modern Organization Theory*. Wiley, 1959.
 March, J. G. and Simon, H. A. *Organizations*. Wiley, 1966.
 March, J. G. *Handbook of Organizations*. Rand-McNally, 1965.
 Weber, M. *The Theory of Economic and Social Organization*. (tr.) Henderson & Parsons, 1947, Oxford.

II. Bureaucracy

- Blau, P. M. *The Dynamics of Bureaucracy*. Rev. ed., Chicago U.P., 1963.
 Blau, P. M. *Bureaucracy in Modern Society*. Random House, 1956.
 Blau, P. M. and Scott, W. R. *Formal Organizations*. Chandler Pub. Co., 1962, San Francisco.
 Crozier, M. *The Bureaucratic Phenomenon*. Tavistock, 1964.
 Gouldner, A. W. *Patterns of Industrial Bureaucracy*. Free Press, 1954.
 Merton, R. K. *Social Theory and Social Structure*. Rev. ed., Free Press, 1957.
 Merton, R. K. (ed.). *Reader in Bureaucracy*. Free Press, 1952.
 Selznick, P. *T.V.A. and the Grass Roots*. Paperback ed., Cal. Univ. P., 1949.

III. Organizational Levels

(a) The Individual and the Organization

- Roethlisberger, F. J. and Dixon, W. J. *Management and the Worker*. Harvard U.P., 1939.
 Argyris, C. *Personality and Organization*. Harper, 1957.
 Katz, D. and Kahn, R. *The Social Psychology of Organizations*. Wiley, 1966.
 Schein, E. H. *Organizational Psychology*. Prentice-Hall, 1965.

(b) Industrial Work Groups

- Sayles, L. R. *Behaviour in Industrial Work Groups*. Wiley, 1963.
 Warner, W. L. and Low. *The Social System of the Modern Factory*. Yale U.P., 1947.
 Whyte, W. F. *Men at Work*. Irwin-Dorsey, 1961.
 Zaleznik, A. Christensen, C. R. and Roethlisberger, F. J. *The Motivation, Productivity and Satisfaction of Workers*. Div. of Research, Grad. Sch. of Bus. Admin. Harvard Univ., 1958.

(c) *Management*

Berliner, J. S. *Factory and Manager in the U.S.S.R.* Harvard U.P., 1957.

Dalton, M. *Men Who Manage.* Wiley, 1959.

(d) *Research*

Hower, R. M. and Orth, C. D. *Managers and Scientists.* Div. of Research, Grad. Sch. of Bus. Admin. Harvard Univ., 1963.

Marcson, S. *The Scientist in American Industry.* Harper, 1960.

(e) *Non-industrial Organizations*

Goffman, I. *Asylums.* Anchor Books, 1961.

Janowitz, M. *Sociology and the Military Establishment.* Rev. ed., Russell Sage Found., 1965.

Lipset, S. M., Trow, M. A. and Coleman, J. S. *Union Democracy.* Free Press, 1956.

Sayles L. R. and Straus, A. *The Local Union.* Harper, 1953.

Stanton and Schwartz. *The Mental Hospital.* Basic Books, 1954.

IV. *New Directions in Organizations*

Bennis, W. *Changing Organizations.* McGraw-Hill, 1964.

Etzioni, A. *Modern Organizations.* Prentice-Hall, 1966.

Guest, R. H. *Organizational Change.* Dorsey, 1962.

Jaques, E. *The Changing Culture of a Factory.* Tavistock, 1957.

Likert, R. *New Patterns of Management.* McGraw-Hill, 1961.

McGregor, D. *The Human Side of Enterprise.* McGraw-Hill, 1960.

V. *Casebooks*

Corbett, D. C. and Schaffer, B. B. (eds.). *Decisions.* Cheshire, 1965.

Craig, H. F. (ed.). *Case Studies in Australian Business Administration.* Law Book Co., 1966.

Lawrence, P. R. and Seiler, J. A. *Organizational Behavior and Administration — Cases, Concepts and Research Findings.* Rev. ed., Irwin-Dorsey, 1965.

Willson, F. M. G. *Administrators in Action.* Allen & Unwin, 1961.

53.123 Sociology IIIA (Honours)

SOCIOLOGY IIIA (Pass), together with a further course-unit chosen, subject to approval, from the lists given under 53.112 SOCIOLOGY II (Part B) and 53.113 SOCIOLOGY IIIA.

53.143 Sociology IIIB (Honours)

Available to honours students only.

All students will be required to take a course in Applied Research and one other honours seminar drawn from the list given under 53.122 SOCIOLOGY II (Distinction) and/or the following: sociology of power; the sociology of Max Weber.

53.114 Sociology IV (Honours)

This subject will entail three requirements:

- (a) Attendance at a work-in-progress seminar conducted jointly with post-graduate students;
- (b) A further seminar topic chosen from the lists given under 53.122 SOCIOLOGY II (Distinction) and 53.143 SOCIOLOGY IIIB (Distinction);
- (c) The submission of a thesis.

