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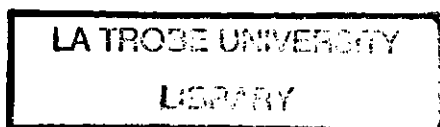
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Michael Morgan, F.R.S.A.

Stuart Sime

+Stuart Skinner

*Janet Taylor, Dip.O.T., V.A.O.T.

Sessional Staff

Clinical Medicine

John Anstee, M.B., B.S., F.R.A.C.S.

David Burke, M.B., B.S., D.P.R.M.

Bernard S. Gilligan, M.B., B.S., M.R.A.C.P.

John P. Masterton, M.B., Ch.B., Dip.Obst. (R.C.O.G.), F.R.C.S.,
F.R.A.C.S.

John C. Spensley, M.B., B.S., M.R.A.C.P.

Christine Tippet, M.B., B.S.

John Woodward, M.B., B.S., F.R.C.S.

Psychiatry

Roger Haskett, M.B., B.S.

John Honey, M.B., B.S.

J. Krupinski, M.D., F.A.C.M.A.

John Serry, M.B., B.S., D.P.M., M.A.N.Z.C.P.

* Part-time + Leave of absence

Specialist Lecturers

Gary Butler, B.Com., M.Admin.
 D. Cox, B.A., Dip.Soc.Stud.
 C. Judge, M.B., B.S., D.P.H., M.A.N.Z.C.P.
 Robert W. Klein, M.B.E., M.B., B.S.
 Maggie May, Dip. of Art, T.T.T.C.
 G. Murphy, M.A., Dip.Ed., M.A.Ps.S.
 Tama Taft, Dip.O.T., V.A.O.T.
 Kevin Walsh, B.A., M.B., B.S., M.Sc., M.A.Ps.S.

Administrative Officer: Position vacant

Receptionist: Sharon Henderson

Secretary: Jess Clark, Dip.D.R.

Student Services: Susy Hannah

Advisory Psychiatrist

Alys Donnan, M.B., B.Ch., B.A.O., M.A.N.Z.C.P., D.P.M.

School of Orthoptics*Acting Head of School*

Vivienne Gordon, D.O.B.A.

Gisela Heinze, D.B.O.(D)

Linda McKenzie, D.O.B.A.

Robin Wilkinson, D.O.B.A.

Sessional Staff

John Colvin, M.B., B.S., D.O., F.R.C.S., F.R.A.C.S., M.A.C.O.

William Gillies, M.B., B.S., D.O., F.R.C.S., F.R.A.C.S.

Keith Markwick, M.B., B.S., D.O., D.A., F.R.C.S., F.R.A.C.S., M.A.C.O.

Joseph Reich, M.B., B.S., F.R.A.C.S., D.O., M.A.C.O.

Thomas Spring, M.B., B.S., D.O., M.A.C.O.

J. Norton Taylor, M.B., B.S., F.R.C.S., F.R.C.S.E., F.R.A.C.S., M.A.C.O.

Robert West, M.B., B.S., F.R.C.S., F.R.A.C.S.

Secretary: Betty Bibb

School of Physiotherapy*Dean*

Patricia Cosh, Dip.Physio., M.A.P.A., T.T.T.C.

Assistant Dean

Margaret Nayler, Dip.Physio., M.A., M.A.P.A.

Patricia Bate, Dip.Physio., M.A.P.A.

Elizabeth Bingham, Dip.Physio., M.A.P.A.

Prudence Brugler, Dip.Physio.

*Elizabeth Burman, Dip.Physio., M.A.P.A.

Jennifer Caldwell, Dip.Physio.

*Paula Davidson, Dip.Physio., M.A.P.A., M.T.A.A.

Jan Dennis, Dip.Physio., M.A.P.A.

Barbara Duncan, Dip.Physio., Dip.T.P., M.A.P.A.

* Part-time

Mary Fielding, Dip.Physio., B.A., Dip.Ed.
 Carolyn Goldberg, Dip.Physio., M.A.P.A.
 Ann Grant, Dip.Physio., M.A.P.A.
 Anne James, Dip.Physio., M.A.P.A.
 Elizabeth Kerr, Dip.Physio., M.A.P.A.
 *Merilyn Mackenzie, Dip.Physio., M.A.P.A.
 *Elfreda Marshall, Dip.Physio., M.A.P.A.
 Ingrid Mitton, Dip.Physio., M.A.P.A.
 Robyn Rankin, Dip.Physio., M.A.P.A.
 *Barbara Rix, Dip.Physio., T.T.T.C., M.A.P.A., M.T.A.A.
 Margaret Sherburn, Dip.Physio., M.A.P.A.
 Barry Stillman, Dip.Physio., M.C.S.P., M.A.P.A.
 *Diana Svendsen, Dip.Physio., M.A.P.A.
 William Temple, Dip.Physio., M.A.P.A.
 *Valerie Townsend, Dip.Physio., M.A.P.A.
 Prudence Weeks, Dip.Physio., M.A.P.A.

Sessional Staff

Anatomy

Representatives of the Professor of Anatomy, University of Melbourne

Pathology

Leo Cussen, M.B., B.S., F.R.C.P.A.

Medical and Surgical Conditions

Ross Anderson, M.B., B.S., F.R.C.P.A., M.R.C.Path.
 Robert Carey, M.B., B.S., F.R.A.C.S.
 Eric Cooper, M.B., B.S., F.R.A.C.S.
 John Dowling, M.B., B.S., F.R.C.P.A.
 Michael Fogarty, M.B., F.R.C.S., F.R.A.C.S.
 John Hart, M.B., B.S., F.R.A.C.S.
 J. Barrie Morley, M.B., B.S., F.R.A.C.P., F.R.C.P.
 Jonathan Rush, M.B., B.S., F.R.A.C.S.
 Robert Southby, M.B., B.S., F.R.A.C.S.
 Margot Story, B.Sc., Ph.D.
 Edmond Tai, M.B., B.S., F.R.A.C.P.

Nursing Procedure

Representatives of the College of Nursing, Australia

Administrative Officer: Benjamin Gerst, B.A., T.S.T.C.
 Secretary: Irene Bruhn
 Receptionist/Typist: Kathryn Neeson
 School Aide: Fiona Beale

School of Prosthetics and Orthotics

Head of School

Maureen Cullen, Dip.O.T., V.A.O.T.
 S. Y. Pong, Dip.Eng.(Elec.), Dip.P.-O., L.B.I.S.T.
 L. Barry Wollmer, L.Th., M.A.Ch.A.

* Part-time

Sessional Staff

John Liebert, A.I.D.I.A.

Representatives of the Professor of Anatomy, University of Melbourne

Secretary: Lyn Hickman

Department of Behavioural Sciences***Head of Department***

Robert J. Kirkby, B.Sc., Ph.D., M.A.Ps.S., M.P.P.S.

Margaret Darbyshire, B.A.(Hons.), Dip.Ed., M.A.Ps.S.

Peter Foreman, B.Sc.(Hons.), M.A.Ps.S.

Thomas Matyas, B.A., Ph.D., M.A.Ps.S.

Brigid McCoppin, B.A.(Hons.), M.A., S.R.N., S.C.M.

Mary Anne O'Connell, B.A.(Hons.)

Jon Russell, B.Sc., M.A., Ph.D.

Marcelle Schwartz, B.Sc., Ph.D.

Sessional Staff

Tony Endrey, B.Sc.(Hons.), B.Ed., B.D.(Hons.), M.A.Ps.S.

Jon Frederick, B.A., M.A.Ps.S.

Rosemary Gillespie, M.Sc., M.A.

Brian Keane, B.Sc.(Hons.), Dip.Ed.

Liesl Osman, B.A., Dip.Soc.(Hons.)

Secretary: Marlene Johnstone, B.A.

Receptionist/Typist: Janine Paton

Department of Biological Sciences***Head of Department***

Phyllis Fry, B.Sc., M.Sc.

Elizabeth Brown, B.Sc.(Hons.), Dip.Ed.

Owen Evans, B.App.Sc.(Hons.)

A. S. Henry, B.Sc.(Hons.), Ph.D.

Murray Lewis, M.Sc., Ph.D.

Linda Oke, Dip.O.T.

Brian Rice, H.N.C.

Sessional Staff

Robert E. Budwine, M.Sc., Ph.D.

Secretary: Lyn Creek

Department of Educational Resources***Head of Department***

Hugh Batten, B.Sc., B.Ed.

Educational Development

Jacqueline Lublin, B.A., B.Ed., M.A.C.E.

Rodney Wellard, B.Com., B.Ed., T.S.T.C.

Library

Librarian: Position vacant

Winifred Collins, M.Sc., A.L.A.A.

Gayle Edwards, B.Soc.Sci., A.L.A.A.

Lucille Mitchell, B.A.(Hons.), Grad.Dip.Lib.

Noeline Sherwin, Lib.Tech.Cert.

Jane Clyne

Emina Fazlic

Lawrence Moloney

Heather Roberts

Helen Tamme

Media

Ron Bollman

Technical

Alan Kelly

Ben Langhammer

Graeme Hill

Printing

David McNaughton

Rhonda Brown

Margaret Warland

Administrative Officer: Anna Tomada, B.A.

Secretary to Department: K. Winsome Ashcroft

Admission Regulations

Applicants for admission to courses at Lincoln Institute must satisfy the following requirements.

1. Entry Requirements

Applicants must complete satisfactorily a sixth-form course, with appropriate subject prerequisites.

Applicants may fulfil the requirements of one of the Institute's Special Entry Schemes as follows:

- (1) Persons who have not made a full attempt at the H.S.C. examination or equivalent. Applicants in this category must be at least 20 years of age by 1 January of the year in which they wish to commence a course.
- (2) Persons who have failed the H.S.C. examination or its equivalent must have done so not less than 5 years prior to making an application to the Institute for admission.

All applicants under the Special Entry Schemes will be required to undertake an aptitude test.

2. Subject Prerequisites

The following are the sixth-form subject prerequisites for Institute courses. These subject prerequisites do not apply to Special Entry applicants.

- (a) *Communication Disorders* A "C Grade" pass in English. A pass in at least one science subject is desirable.
- (b) *Medical Record Administration* A pass in one of the following subjects: Biology, Chemistry, Physics, a branch of Mathematics. Ability to type is desirable.
- (c) *Occupational Therapy* No prerequisites. However, intending applicants are advised to take at least one of the following subjects at sixth-form level: Biology, Chemistry, Physics.
- (d) *Orthoptics* A pass in one science subject. If the science subject is Biology, a pass in Physics or a branch of Mathematics at fifth-form level is desirable.
- (e) *Physiotherapy* A pass in two of the following sixth-form subjects: Biology, Chemistry, Physics, a branch of Mathematics.
- (f) *Prosthetics and Orthotics* A pass in one of the following subjects: Physics, Chemistry, Biology.

3. Age

Applicants must be 17 years of age (18 years for Medical Record Administration) by 31 March in the first year of the course.

4. Group Information Sessions

Applicants must attend one group information session for each course they have applied for. These sessions are held during the latter part of the year. Dates and times for these sessions are available from the Admissions Office.

5. Hospital Visits

Applicants for the courses in Medical Record Administration, Orthoptics, and Prosthetics and Orthotics are required to take part in hospital visits. Information concerning these visits is obtainable from Admissions.

6. Exemptions

Exemptions may be granted in any area of study. Applications for exemption must be submitted in writing to the Dean or Head of School in which the student is enrolled. They must be supported by documentary evidence of successful completion of a particular area of study, and must be received by 16 February 1977.

7. Deferment

- (a) Students are able to defer entry to an Institute course for one year.
- (b) Students offered a place, and wishing to defer entry, must notify the relevant School of the Institute within 48 hours of receiving the offer.
- (c) Students who have deferred entry to an Institute course are required to write to the Admissions Office by 30 November 1977, indicating their intention to enrol in an Institute course in 1978.

8. Health Requirements

All students and staff of the Institute are required to be immunised against polio and T.B. and to have a chest X-ray. The Institute will make arrangements for these at the beginning of first term.

(a) *Communication Disorders* Following selection and before the start of first term, students will be expected to have an audiometric examination. An applicant suspecting hearing loss should inform the School of Communication Disorders before selection.

(b) *Orthoptics* Following selection before the start of first term, students will be expected to have an ocular examination.

(c) *Physiotherapy* Students selected for the Physiotherapy course are required to inform the Dean of the Physiotherapy School, prior to enrolment, of any physical or other disabilities which may affect their participation in the course.

9. Fees

A general service fee must be paid by students at the time of enrolment. The fee provides for the operations of the Students Representative Council, certain student union facilities, and other student requirements. The 1977 student service fee for full-time students is \$50.00.

Application Procedures

Applications for courses must be made both to Lincoln Institute and to the Victorian Universities Admissions Committee. V.U.A.C. information and enrolment particulars are detailed in the *Victorian Universities Guide for Prospective Students* which is available at all schools or direct from the Victorian Universities Admissions Committee, 11 Queens Road, Melbourne 3004. Application forms are available from the Admissions Officer, Lincoln Institute, 625 Swanston Street, Carlton 3053.

Closing Date for Applications

The closing date for applications is 30 October. Applications received after 30 October may be considered, but they will be subject to a late application fee. Applicants are reminded of the V.U.A.C. regulations in this regard. Applications from overseas students must be received by 31 July. The closing date for Special Entry applications is 30 September.

Inquiries

Any inquiries concerning application or enrolment procedures should be directed to the Admissions Office, ground floor, Building A.

Student Services

Counselling, Health, and Housing

Student Counselling, Health, and Housing Services are conducted jointly by the University of Melbourne, Melbourne State College, and Lincoln Institute at the following locations:

Student Counselling:	278 Faraday Street Telephone: 341 6928/9
Student Health:	249 Grattan Street Telephone: 341 6904/5
Student Housing:	786 Swanston Street Telephone: 341 6930/6901

Union Facilities

A new student union area has been established on the ground floor of Building B, which includes a cafeteria, lounge area, table tennis, and snooker facilities. The S.R.C. office and a meeting room for student clubs and societies are located on the first floor of Building B. The auditorium and gymnasium on the fifth floor of Building A provide facilities for volleyball and badminton.

Student Information Service

Students with queries concerning enrolment procedures, student service fees, lockers, and I.D. cards should direct them to the Admissions Office on the ground floor of Building A.

Student Services Co-ordinator

The Student Services Co-ordinator, located on the first floor of Building B, will assist students in contacting and establishing clubs and societies, provide information about student counselling, health, and housing services, advise on the availability of financial assistance in the form of a Commonwealth Government tertiary allowance, hospital bursary, or Lincoln Institute student loan, and generally seek to assist students in making effective use of student amenities and facilities at Lincoln.

General Information

Term Dates

First Term 28 February-13 May 1977
Second Term 6 June-12 August 1977
Third Term 5 September-21 October 1977

Insurance

The Institute has an accident insurance policy which covers students undertaking studies at the Institute and in clinical situations.

Uniforms and Equipment

Students in some courses will need a prescribed uniform for hospital, clinical, and other activities. Details of these requirements will be issued to students at the beginning of first term.

Fares

Students in most courses have to travel between Lincoln Institute, teaching hospitals, and venues for other special visits. Certain concessions to students are available from the Victorian Railways and the Tramways Board. Request forms may be obtained from the Admissions Office of the Institute.

Educational Resources

The Institute has an Educational Resources Centre which includes a wide range of books, journals, cassettes, slides, and anatomical models. Interlibrary loans can be arranged through the Institute library.

Lockers

Each student will be allocated a locker at the beginning of the year. Lost locker keys will be replaced by the Admissions Office and the cost charged to the student. All students will be required to return their keys at the end of third term.

Change of Address

Students should notify the Admissions Office of a change of address.

Stationery

A limited supply of stationery items is available for sale to students at the Admissions Office.

Open Day

Open Day is Sunday 19 June 1977, 10.00 a.m.-4.00 p.m. The Institute will be open to members of the public. Staff members and students will be available to provide information about Institute courses.

School/Department Code

BL Biological Sciences
BS Behavioural Sciences
CD Communication Disorders
MR Medical Record Administration
OP Orthoptics
OT Occupational Therapy
PO Prosthetics and Orthotics
PT Physiotherapy

Examination Regulations

The following examination regulations apply to Institute courses. Details of the actual assessment and examination programme for each subject will be issued to students at the beginning of the academic year.

1. Board of Examiners

- (i) For every course there will be a Board of Examiners.
- (ii) When results for the year are being reviewed, the Board of Examiners will include the examiner from each subject taught in a course year.
- (iii) The Board of Examiners will take into account all relevant information about a candidate in deciding whether a candidate has passed or failed or whether a candidate will be given a supplementary examination.
- (iv) The Board of Examiners will be responsible for publishing final examination results.

2. Procedures for Students Not Initially Awarded a Pass at the Completion of the Year's Work

- (a) Confirmation of Results
 - (i) The procedure, confirmation of results, may be used for borderline cases at the discretion of the subject examiner.
 - (ii) Confirmation of results will involve some assessment procedures, the nature of which are at the discretion of the subject examiner, and may include all or some of the following: short written test, take-home work, open test, viva voce.
 - (iii) Confirmation of results will occur prior to the meeting of the Board of Examiners.
- (b) Supplementary Examinations
 - (i) The content of supplementary examinations will be determined by the examiner.
 - (ii) Supplementary examinations will be awarded by the Board of Examiners with the approval of the subject examiner.
 - (iii) A supplementary examination will be awarded in the expectation that significant student learning will occur prior to this examination.
 - (iv) No supplementary examination will be held until at least 6 weeks after publication of results.
 - (v) The Board of Examiners will have the right to determine the number of supplementary examinations a student may take.

- (vi) The results of supplementary examinations will be presented to the Board of Examiners for the course year.

3. Results of Examinations

Final subject results will be released using the following grades: Distinction, Credit, Pass, Fail.

4. Special Consideration Examination

- (i) Candidates unable to take the final examination for medical or other reasons may, at the discretion of the Board of Examiners, be admitted to a subsequent examination.
- (ii) Special consideration examinations will be held at the same time as supplementary examinations.
- (iii) In the case of illness or injury, the candidate must notify the School office promptly and provide the office with a medical certificate within 48 hours of the examination. Candidates may subsequently be required to provide a medical certificate indicating fitness to sit for the examination.
- (iv) Candidates who fail to present for reasons other than illness or injury—or students who feel seriously disadvantaged regarding the examination—must apply in writing to the Board of Examiners, through the Head of School, within 48 hours of the examination, for a special consideration examination.

5. Year Pass

When a student has failed a subject, the Board of Examiners may grant a year pass. However, the student will still be recorded as having failed the subject.

6. Appeal Procedures

- (i) Students have the right of appeal to the appropriate Board of Examiners about any decision of the Board.
- (ii) Appeals to the Board of Examiners must be made in writing by the student and received by the Head of School not more than 7 days after the publication of results. Appeals will be heard by a special meeting of the Board no later than 10 days after the publication of results. The Board will give its decision to the candidate in writing within 3 days of the special meeting.
- (iii) Students have a final right of appeal to the Board of Studies. An appeal to the Board of Studies must be made in writing within 7 days of receiving a reply from the Board of Examiners, and it should be directed to the Academic Registrar. A student may choose to appear in person to support an appeal.
- (iv) The Board of Studies will convey its decision in writing to the student and to the Board of Examiners within 3 days of the appeal being considered.

School of Communication Disorders

LINCOLN INSTITUTE LIBRARY
675 SWANSTON ST CARLTON 3053

Introduction to Speech Pathology

Communication by means of speech is an essential part of man's relationship with his world, and any difficulty in freely expressing thoughts in speech is a disabling handicap which may have far-reaching effects on personality and behaviour. Speech pathologists treat those who suffer from such handicaps.

Communication may be impaired because of hearing loss, brain damage, poliomyelitis, cleft palate, stuttering, articulatory defects, slow speech or language development, or poor voice quality. Some conditions are due to abnormality present at birth, others to emotional causes or to disease or injury. To understand them and to plan remedial treatment, a speech pathologist must have a wide knowledge of medical, psychological, and linguistic subjects.

The School of Communication Disorders is the only training school for student speech pathologists in Victoria.

The Australian Association of Speech and Hearing is the registering body for the profession in Australia. Speech pathologists with the degree of Bachelor of Applied Science in Speech Science are able to practise in the United Kingdom. Although formal reciprocity with Canada and the United States is not established, many Australian speech pathologists have worked in those countries. The Australian Association of Speech and Hearing is affiliated with the International Association of Logopaedics and Phoniatrics and members may attend its conferences.

There is a shortage of qualified speech pathologists in many parts of Australia and a wide variety of positions is available to graduates. Speech pathologists may take up appointments in speech pathology clinics of general hospitals or education departments, or in the specialised fields of rehabilitation, geriatrics, education of the cerebral palsied, the deaf, or the mentally retarded. Students observe and practise speech pathology in each type of clinic during training.

The academic requirements of the course are demanding, and the growth of this new and rapidly developing profession calls for speech pathologists with alert, critical minds, and the ability to conduct scientific investigations into human communication problems. To men and women interested in the social sciences, speech pathology offers an opportunity to use their knowledge in a practical and constructive way in the service of others.

Course of Study

Speech Pathology is a full-time course extending over a period of four consecutive years. There is no provision for part-time or evening students.

Award

Bachelor of Applied Science (Speech Pathology).

Lectures and Clinical Practice

Lectures are held at Lincoln Institute. Clinical practice is carried out within the School of Communication Disorders and students attend the following speech therapy clinics for observation and practice:

Hospitals

Alfred Hospital
 Austin Hospital
 Ballarat Base Hospital
 Box Hill and District Hospital
 Dandenong Hospital
 Frankston Hospital
 Geelong Base Hospital
 Greenvale Geriatric Centre
 Mount Royal Special Hospital for the Aged
 Prince Henry's Hospital
 Queen Elizabeth Hospital, Ballarat
 Queen Victoria Memorial Hospital
 Repatriation General Hospital
 Royal Children's Hospital, including Yooralla Hospital Schools for Crippled Children
 Royal Eye and Ear Hospital
 Royal Melbourne Hospital
 Royal Talbot General Rehabilitation Hospital
 St. Vincent's Hospital
 Western General Hospital

Education Department Centres at:

Special Services Division, Queensberry Street, Carlton
 Primary School, Dana Street, Ballarat
 Primary School, Whitehorse Road, Blackburn
 Primary School, Millers Road, Brooklyn
 Special Services Division, Foster Street, Dandenong
 Primary School, Wheatsheaf Road, Glenroy
 81 Bell Street, Coburg
 Special Services Complex, Geelong West
 Primary School, Haig Street, Heidelberg West
 Primary School, Graham Road, Highett
 Prahran Speech Therapy Clinic
 Frankston Speech Therapy Centre, Chandler House, Nepean Highway, Frankston
 Footscray Speech Therapy Centre, Suite 6, 168 Nicholson Street, Footscray
 291 Whitehorse Road, Ringwood

Department of Social Services

Coonac Rehabilitation Centre and Glen Waverley Rehabilitation Centre

Family Welfare Division

Allambie

Community Health Centres

Diamond Valley

Fawkner Park

Adult Deaf Society

Hearing Education and Rehabilitation Programme

Spastic Children's Society of Victoria

Dame Mary Herring Centre

Marathon Spastic Centre

Chelsea Spastic Centre

*Autistic Centre, Mentone**Mental Health Authority*

Kew Cottages

Travancore Centre

During training, visits of observation are arranged to:

Victorian School for Deaf Children, St. Kilda Road

National Acoustic Laboratory

Princess Elizabeth Kindergarten for the Deaf

Glendonald School for Deaf Children

Lady Gowrie Child Centre

Education Department State Schools

General Information

First Term	First Year 28 February-13 May
	Second, Third, and Fourth Years 7 March-13 May
Second Term	6 June-12 August
Third Term	5 September-21 October
Fourth Term	31 October-16 December

Clinical Block Placements

Year I	No clinical block placement
Year II	7 November-16 December 1977
Year III	No clinical block placement
Year IV	February 1977

Equipment

Students should own a white coat for use in certain hospital clinics and for use in the physiology laboratory. Years II-IV students will find it necessary to have a small amount of clinical equipment for use in clinical treatments. Approximately \$50 should be allowed for this.

Audiometric Examinations

These are required following selection and will be conducted by the School of Communication Disorders at Lincoln Institute. If an applicant suspects hearing loss, this should be investigated prior to application.

Avenues of Employment

Speech pathologists are employed by hospitals, education departments, special schools, mental health departments, and rehabilitation centres, whilst some clinicians practise privately. The School does not assume responsibility for placing of speech pathologists, but newly qualified clinicians will be advised of existing vacancies and application procedure.

Assessment

Details of assessment in each subject programme are available on the School noticeboard from the beginning of the academic year.

Course Outline

The provisions in the details of the number of lectures, tutorials, and practical sessions are included for general guidance only, and may be modified without notice.

First Year

Speech and Language Pathology and Audiology I
Linguistics I
Behavioural Sciences I
Medical Sciences I

Second Year

Speech and Language Pathology and Audiology II
Behavioural Sciences II
Medical Sciences II

Third Year

Speech and Language Pathology and Audiology III
Linguistics II
Behavioural Sciences III
Medical Sciences III

Fourth Year

Speech and Language Pathology and Audiology IV
Behavioural Sciences IV

Details of Syllabus: First Year

SPEECH AND LANGUAGE PATHOLOGY AND AUDIOLOGY I

(52 hours of lectures, 12 hours of observation visits at the Lady Gowrie Child Centre, and 26 hours of speech pathology tutorials)

There will be practical application in fourth term of the theories presented in the lecture stream, when students will carry out an independent project.

CD 1410 Development of Communication

(52 hours of lectures)

A study of developmental patterns and sequences in all areas of communication, particularly the normal development of language, articulation, voice, hearing, and rhythm. Development of communication as an integrated part of general development. The role of communication in interaction with the environment, from birth to adult life.

Reference Books

Britton, J., *Language and Learning*, Pelican, 1974.

Dale, P. S., *Language Development, Structure and Function*, Dryden, 1972.

Denes, P. B. and Pinson, E. N., *The Speech Chain*, Bell Telephone Laboratories, 1963.

Gesell, A., *The First Five Years of Life*, Hamilton, 1965.

Griffiths, R. S., *The Abilities of Babies*, University of London Press, 1967.

Illingworth, R. S., *The Normal Child*, Churchill, 1959.

Lenneberg, E. H., *New Directions in the Study of Language*, Massachusetts Institute of Technology, 1964.

Lewis, M. M., *How Children Learn to Speak*, Harrap, 1963.

McNeill, D., *The Acquisition of Language: The Study of Developmental Psycholinguistics*, Harper & Row, 1970.

Menyuk, P., *The Acquisition and Development of Language*, Massachusetts Institute of Technology, 1971.