Anthropology

Students enrolled in SOCIOLOGY I may, with the approval of the head of the School, enrol for ANTHROPOLOGY I at the University of Sydney and obtain credit for it towards the degree of Bachelor of Arts in this University.

Selected students enrolled for SOCIOLOGY II may also, with the approval of the head of the School, enrol for ANTHROPOLOGY II at the University of Sydney and obtain credit for it towards the degree of Bachelor of Arts at this University. ANTHROPOLOGY may not be taken as a subject at the University of Sydney under these conditions unless the student concerned is enrolled in SOCIOLOGY at this University.

SCHOOL OF POLITICAL SCIENCE

54.111 Political Science I

Students are given some idea of the range and variety of political studies, the nature of politics and political science, and of problems in the analysis of institutions and processes of government, and there is also a general study of Australian government and of some special issues and problems in Australian politics.

TEXT BOOKS

- Andrews, W. G. (ed.). *Constitution and Constitutionalism*. 2nd ed., Van Nostrand, 1963.
- Crisp, L. F. *Australian National Government*. Longmans, 1967.
- Dahl, R. *Modern Political Analysis*. Prentice-Hall, 1964.
- Frankel, J. *International Relations*. Oxford U.P., 1964.
- Mayer, H. *Australian Politics*. 2nd ed., Cheshire, 1967.
- Miller, J. D. B. *The Nature of Politics*. Pelican, 1965.
- Sawer, G. *Australian Government Today*. Melbourne U.P., 1963.
- Watt, A. *The Evolution of Australian Foreign Policy*. 1938-65. Cambridge U.P., 1966.
- Wheare, K. C. *Modern Constitutions*. Oxford Paperbacks University Series, 1966.

REFERENCE BOOKS

- *Miller, J. D. B. *Australian Government and Politics*. Duckworth, 3rd ed., 1964.
- *Wheare, K. C. *Legislatures*. Oxford U.P., 1963.
- *Wilkes, J. (ed.). *Forces in Australian Politics*. Angus & Robertson, 1965.
- Birch, A. H. *Representative and Responsible Government*. Allen & Unwin, 1964.
- Burns, C. *Parties and People*. Melbourne U.P., 1961.
- * Strongly Recommended.

- Crick, B. *In Defence of Politics*. Pelican, 1964.
 Davies, A. F. *Australian Democracy*. Longmans, 1964.
 Davis, S. R. *The Government of the Australian States*. Longmans, 1960.

SCHOOL OF EDUCATION

58.001 Principles of Education

Examination of the principles in education from the areas of philosophy and theory in education, educational psychology and sociology in education.

REFERENCE BOOKS

(a) *Philosophy and Theory in Education*

- Alberty H. B. *Reorganizing the High School Curriculum*. 3rd ed., Macmillan, 1962.
 Brown, L. M. *Philosophy in Education*. McGraw-Hill, 1966.
 Buber, M. *Between Man and Man*. Fontana Library ed., Collins, 1961.
 Connell, W. F. *The Foundations of Education*. Novak, 1962.
 Dewey, J. *Democracy and Education*. Macmillan, 1916.
 Dewey, J. *The Child and the Curriculum, and The School and Society*. Phoenix Books, University of Chicago Press, 1956.
 Dewey, J. *Experience and Education*. Collier Books, 1938.
 Faunce, R. C. and Bossing, N. L. *Developing the Core Curriculum*. Prentice-Hall, 1958.
 Nunn, T. P. *Education: Its Data and First Principles*. Edward Arnold, 3rd ed., 1945.
 Park, J. *Selected Readings in the Philosophy of Education*. Macmillan, 1958.
 Price, K. *Education and Philosophic Thought*. Allyn & Bacon, 1962.
 Reid, L. A. *Philosophy and Education*. Heinemann Educational Books, 1962.
 Scheffler, I. *Philosophy and Education*. Allyn and Bacon, 2nd ed., 1966.
 Smith, B. C. et al. *Fundamentals of Curriculum Development*. World Book Co., 1950.
 Whitehead, A. N. *Aims of Education and Other Essays*. Benn, 1962.
 Wynne, J. P. *Theories of Education*. Harper & Row, 1964.

(b) *Educational Psychology*

Bany, M. A. and Johnson L. V. *Classroom Group Behaviour*. Macmillan, 1964.
 Baller, W. R. and Charles, D. C. *The Psychology of Human Growth and Development*. Holt, Rinehart and Winston, 1961.
 Bigge, M. L. *Learning Theories for Teachers*. Harper, 1964.
 Charters W. W. and Gage N. L. *Readings in the Social Psychology of Education*. Allyn & Bacon, 1963.
 Getzels, J. W. and Jackson, P. W. *Creativity and Intelligence*. Basic Books, New York, 1962.
 Green, J. A. *Teacher-made Tests*. Harper & Row, 1963.
 Grinder, R. E. (ed.). *Studies in Adolescence*. Macmillan, 1963.