Minifie, F. D., Hixon, T. J., and Williams, F., *Normal Aspects of Speech, Hearing, and Language*, Prentice-Hall, 1973.

Perkins, W. H., *Speech Pathology*, Mosby, 1971.

Winitz, H., *Articulatory Acquisition and Behaviour*, Appleton-Century-Crofts, 1969.

LINGUISTICS I

(52 hours of lectures and 52 hours of tutorials)

CD 1390 Phonetics

(26 hours of lectures, 26 hours of tutorials)

An introduction to phonetics, phonology, and morphology with emphasis on phonetic notation and articulatory description of English speech sounds.

Prescribed Texts

Denes, P. and Pinson, E., *The Speech Chain*, Bell Telephone Laboratories, 1963.

Ladefoged, P., *A Course in Phonetics*, Harcourt Brace Jovanovich, 1975.

CD 1391 Syntax

(26 hours of lectures, 26 hours of tutorials)

Introduction to syntax, including traditional, structural, and transformational approaches.

Reference Book

Langendoen, D. Terence, *Essentials of English Grammar*, Holt Rinehart and Winston, 1970.

BEHAVIOURAL SCIENCES I

(121 hours)

BS 1000 Introduction to the Behavioural Sciences

BS 1500 Research and Measurement in the Behavioural Sciences

See descriptive entries pp. 95 and 96.

MEDICAL SCIENCES I

(95 hours)

BL 1221 Human Morphology and Function

BL 1229 Human Morphology and Function Laboratory

See descriptive entries p. 108.

CD 1420 Anatomy for Speech and Hearing

(34 hours of lectures, 17 hours of tutorials)

Syllabus under review.

Details of Syllabus: Second Year

SPEECH AND LANGUAGE PATHOLOGY AND AUDIOLOGY II

(182 hours of lectures, 52 hours of speech pathology tutorials, 26 hours of speech pathology laboratories, 26 hours of speech pathology demonstrations, and 210 hours of clinical practicum)

CD 2310 Disorders of Language in Children

(26 hours of lectures)

A detailed study will be made of language development and factors affecting language development. Diagnosis, prognosis, and treatment of language disorders—together with training in observation, data collection, and report writing—will be presented.

Prescribed Texts

Bangs, T. E., *Language and Learning Disorders of the Pre-Academic Child*, Appleton-Century-Crofts, 1968.

Bereiter, C. and Englemann, S., *Teaching Disadvantaged Children in the Pre-School*, Prentice-Hall, 1966.

Berry, M. F., *Language Disorders of Children*, Appleton-Century-Crofts, 1969.

Bush, W. J. and Giles, M. J., *Aids to Psycholinguistic Teaching*, Merrill, 1969.

Eisenson, J., *Aphasia in Children*, Harper & Row, 1972.

Irwin, J. V. and Marge, M. (eds.), *Principles of Childhood Language Disabilities*, Appleton-Century-Crofts, 1972.

Reference Books

- Karnes, M. L., *Helping Young Children Develop Language Skills*, The Council of Exceptional Children, 1968.
- Menyuk, P., *The Acquisition and Development of Language*, Massachusetts Institute of Technology, 1971.
- Perkins, W. H., *Speech Pathology*, Mosby, 1971.
- Travis, L. E. (ed.), *Handbook of Speech Pathology*, 2nd edn., Owen, 1971.

CD 2430 Articulation Disorders

(26 hours of lectures)

A detailed study will be made of factors affecting phonological development. Diagnosis, prognosis, and treatment of articulation disorders, together with training in observation, data collection, and report writing, will be presented.

Prescribed Texts

- Darley, F. L., *Diagnosis and Appraisal of Communication Disorders* (Foundation of Speech Pathology Series), Prentice-Hall, 1964.
- Johnson, W., Darley, F. L. and Spriestersbach, D. C., *Diagnostic Methods in Speech Pathology*, Harper & Row, 1963.
- Winitz, H., *Articulatory Acquisition and Behavior*, Appleton-Century-Crofts, 1969.

Reference Books

- Carrell, J., *Disorders of Articulation* (Foundation of Speech Pathology Series), Prentice-Hall, 1964 (introductory reading).
- Travis, L. E. (ed.), *Handbook of Speech Pathology*, Appleton-Century-Crofts, 1971.
- Van Riper, C., *Voice and Articulation*, Pitman Medical, 1959.
- Young, E. and Hawk, S., *Moto-Kinesthetic Speech Training*, Stanford University Press, 1965.

CD 2320 Stuttering

(26 hours of lectures)

Theories of aetiology and treatment of stuttering and cluttering will be studied. Clinical observations and approaches to treatment of these disorders will be arranged.

Prescribed Texts

- Van Riper, C., *The Nature of Stuttering*, Prentice-Hall, 1971.
- Van Riper, C., *The Treatment of Stuttering*, Prentice-Hall, 1974.

Reference Books

- Eisenson, J. (ed.), *Stuttering: a Symposium*, Harper & Row, 1958.
- Emerick, L., *Therapy for Young Stutterers*, Illinois Interstate, 1970.
- Gregory, H. H., *Learning Theory and Stuttering Therapy*, Northwestern University Press, 1968.
- Luper, H. and Mulder, R., *Stuttering Therapy for Children*, Prentice-Hall, 1964.
- Perkins, W. H., *Speech Pathology*, Mosby, 1971.

- Robinson, R. B., *Introduction to Stuttering* (Foundation of Speech Pathology Series), Prentice-Hall, 1964.
 Sheehan, J. G., *Stuttering: Research and Therapy*, Harper & Row, 1970.
 Simpson, B. C., *Stuttering Therapy*, Illinois Interstate, 1966.
 Travis, L. E. (ed.), *Handbook of Speech Pathology*, Owen, 1971.

CD 2330 Disorders of Voice

(26 hours of lectures)

This subject will consist of a study of the mechanisms of normal and abnormal voice production. Aetiologies, symptomatologies, diagnostics, and treatment of disorders of voice will be discussed.

Prescribed Texts

- Boone, D. R., *The Voice and Voice Therapy*, Prentice-Hall, 1971.
 Moncur, J. and Brackett, I., *Modifying Vocal Behaviour*, Harper & Row, 1974.
 Wilson, D. K., *Voice Problems of Children*, Williams & Wilkins, 1972.
 Zemlin, W. R., *Speech and Hearing Science*, Prentice-Hall, 1968.

Reference Books

- Barbara, D. (ed.), *Psychological and Psychiatric Aspects of Speech and Hearing*, Thomas, 1960.
 Fairbanks, G., *Voice and Articulation Drill Book*, 2nd edn., Harper, 1960.
 Luchsinger, M. D. and Arnold, G. E., *Voice-Speech-Language*, Wadsworth, 1965.
 Moore, P., *Functional Voice Disorders*, Prentice-Hall, 1971.
 Murphy, A. T., *Functional Voice Disorders*, Prentice-Hall, 1964.
 Perkins, W. H., *Speech Pathology: An Applied Behavioral Science*, Mosby, 1971.
 Van Riper, C. and Irwin, J. V., *Voice and Articulation*, Pitman Medical, 1968.

CD 2440 Evaluation of Communication Disorders

(26 hours of lectures)

This subject will include a comprehensive study of the principles of diagnostics, case history taking, interviewing techniques, test construction, and administration and interpretation of tests related to disorders of communication. Observation and practical work will be required of the students.

Prescribed Texts

- Darley, F. L., *Diagnosis and Appraisal of Communication Disorders* (Foundation of Speech Pathology), Harper & Row, 1963.
 Emerick, L., *The Parent Interview*, Illinois Interstate, 1969.
 Johnson, W., Darley, F. L. and Spriestersbach, D. C., *Diagnostic Methods in Speech Pathology*, Harper & Row, 1963.
 Rogers, C. R., *Client-Centred Therapy*, Constable, 1951.

Reference Books

- Bernstein, L. and Dana, R. H., *Interviewing and the Health Professions*, Appleton-Century-Crofts, 1970.

- Cronbach, L. J., *Essentials of Psychological Testing*, 2nd edn., Harper & Row, 1964.
- Fenlason, A. F., Ferguson, G. B. and Abrahamson, A. C., *Essentials in Interviewing*, rev. edn., Harper & Row, 1962.
- Ferard, M. L. and Hunnybun, N. K., *The Caseworker's Use of Relationships*, (Mind and Medicine Monographs), Tavistock, 1962.
- Goldman, L., *Using Tests in Counselling*, Appleton-Century-Crofts, 1961.
- Rich, J., *Interviewing Children and Adolescents*, Macmillan, 1968.
- Sullivan, H. S., *The Psychiatric Interview*, Tavistock, 1955.

CD 2340 Clinical Methods

(26 hours of lectures)

This subject will consist of a study of principles and methods as related to clinical practicum. Additionally, clinical organisation and administration will be discussed.

CD 2380 Audiology

(26 hours of lectures)

A detailed study will be made of aetiologies of hearing losses. Audiometric testing, including pure tone, air, and bone, and speech testing will be included.

Prescribed Text

Newby, H. B., *Audiology*, 3rd edn., Appleton-Century-Crofts, 1972.

Reference Books

- Davis, H. and Silverman, S. R., *Hearing and Deafness*, 3rd edn., Holt Rinehart & Winston, 1970.
- Jerger, J. (ed.), *Modern Developments in Audiology*, Academic Press, 1973.
- Katz, J., *Handbook of Clinical Audiology*, Williams & Wilkins, 1972.
- O'Neill, J. and Oyer, H., *Applied Audiometry*, Dodd Mead, 1966.
- Rose, D. E. (ed.), *Audiological Assessment*, Prentice-Hall, 1971.
- Travis, L. E. (ed.), *Handbook of Speech Pathology*, Owen, 1971.

CD 2350 Clinical Practicum

(a) Speech Pathology

There is a six-week block placement at the end of the academic year. This serves as an introduction to the clinical setting and an adjunct to the theory studied during the year. Observations and participation will aid the integration and application of theoretical principles.

(b) Audiology

Students are required to complete a minimum of 35 practicum hours involving diagnostic and rehabilitative audiology by the end of their fourth year. During the second year students will be involved in audiometric screening throughout the year.

BEHAVIOURAL SCIENCES II

(130 hours)

BS 2100 Developmental Psychology I: Infancy**BS 2200 Developmental Psychology II: Childhood****BS 2300 Developmental Psychology III: Adolescence and Maturity****BS 2510 Data Analysis II: Correlation****BS 2520 Data Analysis III: Two-sample Designs****BS 2540 Measurement and Test Theory**

See descriptive entries pp. 98-100.

MEDICAL SCIENCES II

(39 hours of lectures and 13 hours of tutorials)

CD 2450 Neurology

(26 hours of lectures)

The subject consists basically of neurological case presentations, discussions, and seminars produced by students. Case presentations are used to illustrate principles of applied physiology, anatomy, and pathology. A wide spectrum of case material is presented to familiarise the students with the consequences of neurological disturbances at various levels within the neuraxis. The mechanism of production of specific symptoms and signs is discussed, as are principles of diagnosis and treatment. Students are encouraged to take an active part in the patient interview and in the subsequent discussion.

The seminars are presented by students from topics that cover the whole spectrum of neurological disorders. Again, both individual and group discussion of this material is encouraged.

Prescribed Text

Chusid, J. G., *Correlative Neuroanatomy and Functional Neurology*, 15th edn., Lange Medical, 1973.

Reference Book

Curtis, B. A., Jacobson, S. and Marcus, E. H., *An Introduction to the Neurosciences*, Saunders, 1972.

CD 2460 Paediatrics

(13 hours of lectures)

Basic understanding of the medical study and treatment of children. Development of the child. Stages in normal development, metabolism, chronic infections, and infectious diseases. Infections of the nose, larynx and ear, and endocrine glands in relation to speech.

Reference Book

Illingworth, R. S., *The Normal Child*, Churchill, 1959.

Details of Syllabus: Third Year

SPEECH AND LANGUAGE PATHOLOGY AND AUDIOLOGY III

(130 hours of lectures, 52 hours of speech pathology tutorials, 26 hours of speech pathology laboratories, 26 hours of speech pathology demonstrations, and 200 hours of clinical practicum)

CD 3310 Disorders of Communication of Neurological and Organic Origin

Unit 1: CD 3311 Aphasia and Apraxia

(26 hours of lectures)

This unit will consist of a study of language disorders in adults, such as aphasia, apraxia, and the agnosias.

Prescribed Texts

Luria, A. R., *The Working Brain: An Introduction to Neuropsychology*, Penguin, 1972.

Schuell, H. R., Jenkins, J. J. and Jimenez-Pabon, E., *Aphasia in Adults*, Hoeber Medical, Harper & Row, 1964.

Reference Books

Agranowitz, A. and McKeon, M. R., *Aphasia Handbook for Adults and Children*, Thomas, 1964.

Boone, D. R., *An Adult Has Aphasia*, Illinois Interstate, 1965.

Brown, J. W., *Aphasia, Apraxia and Agnosia*, Thomas, 1972.

De Reuck, A. V. S. and O'Connor, M. (eds.), *Disorders of Language*, Little Brown, 1964.

Goldstein, K., *Language and Language Disturbance*, Grune & Stratton, 1948.

Longerich, M. C., *Manual for the Aphasic Patient*, Macmillan, 1958.

Luria, A. R., *Traumatic Aphasia*, Mouton, 1970.

Luria, A. R., *Higher Cortical Functions in Man*, Basic Books, 1966.

Luria, A. R., *Restoration of Function After Brain Injury*, Pergamon, 1963.

Miller, E., *Clinical Neuropsychology*, Penguin, 1972.

Millikan, C. and Darley, F. L. (eds.), *Brain Mechanisms Underlying Speech and Language*, Grune & Stratton, 1967.

Osgood, C. E. and Miron, M. S., *Approaches to the Study of Aphasia*, University of Illinois Press, 1963.

Penfield, W. and Roberts, L., *Speech and Brain Mechanism*, Princeton University Press, 1959.

Sarno, M. T. (ed.), *Aphasia: Selected Readings*, Appleton-Century-Crofts, 1972.

Travis, L. E. (ed.), *Handbook of Speech Pathology*, Appleton-Century-Crofts, 1971.

Wepman, J. M., *Recovery from Aphasia*, Ronald Press, 1951.

Williams, M., *Brain Damage and the Mind*, Penguin, 1972.

Unit II: CD 3312 Dysarthria

(10 hours of lectures)

Study of neuromuscular speech problems associated with certain neurological disorders.

Reference Book

Darley, F. L., Aronson, A. E. and Brown, J. R., *Motor Speech Disorders*, Saunders, 1975.

CD 3480 Cerebral Palsy

(16 hours of lectures)

This subject will consist of a study of medical aspects of cerebral palsy. Detailed information on communicative disorders in cerebral palsy, their diagnosis, and treatment will also be discussed.

Prescribed Texts

Crickmay, M., *Speech Therapy and the Bobath Approach to Cerebral Palsy*, Thomas, 1966.

Mysak, E., *Neuroevolutional Approach to Cerebral Palsy and Speech*, Teachers College Press, Columbia University, 1968.

Reference Books

Blencowe, S. (ed.), *Cerebral Palsy and the Young Child*, Livingstone, 1969.

Daley, W. (ed.), *Speech and Language Therapy With the Cerebral Palsied Child*, Catholic University of America Press, 1965.

Denhoff, E., *Cerebral Palsy—The Pre-School Years*, Thomas, 1967.

Finnie, N., *Handling the Young Cerebral Palsied Child At Home*, Heinemann Medical, 1969.

Holt, K. S. and Reynell, J. K., *Assessment of Cerebral Palsy*, vol. 2, Lloyd-Luke, 1967.

Irwin, O., *Communication Variables of Cerebral Palsied and Mentally Retarded Children*, Thomas, 1972.

Keats, S., *Cerebral Palsy*, Thomas, 1965.

Le Gay Brereton, B. and Sattler, J., *Cerebral Palsy: Basic Abilities*, Halstead Press, 1967.

Loring, J. (ed.), *Assessment of the Cerebral Palsied Child for Education*, Heinemann, 1968.

McDonald, E. and Chance, B., *Cerebral Palsy*, Prentice-Hall, 1964.

Mecham, M., Berko, M., Berko, F. and Palmer, M., *Communication Training in Childhood Brain Damage*, Thomas, 1969.

Westlake, H. and Rutherford, D., *Speech Therapy for the Cerebral Palsied*, National Society for the Crippled Children and Adults, 1961.

CD 3470 Learning Disorders

(19 hours)

A basic foundation course of study into the problems of children and adults with learning disorders and the role and responsibilities of the speech pathologist as a member of a team of professionals working in this area. Modern techniques of diagnosis and management will be studied.

Prescribed Texts

Ayres, A. J., *Sensory Integration and Learning Disorders*, Western Psychological Services, 1972.

Kephart, M., *The Slow Learner in the Class Room*, Merrill, 1971.

Vallet, R., *Programming Learning Disabilities*, Fearon, 1973.

Waugh, K. W. and Bush, W. J., *Diagnosing Learning Disorders*, Merrill, 1971.

CD 3340 Clinical Methods

(26 hours of lectures)

This subject will consist of a study of principles and methods as related to clinical practicum. Additionally, clinical organisation and administration will be discussed.

CD 3380 Audiology

(26 hours of lectures, 26 hours of tutorials/practical study)

A further study in the aetiology of hearing losses, with appropriate audiometric testing procedures, will be presented. Students will be introduced to the study of rehabilitation procedures and community needs and services for the hard-of-hearing population. Practical sessions will be conducted in the above areas.

Prescribed Texts

Jeffers, J. and Barley, M., *Speechreading (Lipreading)*, Thomas, 1971.

Katz, J., *Handbook of Clinical Audiology*, Williams & Wilkins, 1972.

Sanders, D. A., *Aural Rehabilitation*, Prentice-Hall, 1971.

Reference Books

Griffith, J. (ed.), *Persons with Hearing Loss*, Thomas, 1969.

Hazard, E., *Lip Reading*, Thomas, 1971.

O'Neill, J. J. and Oyer, H. J., *Visual Communication for the Hard of Hearing*, Prentice-Hall, 1961.

Pengilly, P., *By Word of Mouth*, Southdown Press, 1971.

Pollack, D., *Educational Audiology for the Limited Hearing Infant*, Thomas, 1971.

John Tracy Correspondence Course for Parents of Pre-School Deaf Children, California, 1968.

CD 3350 Clinical Practicum

(a) Speech Pathology

A continuation of the clinical training to allow for the growth and development of skills required in the practical area. The planning and execution of diagnostics and treatments will be required.

(b) Audiology

Students are required to complete a minimum of 35 practicum hours involving diagnostic and rehabilitative audiology by the end of their fourth year. During the third year students will be involved in audiometric screening, diagnostics, and aural rehabilitation.

LINGUISTICS II

CD 3390 Psycholinguistics

(13 hours of lectures)

A psycholinguistic approach to language acquisition and the perception of language. Syntactic and semantic aspects of language will be discussed.

Reference Books

Selected journal articles.

BEHAVIOURAL SCIENCES III

(120 hours)

BS 3200 Abnormal Behaviour I: Theories and Therapies

BS 3300 Abnormal Behaviour II: Psychoneurological Aspects

BS 3900 Behavioural Science Seminars

BS 2700 Rehabilitation Psychology

BS 3550 Research Design Seminar

BS 2530 Data Analysis IV: Multisample Designs

See descriptive entries pp. 100-103.

MEDICAL SCIENCES III

(33 hours of lectures)

CD 3490 General Medicine

(7 hours of lectures)

Systematic approach to common health problems; behavioural and social aspects of organic illness in adults.

Prescribed Text

Students will be directed to relevant material during lectures.

CD 2450 Neurology

(26 hours of lectures)

The subject consists basically of neurological case presentations, discussions, and seminars produced by students. Case presentations are used to illustrate principles of applied physiology, anatomy, and pathology. A wide spectrum of case material is presented to familiarise the students with the consequences of neurological disturbances at various levels within the neuraxis. The mechanism of production of specific symptoms and signs is discussed, as are principles of diagnosis and treatment. Students are encouraged to take an active part in the patient interview and in the subsequent discussion.

The seminars are presented by students from topics that cover the whole spectrum of neurological disorders. Again, both individual and group discussion of this material is encouraged.

Prescribed Text

Chusid, J. G., *Correlative Neuroanatomy and Functional Neurology*, 15th edn., Lange Medical, 1973.

Reference Book

Curtis, B. A., Jacobson, S. and Marcus, E. H., *An Introduction to the Neurosciences*, Saunders, 1972.

Details of Syllabus: Fourth Year

SPEECH AND LANGUAGE PATHOLOGY AND AUDIOLOGY IV

(156 hours of lectures, 26 hours of tutorials, 26 hours of demonstrations, 26 hours of laboratory study, and 322 hours of clinical practicum)

CD 4320 Stuttering

(19 hours)

Major approaches to stuttering—their rationale and implications for diagnosis and treatment. Therapeutic techniques, counselling, and objective assessment procedures. Group and individual treatment with children and adults.

Prescribed Texts

Van Riper, C., *The Nature of Stuttering*, Prentice-Hall, 1971.

Van Riper, C., *The Treatment of Stuttering*, Prentice-Hall, 1974.

Reference Books

Beech, H. R. and Fransella, F., *Research and Experiment in Stuttering*, Pergamon, 1968.

Bloodstein, D., *A Handbook on Stuttering*, National Easter Seal Society, 1969.

Eisenson, J. (ed.), *Stuttering: A Symposium*, Harper & Row, 1958.

Gregory, H. H., *Learning Theory and Stuttering Therapy*, Northwestern University Press, 1968.

Luper, H. and Mulder, R., *Stuttering Therapy for Children*, Prentice-Hall, 1964.

Perkins, W. H., *Speech Pathology*, Mosby, 1971.

Simpson, B. C., *Stuttering Therapy*, Illinois Interstate, 1966.

CD 4310 Disorders of Language

(19 hours)

The general purpose of this subject is to present a survey of the research and clinical management procedures in the field of language disturbance in children and adults. Students may elect to study either child or adult language. The subject will attempt to focus on that body of research which seems most pertinent in the light of recent developments in this field. Students will be encouraged to develop language therapy programmes and diagnostic test batteries and to utilise videotape recording procedures.

Reference Books

Students will be directed to current research journal articles and to other relevant material.

CD 4330 Disorders of Voice

(19 hours)

This subject will consist of a study of the diagnosis and treatment of the laryngectomized patient. A detailed study of techniques and methods for the treatment of voice disorders will be made. Students will also be directed to pertinent areas of research in voice disorders.

Prescribed Texts

Cooper, M., *Modern Techniques of Vocal Rehabilitation*, Thomas, 1973.
 Gardner, W. H., *Laryngectomy Speech and Rehabilitation*, Thomas, 1971.

Reference Books

Diedrich, W. M. and Youngstrom, K. A., *Alaryngeal Speech*, Thomas, 1966.
 Rigrodsky, S., Lerman, J. and Harrison, E., *Therapy for the Laryngectomized Patient*, Teachers College Press, Columbia University, 1971.
 Snidecor, J., *Speech Rehabilitation of the Laryngectomized*, Thomas, 1969.

CD 3470 Learning Disorders

(19 hours)

A basic foundation course of study into the problems of children and adults with learning disorders and the role and responsibilities of the speech pathologist as a member of a team of professionals working in this area. Modern techniques of diagnosis and management will be studied.

Prescribed Texts

Ayres, A. J., *Sensory Integration and Learning Disorders*, Western Psychological Services, 1972.
 Kephart, M., *The Slow Learner in the Class Room*, Merrill, 1971.
 Vallet, R., *Programming Learning Disabilities*, Fearon, 1973.
 Waugh, K. W. and Bush, W. J., *Diagnosing Learning Disorders*, Merrill, 1971.

CD 4340 Principles and Techniques of Supervision

(19 hours)

This subject will present the theories and techniques of supervision and their clinical application, which will prepare students for later work as clinician supervisors of speech pathology students.

Prescribed Texts

Argyle, M., *The Psychology of Interpersonal Behaviour*, Penguin, 1967.
 Mager, R. F., *Preparing Instructional Objectives*, Fearon, 1962.
 Popham, W. J. and Baker, E. L., *Systematic Instruction*, Prentice-Hall, 1970.

Reference Book

Pace, R. W. and Boren, R., *The Human Transaction*, Scott Foresman, 1973.

Elective**CD 4520 Recent Developments in Speech Pathology**

(13 hours)

This subject will focus on areas of professional interest and controversy. Some areas for discussion will be accountability, administration and

organisations, ethics, health assistants, and prevention programmes. Study methods will consist of small groups researching a specific topic, with seminar presentations.

Reference Books

Students will be directed to current research journal articles and to other relevant material.

or

CD 4390 Application of Linguistics to Speech and Language Pathology

(13 hours)

A study of linguistic principles as applied to the diagnosis and treatment of articulation, language, fluency, and voice disorders in both children and adults.

Reference Books

Students will be directed to current research journal articles and to other relevant material.

CD 4380 Audiology

(19 hours)

This subject will further attempt to clarify the theoretical and procedural aspects of basic measurement techniques used in clinical audiology. Emphasis will be placed on the role of the speech pathologist in the management of young children with hearing loss, and a further study will be made of principles of hearing education and aural rehabilitation for the hard-of-hearing adult.

Prescribed Text

Katz, J., *Handbook of Clinical Audiology*, Williams & Wilkins, 1972.

Reference Books

Berger, K. W., *Speech Reading Principles and Methods*, National Educational Press, 1972.

Boothroyd, A. (ed.), *Auditory Training Handbook* (Curriculum Series), Clarke School for the Deaf, 1971.

Griffith, J. (ed.), *Persons with Hearing Loss*, Thomas, 1969.

Jerger, J. (ed.), *Modern Development in Audiology*, Academic Press, 1973.

Northern, J. L. and Downs, M. P., *Hearing in Children*, Williams & Wilkins, 1974.

Pollack, D., *Educational Audiology for The Limited Hearing Infant*, Thomas, 1971.

Sanders, D. A., *Aural Rehabilitation*, Prentice-Hall, 1971.

Stark, R. E. (ed.), *Sensory Capabilities of Hearing-Impaired Children*, University Park Press, 1974.

John Tracy Correspondence Course for Parents of Pre-School Deaf Children, California, 1968.

CD 4540 Independent Project

Students work independently in the preparation of a project on a speech and/or language pathology topic of their own choosing.

or

BS 3700 Independent Research Project

See below.

CD 4350 Clinical Practicum

(a) Speech Pathology

A four-week block placement at the commencement of the year allows the student to gain a longitudinal view of a patient's treatment and to study the organisational patterns of the clinic. Experience will be given in as wide a field as possible under supervision, so that the student will have developed skills in all areas.

(b) Audiology

Students are required to complete a minimum of 35 practicum hours involving diagnostic and rehabilitative audiology by the end of their fourth year. During the fourth year, students will be involved in audiometric screening, diagnostics, and aural rehabilitation.