- Klausmeier, H. J. and Goodwin W. *Learning and Human Abilities*. Harper & Row, 1961.
- Mussen, P. H. *The Psychological Development of the Child*. Prentice-Hall, 1963.
- Muuss, R. E. *Theories of Adolescence*. Random House, 1962.
- Oeser, O. A. (ed.). *Teacher, Pupil and Task: Elements of Social Psychology Applied to Education*. Tavistock, 1955.
- Ripple, R. E. *Readings in Learning and Human Abilities*. Harper, 1964.
- Seidman, J. M. (ed.). *The Adolescent — A Book of Readings*. Rev. ed., Holt, Rinehart and Winston, 1960.
- Smith, L. M., and Hudgins, B. B. *Educational Psychology*. Alfred A. Knopf, 1964.
- (c) *Sociology in Education*
- Brookover, W. B. and Gottlieb, D. *Sociology of Education*. American Book Co., 1964.
- Coleman, J. S. *The Adolescent Society*. Free Press, 1961.
- Connell, W. F. et al. *Growing Up in an Australian City*. A.C.E.R., 1957.
- Davies, A. F. and Encel, S. *Australian Society*. Cheshire, 1965.
- Gross, C. H., Wronski, S. P. and Hanson, J. W. *School and Society*. D. C. Heath, 1962.
- Havighurst, R. J. and Neugarten, B. L. *Society and Education*. Allyn & Bacon, 1962.
- Mannheim, K. and Stewart, W. A. C. *An Introduction to the Sociology of Education*. Routledge & Kegan Paul, 1962.
- Musgrave, P. W. *The Sociology of Education*. Methuen, 1965.
- Stanley, W. O. et al. *Social Foundations of Education*. Dryden Press, 1957.

58.002 Educational Practice

Classroom organization and practice: individual and group techniques; management; teaching aids (including radio and television). Measurement in education. Curriculum construction and modification. School organization. In addition to formal course work, a number of visits will be paid to educational institutions.

REFERENCE BOOKS

- Risk T. M. *Principles and Practices of Teaching in Secondary Schools*. American Book Co., 1958.
- Bellack, A. A. (ed.). *Theory and Research in Teaching*. Bureau of Publications, Teachers' College, Columbia University, 1963.
- Biddle, B. and Ellana, W. J. *Contemporary Research on Teachers' Effectiveness*. Holt, Rinehart and Winston, 1964.
- Blair, G. M. *Diagnostic and Remedial Teaching in Secondary Schools*. Macmillan, Rev. ed., 1956.
- Bossing, L. *Principles of Secondary Education*. Prentice-Hall, 2nd ed., 1955.
- Cole, J. A. and Blake, L. J. *Principles and Techniques of Teaching*. Whitcombe and Tombs, 1962.
- Gallagher, J. *Teaching Gifted Students*. Allyn & Bacon, 1965.
- Grambs, J. D. et al. *Modern Methods in Secondary Education*. Dryden Press, 1958.

- Higbet, G. *The Art of Teaching*. Methuen University Paperbacks, 1963.
- Lindquist, E. F. (ed.). *Educational Measurement*. American Council on Education, 1951.
- Remmers, H. H., Gage, N. L. and Rummell, J. F. *A Practical Introduction to Measurement and Evaluation*. Harper, 1960.
- Smith, F. R. and McQuigg, R. B. *Secondary Schools To-day*. Houghton Mifflin, 1965.

58.003 Australian Education

Examines some important problems of Australian education. Attention will also be given to the treatment of related problems in overseas countries.

TEXT BOOKS

- Connell, W. F. *The Foundations of Secondary Education*. A.C.E.R., 1967.
- Cowan, R. W. T. (ed.). *Education for Australians*. Cheshire, 1967.

REFERENCE BOOKS

- Australian Institute of Political Science (Proceedings of 31st Summer School). *Tertiary Education in Australia*. Angus & Robertson, 1965.
- Butts, R. F. *Assumptions Underlying Australian Education*. A.C.E.R., 1954.
- Jackson, R. W. B. *Emergent Needs in Australian Education*. A.C.E.R., 1962.
- McKeown, P. J. and Hone, B. W. (eds.). *The Independent School*. Oxford University Press, 1967.
- Sanders, C. (ed.). *Technical Education for Development*. University of Western Australia Press, 1966.
- The Australian College of Education. *Teachers in Australia*. Cheshire, 1966.
- Wheelwright, E. L. (ed.). *Higher Education in Australia*. Cheshire, 1965.
- Report of the Committee Appointed to Survey Secondary Education in New South Wales*. (The Wyndham Report). Government Printer. Sydney, 1957.
- Report of the Committee on the Future of Tertiary Education in Australia*. (Chairman Sir Leslie Martin), 1965.
- Review of Education in Australia 1955-62* A.C.E.R., 1964.
- Commonwealth Office of Education. *Education in Australia*, 1965.
- The Australian Journal of Education* — particularly — Special Decennial Issue — October, 1966.
- The Australian Journal of Higher Education*. University of Western Australia Press.
- The Australian University*. Melbourne University Press.
- Conant, J. B. *The Education of American Teachers*. McGraw-Hill, 1963.
- Cramer, J. F. and Browne, G. S. *Contemporary Education*. Harcourt Brace, 1965.
- Reports of the Central Advisory Council for Education — England*.
 (i) 15 to 18 (Vol. I) H.M.S.O., 1959. (ii) *Half our Future* H.M.S.O., 1963.
- Report of Committee on Higher Education — Great Britain* (Chairman Lord Robbins) H.M.S.O., 1963.