BEHAVIOURAL SCIENCES IV

(60 hours)

BS 3700 Independent Research Project

The project will be in the area of communication disorders, and topics must be approved by the School of Communication Disorders and the Head of the Department of Behavioural Sciences.

or

CD 4540 Independent Research Project

See above.

BS 2800 Counselling Skills

BS 3900 Behavioural Science Seminars

BS 2550 Survey and Interview Techniques

See descriptive entries pp. 100, 101, 103.

School of Medical Record Administration

Introduction to Medical Record Administration

A medical record is a complete, accurate, and permanent documentation of medical findings and observations concerning a patient's health, illness, or injury. It includes a chronological account of professional care given to the individual and the progress of his condition. Such data is used for accurate diagnosis and treatment of present and future illnesses.

Medical records are also used to evaluate care, identify disease trends, provide communication among health professionals contributing to patient care, assist in protecting the legal interest of the patient, health care facility, and members of the health care team, and provide clinical data for research, study, and education.

Medical record administration is a career in the organising of the information which forms a person's medical record and the management of the patient information system in a hospital or other health care delivery setting.

In the management role, the medical record administrator's duties involve frequent contact with the health care facility's medical staff, all other health care professionals, and the administration. In the performance of administrative duties the medical record administrator designs and implements patient information systems, improves existing systems, and supervises the department's day to day functions. Medical record professionals also work in the specialised areas of medical research, statistics, electronic data processing of patient data, and consultancy.

Admission Requirements

Medical Record Administration is a full-time course of two years' duration which is open both to men and women. Applicants must have reached 18 years of age by 31 March of first year of studies and have successfully completed their sixth-form education, which should include a pass in one of the following subjects: Biology, Chemistry, Physics, Mathematics (any one branch). Ability to type is desirable.

Award

An Associate Diploma in Medical Record Administration is awarded by Lincoln Institute to students on successful completion of the course. Registration with the Victorian Medical Record Association is obligatory on completion of the course.

*Term Dates**First Year*

28 Feb.-29 April	(9 weeks)	Theory
2 May-6 May	(1 week)	Directed Practice—Orientation Week
9 May-13 May	(1 week)	Theory
6 June-12 August	(10 weeks)	Theory with exception of all Tuesdays, Wednesdays, and Thursdays in <i>last</i> 4 weeks of term on Directed Practice placement
29 Aug.-21 Oct.	(8 weeks)	Theory with exception of all Tuesdays, Wednesdays, and Thursdays in <i>first</i> 4 weeks of term on Directed Practice placement

Second Year

1 Feb.-4 Feb.	(4 days)	Theory
7 Feb.-11 March	(5 weeks)	D.P.P. (Directed Practice Programme)
15 March-13 May	(9 weeks)	Theory
6 June-15 July	(6 weeks)	D.P.P.
19 July-12 Aug.	(4 weeks)	Theory
5 Sept.-7 Oct.	(5 weeks)	D.P.P.
10 Oct.-21 Oct.	(2 weeks)	Theory

Assessment

Several techniques are used including essays, short answer tests, objective tests, assignments, practical and oral assessments.

Course Outline

The provisions in the details of the number of lectures, tutorials, and practical sessions are included for general guidance only, and may be modified without notice.

First Year

Medical Record Management I
 Medical Ethics and Law
 Fundamentals of Medicine and Surgery I
 Human Biology
 Disease/Operation Classifications I
 Statistics I
 Introduction to the Behavioural Sciences

Second Year

Principles of Administration
 Medical Record Management II
 Disease/Operation Classifications II
 Fundamentals of Medicine and Surgery II
 Pharmacology
 Medical Information Processing
 Health Care Services
 Personnel Management

Details of Syllabus: First Year

MR 1400 MEDICAL RECORD MANAGEMENT I

(150 hours)

A study of the structure of the Australian health care system; the role of the medical record administrator in specific areas within the system; and the detailed organisation and management of a medical record department within a variety of health care institutions/services.

Prescribed Texts

Australian Council on Hospital Standards, *Accreditation Guide*, 1976.
Huffman, E. K., *Medical Record Management*, Physicians Record Co., 1972.

Reference Books

- Acheson, E. D., *Medical Record Linkage*, Oxford University Press, 1967.
Acheson, E. D. (ed.), *Record Linkage in Medicine*, Oxford University Press, 1968.
American Hospital Association, *Medical Record Departments in Hospitals: Guide to Organization*, A.H.A., 1972.
American Medical Record Association, *Organizing Health Records*, A.M.R.A., 1973.
A Report on Hospitals in Australia, Hospitals and Health Services Commission, Australian Government Publishing Service, 1974.
A Report of the Committee of Inquiry into Hospital and Health Services in Victoria, Victorian Government Printer, 1975.
Clark, V. V. (ed.), *Outpatient Services Journal Articles*, 1st edn., Medical Examination Publishing, 1970.
Clark, V. V. (ed.), *Outpatient Services Journal Articles*, 2nd edn., Medical Examination Publishing, 1973.
Currie, R. M., *Work Study*, B.I.M., 1972.
Driggs, M. F., *Problem Directed and Medical Information Systems*, Intercontinental Book Corp., 1973.
Medical Record Systems in Primary Health Care in Australia, Report from a seminar held in Canberra organised by the Royal Australian College of General Practitioners, 1974.
Raus, E. and Raus, M., *Manual of History Taking, Physical Examination and Record Taking*, Lippincott, 1974.
Small, I. F., *Introduction to the Clinical History*, Medical Examination Publishing, 1971.

MR 1410 MEDICAL ETHICS AND LAW

(20 hours)

A study of ethical and legal responsibilities as related to health care institutions.

Prescribed Texts

- Burton, A. W., *Medical Ethics and the Law*, 2nd edn., Australasian Medical, 1974.
Derham, D. P., *An Introduction to Law*, Law Book Company, 1974.
Australian Medical Association Code of Ethics, A.M.A., Sydney, 1969.

Reference Books

- Brett, P. and McCallum, N. E. W., *Lecture Notes on Forensic Medicine*, Melbourne University Press, 1972.
- Martin, C. R. A., *Law Relating to Medical Practice*, Pitman Medical, 1973.
- Miller, A., *The Assault on Privacy*, University of Michigan Press, 1971.
- Speller, S. R., *Law Relating to Hospitals and Kindred Institutions*, Lewis, 1971.
- Walker, K. M., *Coronial Law and Practice in New South Wales*, Law Book Company, 1973.
- Westin, A. F. and Baker, M. A., *Databanks in a Free Society—Computers, Record Keeping and Privacy*, Quadrangle, 1972.
- Report of the Law Revision Commission Sub-Committee on Computer Data Banks and Privacy*, New Zealand Government Printer, 1973.
- Report of the Committee on Privacy*, H.M. Stationery Office, London, 1972.
- Report of a Task Force established jointly by Dept. of Communications/Dept. of Justice, Canada, *Privacy and Computers*, Information Canada, 1974.

MR 1420 FUNDAMENTALS OF MEDICINE AND SURGERY I

(90 hours)

This aims to help the student develop the ability to read and understand the language of medicine in order to communicate effectively with medical and allied health personnel, and to apply accurately knowledge of disease processes where necessary in daily departmental activities.

Prescribed Texts

- Dorland's Pocket Medical Dictionary.
- Frenay, Sr. Agnes Claire, *Understanding Medical Terminology*, Catholic Hospital Association, 1973.
- Victorian Association for Medical Record Librarians, *Clinical Abbreviations for Hospital Use*, Victorian Hospitals' Association, 1973.

Reference Book

- Taylor, S. and Cotton, L., *A Short Textbook of Surgery*, 3rd edn., English University Press, 1974.

BL 1211 HUMAN BIOLOGY

(50 hours)

See descriptive entry p. 107.

MR 1430 DISEASE/OPERATION CLASSIFICATIONS I

(150 hours)

An introduction to statistical classification techniques used in health care institutions.

Prescribed Texts

- American Medical Association, *Standard Nomenclature of Diseases and Operations*, McGraw-Hill, 1961.

- Commission on Professional and Hospital Activities, *Hospital Adaptation of I.C.D.A.*, vols. 1 and 2, 2nd edn., C.P.H.A., 1973.
- Commonwealth Department of Health, *Code of Surgical Operations*, C.B.C.S., 1968.
- World Health Organization, *Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death*, vols. 1 and 2, W.H.O., 1969.

Reference Books

- American Medical Association, *Current Medical Information and Terminology*, American Medical Association, 1971.
- College of American Pathologists, *Systematized Nomenclature of Pathology*, C.A.P., 1965.
- R.C.O.G. Tables and other specialist tables.

MR 1440 STATISTICS I

(70 hours)

An introduction to terms and methods commonly employed in the analysis and presentation of data and, in particular, medical data. Students are given an appreciation of the scope, logic, and techniques of statistical methods as applied to the health field.

Prescribed Texts

- Chase, C. I., *Elementary Statistical Procedures*, McGraw-Hill, 1967.
- Huffman, E. K., *Medical Record Management*, Physicians' Record Company, 1972.

Reference Books

- Bourke, G. J. and McGilvray, J., *Interpretation and Uses of Medical Statistics*, Blackwell Scientific Publications, 2nd edn., 1975.
- Hill, A. B., *Principles of Medical Statistics*, Lancet, 1971.
- Lancaster, H. O., *An Introduction to Medical Statistics*, Wiley, 1974.

BS 1000 INTRODUCTION TO THE BEHAVIOURAL SCIENCES

(81 hours)

See descriptive entry p. 95.

DIRECTED PRACTICE PROGRAMME

(232 hours)

Aims

To develop an appreciation of the scope of a medical record administrator; to develop a knowledge of the roles of the medical record administrator and other categories of staff working in the Medical Record Department; to develop insight, understanding, and skill in the procedures of a Medical Record Department and an appreciation of staff interrelations.

Format

- Orientation Week—one week in first term at a metropolitan hospital.
- Second Term—12 days at a metropolitan hospital.
- Third Term—12 days at a metropolitan hospital.

Typing Requirement

(approximately 40 hours)

This requirement is completed outside normal lecture hours. A typing room is set up for this purpose. Students copy type and transcribe medical dictation from cassette tapes. This requirement develops students' typing skills and assists in the reinforcement of medical terminology, and introduces them to medical dictating systems.

Details of Syllabus: Second Year**MR 2550 PRINCIPLES OF ADMINISTRATION**

(30 hours)

Current theories, concepts, and the elementary techniques of management are discussed, and the practice of administration in hospitals and other health care institutions is set forth in broad concepts and specific details.

Prescribed Text

Byrt, W. J. and Masters P. R., *The Australian Manager*, Sun Books, 1974.

Reference Books

Byrt, W. J., *People and Organizations*, McGraw-Hill, 1971.

Byrt, W. J., *Theories of Organizations*, McGraw-Hill, 1973.

Etzioni, A., *Modern Organizations*, Prentice-Hall, 1964.

Massie, J. L., *Essentials of Management*, Prentice-Hall, 1971.

Yuill, B., *Organisation and Management*, West Publishing, 1973.

MR 2500 MEDICAL RECORD MANAGEMENT II

(36 hours)

This subject is divided into five units: Primary Health Care Programmes, Hospital Accreditation, Problem-Oriented Medical Records, Forms Design and Procedure Manuals.

Reference Books

Bjorn, J. C., *Problem Oriented Practice*, McGraw-Hill, 1970.

Driggs, M. F., *Problem-Directed and Medical Information Systems*, Intercontinental Medical Book Corporation, 1973.

Easton, R. E., *Problem Oriented Medical Record Concepts*, Appleton-Century-Crofts, 1974.

Ryback, R. S., *The Problem Oriented Record in Psychiatry and Mental Health Care*, Grune & Stratton, 1974.

Weed, L., *Medical Records, Medical Education, and Patient Care*, Press of Case Western Reserve University, 1969.

Weed, L., *Your Health Care and How to Manage It*, Essex Publishing, 1975.

Weed, L., "Medical Records That Guide and Teach", *New England Journal of Medicine*, 1968, 278, 11, 12, Mar. 14, 21, pp. 593-599; 652-657.

Organising Health Records—An Instructional Guide, American Medical Record Association, 1973.

The Accreditation Guide, Australian Council on Hospital Standards, 1976.

Medical Record Systems in Primary Health Care in Australia, Australian Government Publishing Service, 1974.

Additional reading list distributed at beginning of each unit.

MR 2530 DISEASE/OPERATION CLASSIFICATIONS II

(50 hours)

Designed to extend the student's knowledge of coding gained in Disease/Operation Classifications I, to give him/her an indepth appreciation of all the techniques with emphasis on practical application of individual systems in health care institutions of varying size.

Prescribed Texts

As for Disease/Operation Classifications I.

MR 2520 FUNDAMENTALS OF MEDICINE AND SURGERY II

(80 hours)

An integration and extension of previous studies in Fundamentals of Medicine and Surgery I. Disease conditions and surgical procedures of the specialties are examined in depth. Particular attention is given to pathology, as well as relating diseases to common laboratory and radiological examinations.

Prescribed Texts

Davidson, S. and Macleod, J., *The Principles and Practice of Medicine*, 10th edn., Churchill Livingstone, 1972.

Evans, D. M. D., *Special Tests and Their Meanings*, Faber & Faber, 1971.

Reference Books

Dunphy, J. E. and Way, L. W., *Current Surgical Diagnosis and Treatment*, Lange Medical, 1975.

Krupp, M. A. and Chatton, M. J., *Current Medical Diagnosis and Treatment*, Lange Medical, 1976.

MR 2560 PHARMACOLOGY

(12 hours)

A study of basic pharmacology to familiarise students with the more commonly used, currently prescribed drugs and the laws relating to drug handling.

Prescribed Text

Piper, D. W. (ed.), *Introductory Pharmacology and Therapeutics*, McGraw-Hill, 1973.

MR 2590 MEDICAL INFORMATION PROCESSING

(50 hours)

This subject is designed to extend the students' knowledge in information handling and give them a broader understanding of automated data

processing and statistical information systems available on a local and international level.

Projects

1. Writing a sample programme.
2. Coding/abstracting project utilising Monash Computer Study Group facilities; project extends throughout 3 terms.

Prescribed Text

Coles, E., *A Guide to Medical Computing*, Butterworths, 1973.

Reference Books

- Abrams, M. E., *Medical Computing*, British Computer Company, 1970.
 Acheson, E. D., *Medical Record Linkage*, Oxford University Press, 1967.
 Anderson, J. and Forsythe, J., *Information Processing of Medical Records*, North-Holland Publishing, 1970.
 Collen, M. F., *Hospital Computer Systems*, Wiley, 1974.
 Gabrielli, E. R., *Computerization of Clinical Records*, vol. 1, Grune & Stratton, 1970.
 Payne, L. C. and Brown, P. T., *An Introduction to Medical Automation*, 2nd edn., Whitefriars Press, 1974.
 Shires, D. B., *Computer Technology in the Health Sciences*, Thomas, 1974.
 Smith, A., *The Science of Social Medicine*, The Garden City Press, 1968.

MR 2570 HEALTH CARE SERVICES

(50 hours)

This subject, through student seminars, examines the structure of health care services on an Australian and international level. Ancillary organisations are also explored. Problems in health care are defined and evaluated, and possible solutions are discussed on a broad basis.

Prescribed Text

Dewdney, J. C. H., *Australian Health Services*, Wiley, 1973.

Reference Books

- A Report on Hospitals in Australia*, Hospitals and Health Services Commission, 1974.
Australian Hospitals and Health Services Yearbook, 1975-1976.
 Fry, J. and Farnfale, W. A. J. (eds.), *International Medical Care*, Medical and Technical Publishing, 1972.
 Sax, S., *Medical Care in the Melting Pot*, Angus & Robertson, 1972.

MR 2580 PERSONNEL MANAGEMENT

(100 hours)

Designed to equip the student to deal effectively with the human problems of health care institutions as business organisations, the impact of technology, union-management relationships, and the skills of face-to-face supervision.

Prescribed Texts

Haney, W. V., *Communication and Organizational Behaviour*, Irwin, 1973.

Strauss, G. and Sayles, L. R., *Personnel: The Human Problems of Management*, Prentice-Hall, 1972.

Reference Books

Berne, E., *Games People Play: The Psychology of Human Relationships*, Penguin, 1969.

Brown, J. A. C., *The Social Psychology of Industry*, Penguin, 1965.

Hertzberg, F., *Work and the Nature of Man*, Staples Press, 1966.

Likert, R., *The Human Organization*, McGraw-Hill, 1967.

Lupton, T., *Management and the Social Sciences*, Penguin, 1971.

DIRECTED PRACTICE PROGRAMME

Approximately 680 hours are devoted to application of the theories of medical record administration in the actual working situation. Through this experience the students develop insight, understanding, and skill in medical record procedures; develop administrative skills; develop personnel management skills; recognise the contribution of and learn to work with other members of the health team.

Over 30 hospitals and health care institutions in Victoria, A.C.T., and Northern Territory participate in the programme and the students work directly under the supervision of the Chief Medical Record Administrator.

School of Occupational Therapy

Introduction to Occupational Therapy

Occupation, through involvement in tasks, activities, or employment, is fundamental to man's continuing development and achievement throughout his total life span. Occupational therapy, through the use of therapeutic occupation or media, assists people to regain lost function and to develop their existing or potential abilities. They are then better able to cope with those areas of their lives which may have been disrupted by factors such as accident, illness, or developmental deficits.

The term "media" encompasses a wide spectrum of skilfully selected, graded, and controlled activities which are employed to achieve a precise therapeutic result. This range may include everyday activities such as eating, dressing, and personal care, creative activities, specific work related tasks, activities involving social and interpersonal relationships and/or recreational pursuits.

Occupational therapists utilise their professional skills to ascertain, in close association with the patient or client, particular areas of need, e.g. physical, emotional, vocational, or social. They devise media-related programmes which will operate on these needs, thus enabling people to achieve not only a greater degree of function, but also to lead a life which is perceived as having direction and purpose.

Course of Study

Occupational Therapy is a full-time degree course. There is no provision for part-time students.

Award

A degree in applied science, Bachelor of Applied Science (Occupational Therapy), is awarded by the Victoria Institute of Colleges to students on successful completion of the course. The School is recognised by the World Federation of Occupational Therapists, and graduates may apply for membership of the Victorian Association of Occupational Therapists which, with other state organisations, forms the Australian Association of Occupational Therapists.

Lectures and Clinical Education

Lectures are held at Lincoln Institute and at the University of Melbourne. Clinical education is undertaken at selected teaching hospitals.

*Term Dates**First Year*

First Term	28 February-13 May
Clinical Orientation I	16 May-27 May
Second Term	13 June-12 August
Third Term	5 September-21 October
Assessment	31 October-11 November
Community Involvement	14 November-18 November

Second Year

Clinical Orientation II	7 February-18 February
First Term	21 February-13 May
Second Term	6 June-12 August
Third Term	5 September-21 October
Assessment	31 October-11 November

Third Year

First Term	7 February-13 May
Clinical Placement 1	30 May-29 July
Clinical Placement 2	8 August-7 October
Clinical Placement 3	17 October-16 December

Fourth Year

Clinical Placement 4	21 February-29 April
Elective	23 May-27 May
Term (final)	30 May-29 July

Uniforms and Equipment

Students are required to have a prescribed uniform for hospital clinics and clinical education placements. Prescribed work-coats and safety glasses are also required, and full information covering all these items will be given in the first week of the course. A half set of bones is required for first-year Anatomy. These can usually be purchased from the students of the preceding year.

Avenues of Employment

Occupational therapists form part of the health team in all main general hospitals, rehabilitation centres, sheltered workshops, psychiatric clinics and hospitals, and special centres for children and elderly people. Occupational therapists are also becoming increasingly involved in the development of community health services and are being called upon to act as consultants and co-ordinators in specialised aspects of community care.

Bursaries and Cadetships

A limited number of bursaries is available from country hospitals. Preference will be given to country students, and applicants themselves should contact the hospital in their chosen area. Students who apply to country hospitals will be required to have an interview at the hospital. If an applicant is accepted by the School and is deemed to be the most suitable applicant by the hospital, he or she will be awarded the bursary.

Students who accept a bursary are usually bonded to the sponsoring hospital at the completion of the course for two years.

Victorian country and Tasmanian hospitals which have awarded bursaries in the past include:

Alexander Home and Hospital for the Aged, Castlemaine
 Ballarat and District Base Hospital, Ballarat
 Bendigo and Northern District Base Hospital, Bendigo
 Bendigo Home and Hospital for the Aged, Bendigo
 Central Gippsland Hospital, Traralgon
 Echuca District Hospital, Echuca
 Gippsland Base Hospital, Sale
 Hamilton Base Hospital, Hamilton
 Latrobe Valley Community Hospital, Moe
 Launceston General Hospital, Launceston
 Mersey General Hospital, Latrobe
 Mildura Base Hospital, Mildura
 Mooroopna and District Base Hospital, Mooroopna
 Nhill Hospital, Nhill
 North Western General Hospital, Burnie
 Ovens and Murray Home, Beechworth
 Queen Elizabeth Home and Hospital for the Aged, Ballarat
 Royal Hobart Hospital, Hobart
 St. Giles Home, Society for Crippled Children, Launceston
 St. John's Park Hospital, Newtown, Tasmania
 Stawell District Hospital, Stawell
 Wangaratta District Base Hospital, Wangaratta
 Warrnambool and District Base Hospital, Warrnambool
 West Gippsland Base Hospital, Warragul
 Wimmera Base Hospital, Horsham
 Wodonga District Hospital, Wodonga

The Mental Health Authority also offers cadetships, usually to second-year/third-year students, and these are awarded on course results. They carry a bond equal to the period of sponsorship by the Authority.

Assessment

Student performance is assessed through a variety of methods such as examinations, assignments, practical work. Details of assessment in each subject area are available on the School notice boards from the beginning of the academic year.

Course Outline

Details concerning the number of lectures, tutorials, and practical sessions are given for guidance only. (Only prescribed textbooks and some recommended reference books are listed. Detailed textbook lists and reading guides for all subjects are made available to students during the course.)

First Year

Occupational Therapy I
 Ergonomics, Technology, and Therapeutic Media I

Anatomy—Pure and Applied
 Physiology I
 Behavioural Sciences I
 Clinical Education I

Second Year

Occupational Therapy II
 Ergonomics, Technology, and Therapeutic Media II
 Behavioural Sciences II
 Neurosciences
 Clinical Medicine
 Clinical Psychiatry I
 Clinical Education II

Third Year

Occupational Therapy III
 Ergonomics, Technology, and Therapeutic Media III
 Behavioural Sciences III
 Clinical Education III

Fourth Year

Occupational Therapy IV
 Ergonomics, Technology, and Therapeutic Media IV
 Behavioural Sciences IV
 Clinical Psychiatry II
 Clinical Education IV

Details of Syllabus: First Year

OT 1500 OCCUPATIONAL THERAPY I

(195 hours of lectures, practical classes, tutorials, and community involvement)

Outline:

- (a) An appreciation of the interrelationship between people and the environment in which they function, and the factors affecting their performance in various settings.
- (b) An exploration of the potential of creative and expressive media as the basis for the practice of occupational therapy.
- (c) An introduction to the basic principles of occupational therapy and the general and specific therapeutic skills and techniques utilised by occupational therapists.

Particular emphasis is given within the subject to the following areas.

OT 1510 Basic Principles and Practice of Occupational Therapy

(72 hours)

Introduction to the rationale and scope of occupational therapy and its contribution to health care. Examination of psychological implications of disability and illness and the concept of rehabilitation. Introduction to personal and professional therapeutic skills. Development of skills in activity evaluation, organisation, and presentation. Clinical orientation preparation—professional ethics and responsibilities, communication, etc.

OT 1511 Activities of Daily Living (A.D.L.)

(30 hours)

(a) Introduction to selected daily living skills and an analysis of their specific performance demands on the individual. (b) Examination of selected aspects of human disability and disadvantage and the relative effects of this on the performance of daily living skills. (c) Introduction to the use of alternative techniques and environmental adaptations to achieve and maintain maximum personal independence.

OT 1512 Recreational Activities

(18 hours)

(a) Introduction to relevance and value of recreation within human lifestyles. (b) Development of (i) evaluative, and (ii) organisational skills related to recreational activities and programmes. (c) Exploration of recreational activities in terms of potential as therapeutic media. (d) Examination of selected community recreational facilities in terms of access and availability to the disabled.

OT 1513 Community Involvement

(35 hours)

During a one-week period at the end of first year, students work in a voluntary capacity in a community organisation to increase sensitivity to human need situations.

OT 1520 Child Studies I

(40 hours)

Comprising: introduction to normal development, sensory-motor development, longitudinal child observation. This unit examines physical (motor) and behavioural aspects of normal child development, with particular reference to the sequence and interrelationship of all areas of development. Emphasis is given to acquiring observational skills, and to the relevance of a knowledge of normal child development to occupational therapy assessment and treatment of the disabled or disadvantaged child.

Prescribed Texts

Miller, B. F. and Keane, C. B., *Encyclopaedia and Dictionary of Medicine and Nursing*, Saunders, 1972.

Purtillo, R., *The Allied Health Professional and the Patient—Techniques of Effective Interaction*, Saunders, 1973.

Sheridan, M. D., *Children's Developmental Progress from Birth to Five Years—The Stycar Sequences*, 3rd edn., NFER, 1975.

O.T. School publications.

OT 1600 ERGONOMICS, TECHNOLOGY, AND THERAPEUTIC MEDIA I

(110 hours of lectures, practical classes, industrial visits, and tutorials)
The first year of E.T.T.M. introduces the student to basic studies and approaches that will be continually integrated and enlarged upon during the Occupational Therapy course. Subject matter is covered in lectures, small-group sessions, practical sessions, investigations within Lincoln

Institute, and visits to nearby industrial settings and occupational therapy departments.

OT 1610 Ergonomics I

An introduction to the place and scope of ergonomic studies in occupational therapy.

OT 1620 Technology I

(18 hours)

This unit introduces students to some areas of basic technology relevant to the practice of occupational therapy. Topics covered include material science, audiovisual equipment and its operation, and technical drawing.

OT 1630 General Safety I

(4 hours)

This unit considers the "accident" and safe practice in occupational therapy departments. Simple first-aid procedures and fire-rescue methods.

OT 1640 Industrial Practice I

(4 hours)

This unit outlines factors of employment. A worksite visit is arranged for observation of operational conditions.

OT 1660 Therapeutic Media I

(80 hours)

This unit introduces students to selected media studies related to occupational therapy, e.g., typing, basic woodwork, and material studies.

Prescribed Texts

Grandjean, E., *Ergonomics of the Home*, Taylor & Francis, 1973.

Standards Association of Australia, publications to be advised.