58.044 Methods of Teaching

Students are required to take two teaching subjects, involving lectures, attendance at demonstration lessons and preparation of assignments.

58.005 Selected Topics

Lectures and exercises in a number of fields including the following:—
 (i) *Physical Education*: Achievement and maintenance of personal physical fitness at the individual level. Physical education as an aspect of the school programme and the part which may be played by teachers in the programme. (ii) *Health and Health Education*: Designed to develop in students (a) self-understanding and self-knowledge in respect of physical and mental health; and (b) knowledge and understanding of school pupils and community health problems and resources. (iii) *Communication Skills*: Development of knowledge and skill in relation to the effective use of the English Language. General problems of communication. (iv) *Elective Subject*: The object of this section of the course is to give to students the opportunity of devoting some time and thought to an aspect of education of particular interest to them: research, Australian literature, philosophy, history, etc.

58.006 Supervised Teaching Practice

Eight weeks' full-time teaching practice in term time.

SCHOOL OF HISTORY AND PHILOSOPHY OF SCIENCE**62.111 History and Philosophy of Science I**

An account of the development of astronomy, and especially of planetary theory, to the early nineteenth century. Special emphasis will be given to the philosophically significant features of the history to be presented.

PRELIMINARY READING

Armitage, A. *The World of Copernicus*. Mentor.

Campbell, N. R. *What is Science?* Dover.

Toulmin, S. E. *The Philosophy of Science*. Hutchinson.

Various Authors. *The History of Science. A Symposium*. (B.B.C.). Melbourne U.P.

TEXT BOOKS

Kuhn, T. S. *The Copernican Revolution*. Random House.

Cohen, I. B. *The Birth of a New Physics*. Heinemann.

Toulmin, S. E. and Goodfield, J. *The Fabric of the Heavens*. Hutchinson.

Austin, R. H. (ed.). *Star Chart for Southern Observers*. U.N.S.W. Press.

REFERENCE BOOKS

Baker, R. H. *Introduction to Astronomy*. Van Nostrand.

Bell, A. E. *Newtonian Science*. Arnold.

Berry, A. *A Short History of Astronomy*. Dover.

Boas, M. *The Scientific Renaissance*. Collins.

Butterfield, H. *The Origins of Modern Science*. Bell.

Caspar, M. (Trans. Hellman, D.). *Kepler*. Abelard-Schuman.

- Clagett, M. *Greek Science in Antiquity*. Abelard-Schuman.
- Cohen, M. R. and Drabkin, I. E. *Source Book in Greek Science*. McGraw-Hill.
- Collingwood, R. G. *The Idea of Nature*. Galaxy.
- Crombie, A. C. *Augustine to Galileo*. Falcon, also Mercury.
- de Santillana, G. *The Origins of Scientific Thought*. Mentor.
- Dreyer, J. L. E. *History of Astronomy*. Dover.
- Farrington, B. *Greek Science*. Penguin.
- Fath, E. A. *Elements of Astronomy*. McGraw-Hill.
- Flammarion, E. (trans. Pagel). *The Flammarion Book of Astronomy*. Allen & Unwin.
- Forbes, R. J. and Dijksterhuis, E. J. *A History of Science and Technology*. Penguin.
- Galilei, G. (trans. Drake, S.). *Dialogue Concerning the Two Chief World Systems*. U. California P.
- Heath, Sir Thomas. *Aristarchus of Samos*. Oxford.
- Hogben, L. *Science for the Citizen*. Allen & Unwin.
- Hoyle, F. *Astronomy*. Doubleday.
- Holton, G. and Roller, D. *The Foundations of Modern Physical Science*. Addison-Wesley.
- Hull, L. W. H. *History and Philosophy of Science: An Introduction*. Longmans.
- Koestler, A. *The Sleepwalkers*. Hutchinson; also Penguin.
- Koyre, A. *From the Closed World to the Infinite Universe*. Johns Hopkins U.P., also Harper.
- Lodge, Sir Oliver, *Pioneers of Science*. Dover.
- Mehlin, T. G. *Astronomy*. Wiley.
- More, L. T. *Isaac Newton*. Dover.
- Munitz, M. K. (ed.). *Theories of the Universe*. Free Press of Glencoe.
- Nangle, J. *Stars of the Southern Heavens*. Angus & Robertson.
- Neugebauer, O. *The Exact Sciences in Antiquity*. Harper.
- Orr, M. A. *An Easy Guide to Southern Stars*. Gall and Inglis.
- Pannekoek, A. *A History of Astronomy*. Allen & Unwin.
- Rogers, E. M. *Physics for the Enquiring Mind*. Oxford U.P.
- Rosen, E. *Three Copernican Treatises*. Dover.
- Rudaux, L. and de Vaucouleurs, G. *Larousse Encyclopaedia of Astronomy*. Batchworth.
- Sambursky, S. (trans. Dagut, R.). *The Physical World of the Greeks*. Routledge & Kegan Paul.
- Shapley, H. and Howarth. *Source Book in Astronomy*. McGraw-Hill.
- Sidgwick, J. B. *The Heavens Above*. Oxford U.P.
- Smart, W. M. *Textbook on Spherical Astronomy*. Cambridge U.P.
- Staal, J. D. W. *Focus on Stars*. Newnes.
- Walker, N. *The Nature of Scientific Thought*. Spectrum.

Students may also need to consult:

The *Astronomical Ephemeris* for the Year 1968 (H.M.S.O.).

The *Nautical Almanac* for the Year 1968 (H.M.S.O.).

Norton's Star Atlas and Telescopic Handbook. Gall and Inglis.

Many articles in the standard *encyclopaedias* will be found useful; so too will the standard short histories of science: e.g.

Dampier, W. C. *History of Science*. Cambridge U.P.

Sarton, G. *A Short History of Science*. Oxford U.P.

Singer, C. A. *A Short History of Science*. Oxford U.P.

DEPARTMENT OF SOCIAL WORK

63.111 Social Work I

A framework is established for the analysis of human problems. Lectures illustrate the practical application of psychological and sociological concepts including role, defence mechanism, subcultural differences and group norms. Case history material is used as an aid in teaching the practical application of social science concepts. Interviewing techniques are taught with the aid of the University's closed-circuit television facilities. Important social problems are discussed against the background of major social trends. Students gain first-hand acquaintance with social problems in their Australian context, through practical work sessions, which involve field observations and discussions with experienced social workers. The basic similarities and differences between social case work, social group work and community organization, are examined. The student is required to undertake field work with an approved agency for a minimum of 210 hours or 30 working days.

TEXT BOOKS

Brennan, T. and Parker, N. A. *Foundations of Social Casework*. Novak, 1966.

Hamilton, G. *Theory and Practice of Social Work*. 2nd ed., Columbia U.P. 1951.

Hollis, F. *Casework: A Psychosocial Therapy*. Random House, 1964.

Perlman, H. H. *Social Casework: A Problem Solving Process*. Chicago U.P., 1957.

REFERENCE BOOKS

Aptekar, H. H. *The Dynamics of Casework and Counseling*. Houghton Mifflin.

Ackerman, N. W. *The Psychodynamics of Family Life*. Basic Books.

Biestek, F. P. *The Casework Relationship*. Allen & Unwin, 1961.

Bredemeier, H. and Jackson, T. *Social Problems in America*. Wiley, 1960.

Cooley, C. H. *Social Organization and Human Nature and the Social Order*. Free Press, 1956.

Duhl, L. J. (ed.). *The Urban Condition*. Basic Books, 1963.

Eisenstadt, S. N. (ed.). *Comparative Social Problems*. Free Press, 1964.

Fein, R. *Economics of Mental Illness*. Monograph Series No. 2. Basic Books, 1958.

- Fink, E. A., Wilson, E. E. and Conover, M. B. *The Field of Social Work*. 4th ed. Holt, Reinhart and Winston, 1963.
- Gardner, J. W. *Self-Renewal: The Individual and the Innovative Society*. Harper, 1964.
- Gater, D. and Childs, M. *Ethics in a Business Society*. Mentor, 1954.
- Gold, H. and Scarpitti, F. R. (ed.). *Combatting Social Problems*. Holt, Reinhart and Winston, 1967.
- Henry, J. *Culture Against Man*. Random House, 1963.
- Hughes, C. C. Tremblay, M. Rapoport, R. N. and Leighton, A. H. *People of Cove and Woodlot. Communities from the Viewpoint of Social Psychiatry*. Vol. II. Basic Books, 1961.
- Leighton, A. *My Name is Legion*. Vol. I. Basic Books, 1959.
- Lowenthal, M. F. *Lives in Distress*, Basic Books, 1964.
- Martin, J. M. and Fitzpatrick, J. P. *Delinquent Behaviour. A Redefinition of the Problem*. Random House, 1964/65.
- May, E. *The Wasted Americans*. Signet Books, 1965.
- Reynolds, B. C. *Social Work and Social Living*. The Citadel Press.
- Scheff, T. J. (ed.). *Mental Illness and Social Processes*. Harper & Row, 1967.
- Selekman, S. K. and Selekmán, B. M. *Power and Morality in a Business Society*. McGraw-Hill, 1956.
- Stein, M. R. *The Eclipse of Community*. Harper Torchbooks, 1961.
- Thrasher. *The Gang*. Phoenix.
- Warren, R. *Studying your Community*. Free Press, 1965.
- Warren, R. L. *Perspectives on the American Community*. Rand, McNally, 1965.
- Wilensky, H. L. *Industrial Society and Social Welfare*. Russell Sage Foundation, 1958.
- Wilkins, L. T. *Social Deviance. Social Policy Action Research*. Tavistock, 1964.