O.T. School publications.

OT 1200 ANATOMY – PURE AND APPLIED

(114 hours)

OT 1210 Pure Anatomy

(90 hours)

Lectures, demonstrations, tutorials, and practical work. The fundamentals of anatomy including general skeletal and muscular structure and basic tissue of the body; detailed anatomy of the muscles, bones, joints, nerve and blood supply of upper and lower limbs—application to occupational therapy.

OT 1220 Kinesiology and Applied Anatomy

(24 hours of workshops)

The application of anatomy to movement, mechanical principles—axes, planes, levers, centre of gravity, equilibrium, range of movement, and properties of muscle. Muscle action and function. Analysis of muscle action and movement.

Prescribed Texts

Basmajian, J. V., *Primary Anatomy*, 7th edn., Williams & Wilkins, 1976.
 Brunnstrom, S., *Clinical Kinesiology* (rev. by R. Dickinson), 3rd edn., Davis, 1972.
 Cunningham, D. J., *Manual of Practical Anatomy*, vol. 1 (rev. by G. J. Romanes), 13th edn., Oxford University Press, 1966.
 O.T. School publications.

BL 1131 PHYSIOLOGY I

(70 hours)

BL 1139 PHYSIOLOGY I LABORATORY

(23 hours)

See descriptive entry p. 109.

BEHAVIOURAL SCIENCES I

(121 hours)

BS 1000 Introduction to the Behavioural Sciences**BS 1500 Research and Measurement in the Behavioural Sciences**

See descriptive entries pp. 95-96.

OT 1100 CLINICAL EDUCATION I

(70 hours)

OT 1101 Clinical Orientation Period I

One orientation period of two weeks' duration is arranged to enable the student to observe a sample of the actual work of the occupational therapist, and to gain insight into the integrative nature of the course content. This two-week period falls at the end of first-term studies in first year. It serves as an introduction to health care and gives the opportunity for an appreciation of the work not only of the occupational therapy department but of the other services within the hospital, emphasising the importance of effective team communication.

Details of Syllabus: Second Year**OT 2500 OCCUPATIONAL THERAPY II**

(222 hours of lectures, clinical demonstrations and visits, practical work, special visits, and job experience)

Application of occupational therapy through practical involvement in clinics held at major metropolitan general and psychiatric hospitals.

OT 2520 Child Studies II

(26 hours)

Comprising longitudinal child observation.

A series of four studies of a young child—a continuation of studies begun in first year.

OT 2530 Assessment, Treatment, and Rehabilitation (Physical)

(64 hours)

Occupational therapy in the assessment, treatment, and rehabilitation of general medical and surgical conditions, orthopaedics, and hand injuries.

Section 1 Orthopaedic Conditions

Section 2 Part A — Hand Injuries

Part B — General Medical Conditions

OT 2531 Splinting

(36 hours)

This unit aims to develop the students' working knowledge of hand function and the application of splinting. Students will be introduced to the manufacture and use of basic hand splints and to the properties and types of materials used. Students will develop skill in the assessment of splints.

OT 2540 Assessment, Treatment, and Rehabilitation (Psychiatry)

(95 hours)

This unit consists of four major sections, aimed at providing students with a comprehensive knowledge of the role of occupational therapy in the assessment, treatment, and rehabilitation of psychiatric disorders. This unit is highly integrated with OT 2900 (Clinical Psychiatry I).

Section I

Students will be introduced to concepts of normality/abnormality, psychosocial needs of patients, social class, mental illness, and attitudes to mental illness.

Section II

Students will be introduced to theories of occupational therapy in psychiatry and the use of therapeutic relationships, media, and groups.

Section III

Students will be introduced to methods of intervention used in occupational therapy, with clinical conditions encountered in psychiatry.

Section IV

Students will be asked to plan, organise, and conduct practical group activities with patients in a variety of clinical settings.

Prescribed Texts

Brammer, L. J., *The Helping Relationship: Process and Skills*, Prentice-Hall, 1973.

Grandjean, E., *Ergonomics of the Home*, Taylor & Francis, 1973.

Goffman, E., *Asylums*, Penguin, 1973.

Neff, W. S., *Work and Human Behaviour*, Atherton Press, 1968.

O.T. School publications—details to be advised.

Wynn Parry, Group Captain, C. B. *Rehabilitation of the Hand*, 3rd edn., Butterworths, 1973.

Reference Books

Glasscote *et al.*, *Rehabilitation of the Mentally Ill in the Community*, Joint Information Service of American Psychiatric Association, Washington, D.C., 1971.

Haxmen, J. S., Tucker, G. J. and Le Bow, M., *Rational Hospital Psychiatry*, Brunner/Hazel, Inc., 1974.

Macdonald, E. M. (E.D.), *O.T. in Rehabilitation*, 4th edn., Bailliere Tindall, 1976.

Reference will also be made to articles published in a variety of psychiatric and O.T. journals.

OT 2600 ERGONOMICS, TECHNOLOGY, AND THERAPEUTIC MEDIA II

(201 hours)

Incorporating the following units:

OT 2610 Ergonomics II

(12 hours)

A thorough introduction to ergonomics in the health sciences. This unit rests on the basic ergonomic philosophy of "fitting things to people", and investigates both the practical technology of everyday life and the limits of human performance within that setting. Topics include information transfer, anthropometry, seating, vision, lighting, sound and noise, climatic comfort, and other selected topics.

OT 2620 Technology II

(16 hours)

This unit combines lectures, demonstrations, and practical work to cover areas of modern technology of specific relevance to occupational therapy. The main topics include the material science of splinting materials, audiovisual equipment practice, an introduction to electric power, and a segment of technical drawing.

OT 2630 General Safety II

Consideration of a wider frame of reference, for risk detection and management in occupational therapy activities and employment areas.

OT 2640 Industrial Practice II

Incorporating:

Ergonomic Check List (E.C.L.)

(18 hours)

The E.C.L. is introduced as a technique of improving subjective assessment of human performance and work environments.

Job Experience

(80 hours)

At the completion of second-year studies, students are required to obtain a job in a factory situation for a minimum of two weeks. Requests for exemption will be considered if a student has had recent experience of employment in industry.

OT 2660 Therapeutic Media II

(154 hours)

Further studies of selected media related to occupational therapy such as power tools, basic metalwork, printing, ceramics, creative media, etc.

Prescribed Texts

Grandjean, E., *Ergonomics of the Home*, Taylor & Francis, 1973.

O.T. School publications.

Standards Association of Australia publications—to be advised.

BEHAVIOURAL SCIENCES II

(38 hours)

BS 2400 Developmental Psychology IV: Social Factors**BS 2550 Survey and Interview Techniques**

See descriptive entries pp. 99-100.

OT 2700 NEUROSCIENCES

(39 hours)

OT 2701 Neuroanatomy

An outline of the components of the central nervous system and their functional relationship with each other. Revision of the gross structural morphology of the central nervous system. Broad coverage of neural pathways subserving motor, sensory, special sensory, psychic, intellectual, and autonomic functions.

OT 2702 Neuropsychology

A conceptual model for studying brain behaviour relationships is provided. This section aims to develop an understanding of how man's higher functions are disturbed by lesions in various sites in the cerebral hemispheres.

OT 2703 Neurophysiology

The neurophysiology of sensory and motor systems will be used to consider the mechanisms involved in perception, movement, consciousness, memory, and motivation.

Prescribed Texts

Bowsher, D., *Introduction to the Anatomy and Physiology of the Nervous System*, 3rd edn., Blackwell, 1975.

Eccles, J. C., *The Understanding of the Brain*, McGraw-Hill, 1973.

Williams, M., *Brain Damage and the Mind*, Penguin, 1970.

OT 2800 CLINICAL MEDICINE

(60 hours)

Lectures and clinics. A series of lectures and clinical demonstrations covering the aetiology, diagnosis, symptomatology, and treatment of medical conditions. The lecture series is divided into the following groupings:

OT 2801 Orthopaedics, Surgery, Plastic Surgery

(15 hours)

OT 2802 General Medicine and Paediatrics

(25 hours)

OT 2803 Neurosurgery and Neurology

(15 hours)

OT 2804 Special Focus Topics

(5 hours)

Prescribed Texts

Adams, J. C., *Outline of Orthopaedics*, 7th edn., Churchill Livingstone, 1971.

Toohey, H., *Medicine for Nurses*, 8th edn., Livingstone, 1967.

Walshe, F., *Diseases of the Nervous System Described for Practitioners and Students*, 11th edn., Livingstone, 1970.

OT 2900 CLINICAL PSYCHIATRY I

(28 hours of lectures/clinical demonstrations)

The objective of this subject is to introduce students to:

- (a) epidemiology and concepts of psychiatric illness,
- (b) theories and techniques of psychiatric interviewing,
- (c) aetiology, symptomatology, and methods of treatment of clinical conditions encountered in psychiatry,
- (d) issues of social psychiatry.

This subject is highly integrated with OT 2540 (Assessment, Treatment, and Rehabilitation (Psychiatry)).

Prescribed Text

Sainsbury, M. J., *Key to Psychiatry: A Textbook for Students*, Australian and New Zealand Book Co., 1973.

Reference Book

Freedman, A. M., Kaplan, H. I. and Sadock, B. J., *Modern Synopsis of Psychiatry*, Williams & Wilkins, 1972.

OT 2100 CLINICAL EDUCATION II

(70 hours)

OT 2101 Clinical Orientation Period II

A two-week clinical orientation period placed prior to the commencement of the first academic term in second year. This second clinical orientation period provides the opportunity for students to extend their awareness of the scope of occupational therapy and health services. Placed at this time, it allows the students to consolidate the theoretical and practical work of first year, as well as establishing a firm basis for the second academic year with its emphasis on general pathology and treatment.

Details of Syllabus: Third Year

OT 3500 OCCUPATIONAL THERAPY III

(214 hours)

Lectures, seminars, clinical, and practical experience. Supervised practical application of occupational therapy in the clinical field in the treatment of patients of all age groups with physical and psychological disorders.

OT 3530 Assessment, Treatment, and Rehabilitation (Physical)

(73 hours)

Occupational therapy in the assessment, treatment, and rehabilitation of neurological conditions.

Section I Neuromuscular assessment and re-education

Section II Assessment, treatment, and rehabilitation of specific neuromuscular conditions

Section III Assessment, treatment, and rehabilitation of the brain-damaged patient

OT 3532 Prosthetics

(20 hours)

This unit develops an appreciation of medical, surgical, and psychological implications of amputation. At the same time it introduces the student to the manufacture and use of standard and mechanised prostheses currently available for both upper and lower extremity amputees.

OT 3540 Assessment, Treatment, and Rehabilitation (Psychiatry)

(74 hours)

This unit is aimed at providing students with a higher level of knowledge and understanding of the theoretical, practical, and clinical application of occupational therapy in psychiatry.

It consists of three major sections.

1. Evaluation of the theoretical basis and practical experience in a number of different techniques used in occupational therapy.
2. Evaluation of new psychiatric approaches and their potential value in occupational therapy. These are presented in the form of monographs and are self-assessed by students.
3. Further practical clinical experience in hospitals and clinics.

OT 3541 Socio-Medical Aspects of Rehabilitation

(10 hours)

An introduction to some socio-medical issues and their relationship to treatment and rehabilitation.

OT 3550 Communication, Organisation, Co-ordination, and Administration I (C.O.C.A.)

(37 hours)

The unit aims to provide students with understanding and experience of the administrative and consultative function of the occupational therapist

in different health areas. Lectures, practical sessions, and seminars cover organisation, departmental planning, and communication skills. Occupational therapists from various clinical settings contribute.

Prescribed Texts

O.T. School publications.
Reading guides.

OT 3600 ERGONOMICS, TECHNOLOGY, AND THERAPEUTIC MEDIA III

(29 hours of lectures, seminars, practical classes, worksite visits)

OT 3610 Ergonomics III

This unit advances from the basic topics covered in Ergonomics II to consider at greater depth some applications of ergonomic analysis to domestic, industrial, and clinical situations. The unit is taken in conjunction with Industrial Practice III and will involve individual student projects.

OT 3620 Technology III

Comprising:

A-V Practice III

(3 hours)

The theoretical principles of motion film projectors and practical exercises in threading and projecting 16 mm. films.

OT 3630 General Safety III

Designing safe environments and procedures in occupational therapy departments.

OT 3640 Industrial Practice III

(21 hours)

This unit is co-ordinated with Occupational Psychology and involves visits to a variety of industrial work sites to develop student skill in making vocational assessment.

Network Analysis

The generation of logic diagrams and time analysed networks.

Prescribed Text

Grandjean, E., *Ergonomics of the Home*, Taylor & Francis, 1973.
O.T. School publications

BEHAVIOURAL SCIENCES III

(48 hours)

OT 3410 Occupational Psychology

(18 hours)

To develop and increase the understanding that Occupational Therapy

students have of the behaviour of individuals as related to work behaviour, inter-personal processes with respect to inter-group and intra-group processes operating in work situations, and organisational psychology with special emphasis on the concept of organisations as social systems.

Prescribed Text (OT 3410)

Brethower, D., *Behavioral Analysis in Business and Industry: A Total Performance System*, Behaviordelia Inc., 1972.

BS 2550 Survey and Interview Techniques

BS 2800 Counselling Skills

BS 3550 Research Design Seminar

See descriptive entries pp. 100-102.

OT 3100 CLINICAL EDUCATION III

(945 hours)

Clinical practice, seminars, and tutorials. Supervised practical application of occupational therapy in the treatment of patients with physical and psychological disorders of all age groups in the clinical field.