63.112 Social Work II

An extension of Social Work I. Throughout the course, social casework continues to be seen as one way only of helping people with social problems. Appreciation of the central role of groups in human functioning and of the potentialities which lie in group process for inducing change in individual functioning and in social living is stressed throughout. Similarly, problems are seen in their community context and the relevance of community organization to their solution is kept in mind. Social group work and community organization are studied in general terms in their relationship to social casework. Case material, practical work, during which information is sought about social problems in the local community, and field work are used in an interrelated way to help students to acquire and apply social work knowledge and skills.

There will be a prescribed field work placement with an approved agency for a minimum of 210 hours or 30 working days, arranged to suit the convenience of both agency and student.

TEXT BOOKS

- Brennan, T. and Parker, N. A. *Foundations of Social Casework*. Novak, 1966.
- Hollis, F. *Casework. A Psychosocial Therapy*. Random House, 1964.

- Konopka, G. *Social Group Work*. Prentice-Hall and Englewood.
- Parad, H. *Ego Psychology and Dynamic Casework*. Family Service Assn. of America, 1958.
- Perlman, H. H. *Social Casework. A Problem Solving Process*. Chicago U.P., 1957.
- Younghusband, E. *New Developments in Casework*. Allen & Unwin.

REFERENCE BOOKS

- Aitken-Swan, J. *Widows in Australia*. Council of Social Service, 1962.
- Ackerman, N. W. *The Psychodynamics of Family Life*. Basic Books, 1958.
- Bell, N. W. and Vogel, E. P. *A Modern Introduction to the Family*. Routledge & Kegan Paul, 1961.
- Biestek, F. P. *The Casework Relationship*. Allen & Unwin, 1961.
- Bisno, H. *The Philosophy of Social Work*. Public Affairs Press, 1952.
- Bossard, J. S. and Bell, E. *The Sociology of Child Development*. Harper & Row, 1960.
- Bowlby, J. *Child Care and the Growth of Love*. Harmondsworth, 1953.
- Caplan, G. *Principles of Preventive Psychiatry*. Tavistock, 1964.
- Cumming, G. and Henry W. *Growing Old. The Process of Disengagement*. Basic Books, 1964.
- Cummings, J. and E. *Ego and Milieu*. Tavistock Pub., 1964.
- Delliquadri, F. *Helping the Family in Urban Society*. Columbia U.P., 1963.
- Donahue, W. and Tibbitts, C. *The New Frontiers of Ageing*. University of Michigan.
- Erikson, E. *Childhood and Society*. Norton, 1950.
- Erikson, E. *Identity and the Life Cycle*. Int. Univ. Press, 1959.
- Family Service Assn. of America. *The Significance of the Father*. Family Service Assn. of America (pamphlet).
- Feldman, F. *The Family in a Money World*. Family Service Assn. of America.
- Ferard, M. and Honeybunn, N. *The Caseworker's Use of Relationship*. Tavistock Pub., 1963.
- Frailberg, S. *The Magic Tears*. Scribner, 1959.
- Hamilton, G. *Theory and Practice of Social Work*. 2nd ed., Columbia U.P., 1951.
- Johnson, A. *School Social Work*. National Assn. of Social Workers, 1962.
- Kahn, A. J. *Issues in American Social Work*. Columbia U.P., 1959.
- Murphy, L. *The Widening World of Childhood*. Basic Books, 1963.
- National Conference for Social Welfare. *The Social Welfare Forum*. Columbia U.P.
- Parad, H. and Miller, R. *Ego Oriented Casework*. Family Service Assn. of America, 1963.
- Parad, H. *Crisis Intervention*. Family Service Assn. of America, 1965.
- Pollak, O. *Integrating Sociological and Psychoanalytic Concepts*. Russell Sage Foundation, 1956.
- Redl, F. and Wineman, D. *The Aggressive Child*. Free Press, 1957.

- Scott, D. and U'Ren, R. *Leisure*. Cheshire, 1962.
- Selye, H. *The Stress of Life*. McGraw-Hill, 1956.
- Stein, H. and Cloward, R. *Social Perspectives on Behaviour*. Free Press, 1958.
- Stoller, A. *Growing Old*. Cheshire.
- Timms, N. *Social Casework*. Routledge and Kegan Paul, 1964.
- Travis, G. *Chronic Disease and Disability*. Univ. California Press, 1961.
- Voiland, A. *Family Casework Diagnosis*. Columbia U.P., 1962.
- Williamson, R. *Marriage and Family Relations*. Wiley, 1966.

63.122 Social Work II (Distinction)

Social Work II plus an intensive study of the development of social work theory, including the works of prominent theorists. A reading list will be prescribed. There will be a prescribed field work placement with an approved agency for a minimum of 210 hours or 30 working days, arranged to suit the convenience of both agency and student.

63.113 Social Work III

Seminars in which an intensive study is made of different aspects of social work, its philosophy, its contribution to prevention of social problems, professional ethics and constituents of professional competence. Students undertake advanced study in social casework, social group work and community organization. Each student chooses a particular field of interest (e.g. medical, psychiatric social work, community organization, family or child welfare) and special seminars will be arranged in these. Field work will consist of two placements where practicable in the chosen field of specialization of each student. The time involved in these is a minimum of 420 hours or 60 working days.

TEXT BOOKS

- Bartlett, H. *Analysing Social Work. Practice by Fields*. National Assn. of Social Workers, 1961.
- Dunham, A. *Community Welfare Organization. Principles and Practice*. Crowell, 1965.
- Hollis, F. *Casework. A Psychosocial Therapy*. Random House, 1964.
- Konopka, G. *Social Group Work*. Prentice-Hall, 1963.
- Parad, H. *Crisis Intervention*. Family Service Assn. of America, 1965.
- Perlman, H. H. *Social Casework. A Problem Solving Process*. Univ. Press, 1957.
- Ross, M. *Community Organization, Theory and Principles*. Harper, 1958.

REFERENCE BOOKS

GENERAL

- Bennis, W., Schein, G., Berlew, D. and Steele, F. *Interpersonnel Dynamics*. Dorsey Press, 1964.
- Family Service Assn. of America. *Casework Papers*. Family Service Assn. of America, 1960.
- Halmos, P. (ed.). *The Canford Families. A Study in Social Casework and Group Work*. Univ. of Keele, 1962.

Riessman, F., Cohen, J. and Pearl, A. *The Mental Health of the Poor*. Free Press.

World Health Organization. *Deprivation of Maternal Care*. W.H.O. 1962.

Wootton, B. *Social Science and Social Pathology*. Allen & Unwin, 1963.

Younghusband, E. *New Developments in Casework*. Allen & Unwin, 1966.

Zald, M. N. *Social Welfare Institutions*. Wiley, 1965.

CHILD WELFARE

American Academy of Paediatrics. *Adoption of Children*. The Academy, 1959.

Ausubel, D. P. *Theory and Problems of Child Development*. Grune & Stratton, 1957.

Caplan, G. *Emotional Problems of Early Childhood*. Basic Books, 1955.

Child Welfare League of America. *Child Welfare and a Field of Social Work Practice*. Children's Bureau, 1959.

Clifton, E. and Hollis, F. *Child Therapy. A Casework Symposium*. Family Service Assn. of America.

Frailberg, S. *Psychoanalytic Principles in Casework with Children*. F.S.A., 1957.

Glickman, F. *Child Placement through Clinically Oriented Casework*. Columbia U.P., 1957.

Gordon, H. *Casework Services for Children*. Houghton & Mifflin, 1956.

Hamilton, G. *Psychotherapy in Child Guidance*. Columbia U.P., 1947.

Kahn, A. J. *Planning Community Services for Children in Trouble*. Columbia U.P., 1963.

Konopka, G. *The Adolescent Girl in Conflict*. Prentice-Hall, 1966.

Maas, H. A. and Engler, R. E. *Children in need of Parents*. 1959.

Peck, Harris and Bellsmith, V. *Treatment of the Delinquent Adolescent*. Family Service Assn. of America, 1954.

Rozenberg, J. and Frailberg, S. *Direct Casework with Children*. Family Service Assn. of America, 1957.

Smith, E. (ed.). *Readings on Adoption*. Philosophical Lib., 1965.

Young, L. *Out of Wedlock*. McGraw-Hill, 1954.

PSYCHIATRIC SOCIAL WORK

Caplan, G. *Approach to Community Mental Health*. Tavistock, 1961.

Cumming, E. and J. *Closed Ranks*. Harvard U.P., 1957.

Cumming, E. and J. *Ego and Milieu*. Tavistock, 1964.

Davies, S. P. *The Mentally Retarded in Society*. Columbia U.P., 1959.

Freeman, Howard and Simmons, O. *The Mental Patient Comes Home*. Wiley, 1963.

Greenblatt, M. and Levinson, D. *The Patient and the Mental Hospital*. Free Press, 1957.

Grinker, R. *Psychiatric Social Work*. Basic Books, 1961.

Johoda, M. *Current Concepts in Positive Mental Health*. Basic Books, 1958.

Joint Commission for Mental Health. *Action for Mental Health*. Basic Books, 1961.

- Joint Information Service of the American Psychiatric Assn. *The Community Mental Health Centre*. 1964.
- Jones, M. *The Therapeutic Community*. Basic Books, 1953.
- Knee, R. *Better Social Services for Mentally Ill Patients*. Department of Health, Education and Welfare, 1954.
- Schwartz, M. *Social Approaches to Mental Patient Care*. Columbia U.P., 1964.
- Stanton, A. and Schwartz. *The Mental Hospital*. Basic Books, 1954.
- Timms, N. *Psychiatric Social Work in Great Britain*. Routledge and Kegan Paul, 1964.
- Trecker, H. *Group Work in Psychiatric Setting*. Morrow, 1956.
- Wessen, A. *The Psychiatric Hospital as a Social System*. Thomas, 1964.
- Zander, A., Cohen, A. and Scotland, E. *Role Relations in the Mental Health Professions*. Univ. of Michigan, 1957.

CORRECTIONAL SOCIAL WORK

- Barnes, H. E. and Teeters, N. K. *New Horizons in Criminology*. Prentice-Hall, 1951.
- Cavan, R. *Readings in Juvenile Delinquency*. Lippincott, 1963.
- Cohen, A. *Delinquent Boys. The Culture of the Gang*. Free Press, 1955.
- Cressey, D. R. *The Prison, Studies in Institutional Organization and Change*. Holt, Rinehart & Winston, 1960.
- Gibbens, T. *Psychiatric Studies of Borstal Lads*. Oxford U.P., 1963.
- Glueck, S. and E. *Ventures in Criminology*. Tavistock, 1964.
- Glueck, S. and E. *Unravelling Juvenile Delinquency*. Harvard U.P., 1950.
- Glueck, S. and E. *Delinquents in the Making*. Harper, 1952.
- Konopka, G. *Group Work in the Institution*. Whiteside.
- Konopka, G. *The Adolescent Girl in Conflict*. Prentice-Hall, 1966.
- McCorkle, Albert, Bixly and Lovell. *The Highfields Story*. Holt, 1958.
- Mays, J. B. *Growing up in the City*. Liverpool U.P., 1954.
- Nye, I. *Family Relationships and Delinquent Behaviour*. Wiley, 1958.
- Polsky, H. W. *Cottage Six. The Social System of Delinquent Boys in Residential Treatment*. Wiley, 1965.
- Tait, C., Downing Jnr. and Hodges, E. *Delinquents, their Families and the Community*. Thomas, 1962.
- Tappan, P. *Crime, Justice and Correction*. McGraw-Hill, 1960.
- Wilkin, S. *Social Deviance*. Tavistock, 1964.

SOCIAL GROUP WORK

- Bernstein. *Youth on the Streets*. Assn. Press, 1964.
- Connell, W. F. *Growing up in an Australian City*. Aust. Council for Educ. Research, 1957.
- Coyle, G. *Group Work with American Youth*. Harper, 1949.
- Fenton, N. and Wiltse, K. *Group Methods in the Public Welfare Programme*. Pac. Books, 1963.

SOCIAL GROUP WORK (continued)

- Klein, A. *Society, Democracy and the Group*. Women's Press, 1962.
- Klein, J. *Working with Groups*. Hutchinsons Univ. Library, 1961.
- Konopka, G. *Group Work in the Institution*. Assn. Press, 1954.
- Konopka, G. *Therapeutic Group Work with Children*. Minneapolis Univ., 1949.
- Kubie, S. and Landau, G. *Group Work with the Aged*. International Univ. Press, 1954.
- Kuensther, P. *Social Group Work in Great Britain*. Faber, 1955.
- Lifton, W. *Working with Groups*. Wiley, 1961.
- Mauer, H. *Group Work as part of Residential Treatment*. Nat. Assn. of Social Workers, 1965.
- New South Wales Youth Policy Advisory Committee. *Abercrombie Report*. H.M.S.O. 1959. Govt. Printer, 1964.
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63.123 Social Work III (Distinction)

Social Work III plus an advanced course which covers major issues facing social work, new treatment approaches, social work research and methods of evaluation of the effectiveness of social welfare treatment. A component of either Sociology IV or Psychology IV is also required.

There will be two prescribed field work placements with approved agencies for a minimum of 420 hours or 60 working days.

63.211 Public Health and Social Medicine

Consists of two equal parts:

Part A: The study of physical health and disease with particular attention to diseases of social significance; principles of medicine; psychosomatic disorders and the role of the social worker in treatment.

Part B: Various types of maladjustment, including behaviour problems, psychosis, neurosis, epilepsy and mental deficiency. Mental disorders and their causes, genetic, organic and experimental. Positive mental health. Role of the family, with its changing pattern and structure; the problems involved in maintaining the stability and prestige of the family as a social unit. Other stresses such as economic hardship.

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