Details of Syllabus: Fourth Year

OT 4500 OCCUPATIONAL THERAPY IV

(100 hours of seminars, workshops, and lectures)

OT 4560 Applied Occupational Therapy

(75 hours)

A return in greater depth to the application of occupational therapy within the area of physical and psychiatric dysfunction, with increasing emphasis on the prophylactic role of occupational therapy within the community. Students are required to undertake a number of individual and group investigations and assignments. Time is also allocated for the presentation of some new material which is implemented in the light of recent developments in medicine and health services, and for the introduction to certain specialised techniques which can be pursued later at a postgraduate level. This unit is structured to include focus lectures, seminars, and practical sessions.

OT 4550 Communication, Organisation, Co-ordination, and Administration II

(15 hours)

Subject matter from third year (OT 3550) is re-examined at a higher level. Seminar/workshop sessions with panels of speakers drawn from all areas of clinical occupational therapy, industry, and health administration will be included to extend information.

OT 4570 Research Project Outlines

(10 hours)

This unit is conducted conjointly with Behavioural Sciences IV. Students prepare a research project outline related to occupational therapy based on material selected by them during clinical education affiliations in third year.

Prescribed Texts

Reading guide to be advised.

OT 4600 ERGONOMICS, TECHNOLOGY, AND THERAPEUTIC MEDIA IV**OT 4650 Design and Development**

(25 hours of lectures, seminars, and project)

The students contract for an individual project by selecting from within their clinical experience the need to design, modify, or further develop a device or system to advance occupational therapy treatment of assessment effectiveness. The task is to present the selected project with the need and the problem fully defined, with a design philosophy and an end point.

BEHAVIOURAL SCIENCES IV

(30 hours)

BS 3550 Research Design Seminar

This is conducted conjointly with OT IV.

BS 2800 Counselling Skills

See descriptive entries pp. 101-102.

OT 4900 CLINICAL PSYCHIATRY II

(26 hours of lectures, films, observations, and experimental workshops)

This subject will integrate much of the students' experience in group work. Its aim is to provide opportunity for clinical observation and discussion of:

- (a) different approaches to the use of groups in treatment,
- (b) the objectives of group psychotherapy,
- (c) mechanisms capable of effecting therapeutic change.

It will run parallel to OT 4560, which includes the re-examination, at a higher level, of occupational therapy techniques in psychiatry.

OT 4100 CLINICAL EDUCATION IV

(315 hours)

Students complete 315 hours in an elected area of O.T. practice.

School of Orthoptics

Introduction to Orthoptics

Orthoptics is a specialised study dealing mainly with the diagnosis and treatment of abnormalities of eye movements and the co-ordinated use of the two eyes. The main conditions treated are crossed or lazy eyes in children. Common problems in adults are fatigue arising from an inability to maintain co-ordination of the eyes and double vision after illness or accident.

Investigation involves the utilisation of suitable tests according to individual patient capabilities. From the results a diagnosis and plan of patient management may be formulated or progress of treatment may be assessed.

Application is not restricted to assessment of abnormalities of eye movements and co-ordination of the eyes: it also includes assessment of general ophthalmological and neurological conditions.

Orthoptic treatment is basically a process of mental training in which the higher centres of the brain concerned with vision, focusing, and control of eye movements are educated to function in a co-ordinated and efficient manner.

Orthoptists are qualified allied health personnel working in particularly close association with ophthalmologists, but also aiding other medical specialists, neurologists, neurosurgeons, endocrinologists, and plastic surgeons.

Course of Study

Orthoptics is a full-time course of two years' duration.

Award

An Associate Diploma in Orthoptics is awarded by Lincoln Institute to students successfully completing the course. Graduates apply for registration with the Orthoptic Board of Australia.

Lectures and Clinical Practice

Lectures are given at Lincoln Institute and clinical work is undertaken at selected city, country, and interstate hospitals and clinics. The following hospitals are utilised:

Adelaide Children's Hospital

Alfred Hospital

Austin Hospital

Ballarat Base Hospital

Geelong and District Hospital
 Launceston Hospital
 Mt. Royal Geriatric Unit
 Preston and Northcote Community Hospital
 Prince Henry's Hospital
 Queen Elizabeth Hospital
 Queen Victoria Memorial Hospital
 Royal Adelaide Hospital
 Royal Melbourne Hospital
 Royal Children's Hospital
 Royal Victorian Eye and Ear Hospital
 St. Vincent's Hospital
 Royal Hobart Hospital.

Some clinical involvement is required during the term holidays. During training, visits of observation are arranged to: Royal Victorian School for the Blind, Dame Mary Herring Centre, Marathon Spastic Centre, Central Carlton Kindergarten.

Avenues of Employment

Orthoptists are employed by hospitals and in solo and sponsored private practice. The School does not assume responsibility for placing orthoptists, but newly qualified clinicians will be advised of existing vacancies and application procedure.

Term Dates

First and Second Year

First Term 28 February-13 May
 Second Term 6 June-12 August
 Third Term 5 September-21 October

Assessment

The course will be examined by written assignments and practical assessments during the year, with final written, practical, and oral assessments.

Course Outline

The provisions in the details of the number of lectures, tutorials, etc., are included for general guidance only, and may be modified without notice.

First Year

Orthoptics Theory I
 Orthoptics Clinical Practice I
 Foundations of Behavioural Science I
 Human Biology
 Neurophysiology*
 Neuro and Ocular Anatomy*
 Ocular Physiology*
 Optics A
 Optics B

* Course completed first term second year.

Second Year

Orthoptics Theory II

Orthoptics Clinical Practice II

Foundations of Behavioural Science II

Ophthalmological Aspects of Orthoptics

Optics C

Details of Syllabus: First Year**OP 1600 ORTHOPTICS THEORY I****OP 1700 ORTHOPTICS CLINICAL PRACTICE I**

(135 hours of lectures and tutorials, 388 hours of clinical practice)

These subjects aim to provide:

- (a) a detailed understanding of normal visual function and abnormalities which arise from its dysfunction;
- (b) an understanding of all orthoptic apparatus in general use and establishment of an efficient orthoptic examination routine;
- (c) an understanding of general principles and methods of treatment of ocular deviation including optical, surgical, medical, and orthoptic, with emphasis on continuous evaluation and if necessary modification of orthoptic management plans.

*Prescribed Texts*Bredemeyer, H. G. and Bullock, K., *Orthoptics Theory and Practice*, Mosby, 1968.Lyle, T. K. and Wybar, K., *Practical Orthoptics in the Treatment of Squint*, Lewis, 1967.Stein, H. A. and Slatt, B. J., *The Ophthalmic Assistant*, 2nd edn., Mosby, 1971.*Reference Books*Burian, H. M. and von Noorden, G. K., *Binocular Vision and Ocular Motility Theory and Management of Strabismus*, Mosby, 1974.Cashell, G. T. W. and Durran, I. M., *Handbook of Orthoptic Principles*, 2nd edn., Churchill Livingstone, 1971.Dendy, H. M. and Shaterian, E. T., *Practical Ocular Motility*, Thomas, 1967.Hurt, J., Rasicovici, A., and Windsor, C. E., *Comprehensive Review of Orthoptics and Ocular Motility*, Mosby, 1972.**FOUNDATIONS OF BEHAVIOURAL SCIENCE I**

(64 hours)

BS 1100 Human Behaviour**BS 1510 Introduction to Research Methodology**

See descriptive entries pp. 96-97.

BL 1211 HUMAN BIOLOGY

(50 hours)

BL 1111 NEUROPHYSIOLOGY

(21 hours)

See descriptive entry p. 107.

OP 1800 NEURO AND OCULAR ANATOMY

(28 hours of lectures and tutorials)

This subject is designed to provide a knowledge of the anatomy of the eye, orbit, and visual pathways, with special reference to the extra ocular muscles and their nerve and blood supplies.

Prescribed Texts

Stephenson, R. W., *Anatomy, Physiology and Optics of the Eye, a Text Book for Orthoptic Students*, 2nd edn., Kimpton, 1973.

Wolff, E., *The Anatomy of the Eye and Orbit*, 6th edn., (rev. by R. J. Last), Lewis, 1968.

OP 1900 OCULAR PHYSIOLOGY

(28 hours of lectures and tutorials)

This subject is designed to provide a knowledge of the physiology of the eye and visual pathways.

Prescribed Texts

Davson, H., *Physiology of the Eye*, 3rd edn., Churchill Livingstone, 1972.

Stephenson, R. W., *Anatomy, Physiology and Optics of the Eye, a Text Book for Orthoptic Students*, 2nd edn., Kimpton, 1973.

Reference Book

Gloster, J. and Weale, R. A., *System of Ophthalmology, Vol. 4 The Physiology of the Eye and of Vision*, Kimpton, 1968.

BL 1511 OPTICS A

(20 hours)

See descriptive entry p. 108.

OP 1000 OPTICS B

(18 hours)

These subjects are designed to provide a basic knowledge of the principles of optics, with special reference to the refraction of the eye.

Prescribed Texts

Duke-Elder, S., *The Practice of Refraction*, 8th edn., Churchill, 1969.

Stephenson, R. S., *Anatomy, Physiology and Optics of the Eye, a Text Book for Orthoptic Students*, 2nd edn., Kimpton, 1973.

Reference Books

Borish, I. M., *Clinical Refraction*, 3rd edn., Professional Press, 1970.

Christman, E., *Primer on Refraction*, Thomas, 1972.

Harstein, J., *Review of Refraction*, Mosby, 1971.

Sloane, A., *Manual of Refraction*, 2nd edn., Little Brown, 1970.

Details of Syllabus: Second Year

OP 2600 ORTHOPTICS THEORY II

OP 2700 ORTHOPTICS CLINICAL PRACTICE II

(135 hours of lectures and tutorials, 351 hours of clinical practice)

These subjects are designed to:

- (a) ensure the student is fully competent in the management of the orthoptic aspect of ocular deviation and related disorders, particularly those resulting from head trauma or associated with general medical or neurological conditions;
- (b) provide an awareness of the contributions and roles of other allied health professionals and the relationship of the orthoptist in a multi-disciplinary approach to learning disabilities and visual problems in handicapped children and adults.

Prescribed Text

Duke-Elder, S. and Wybar, K., *System of Ophthalmology, Vol. 6 Ocular Motility and Strabismus*, Kimpton, 1973.

Reference Books

Burian, H. M. and von Noorden, G. K., *Binocular Vision and Ocular Motility Theory and Management of Strabismus*, Mosby, 1974.

Cashell, G. T. W. and Durran, I. M., *Handbook of Orthoptic Principles*, 2nd edn., Churchill Livingstone, 1971.

Dendy, H. M. and Shaterian, E. T., *Practical Ocular Motility*, Thomas, 1967.

Hugonnier, R. and Hugonnier, S. A., *Strabismus, Heterophorias Ocular Motor Paralysis*, (trans. by S. Veronneau Troutman), rev. edn., Mosby, 1969.

Hurt, J., Rasicovici, A., and Windsor, C. E., *Comprehensive Review of Orthoptics and Ocular Motility*, Mosby, 1972.

Lyle, T. K. and Wybar, K., *Practical Orthoptics in the Treatment of Squint*, Lewis, 1967.

FOUNDATIONS OF BEHAVIOURAL SCIENCE II

(54 hours)

BS 1520 Data Analysis I

BS 1530 Introduction to Scientific Communication

BS 1540 Practicum in the Behavioural Sciences

BS 2700 Rehabilitation Psychology

BS 2800 Counselling Skills

See descriptive entries pp. 97 and 101.

OP 2800 OPHTHALMOLOGICAL ASPECTS OF ORTHOPTICS

(120 hours of lectures, tutorials, clinical observation, and participation sessions)

The subject aims to provide:

- (a) a broad understanding of aspects of ophthalmology related to orthoptics, including an elementary knowledge of the common diseases of the eye and its adnexa;
- (b) a basic knowledge of ocular diseases affecting ocular tension and their management, also teachers skills enabling competent investigation of ocular tension and measurement of aqueous outflow of the eye;
- (c) an understanding of the practical testing of visual fields, and assessment of field defects encountered in ophthalmological, neurological, and general medical diseases and their significance.

Prescribed Texts

Rucker, C. W., *The Interpretation of Visual Fields*, 3rd edn., American Academy of Ophthalmology and Otolaryngology, 1957.

Trevor-Roper, P., *The Eye and Its Disorders*, Blackwell, 1974.

Reference Books

Drews, R. C., *Manual of Tonography*, Mosby, 1971.

Harrington, D. O., *Visual Fields*, 3rd edn., Mosby, 1971.

Reed, H. and Drance, S. M., *The Essentials of Perimetry*, 2nd edn., Oxford University Press, 1972.

OP 2000 OPTICS C

(56 hours of lectures and clinical practice)

A subject designed to give a working knowledge of clinical optics consisting of sight testing methods for children and adults, refractive errors, their correction and the use of prisms with particular emphasis on application to orthoptic conditions (the student also learns about the nature and fitting of contact lenses and in particular their application in monocular aphakia).

School of Physiotherapy

Introduction to Physiotherapy

Physiotherapy is a profession which is open both to men and women. Physiotherapists are members of the medical team assisting patients with temporary or permanent physical disability to achieve the highest possible degree of recovery.

Physiotherapists assess the patients' disabilities and carry out the appropriate treatment programme. This requires a thorough background knowledge of biological, behavioural, and medical science.

Before any person is permitted to practise as a physiotherapist in the State of Victoria, registration with the Masseurs Registration Board is obligatory.

Course of Study

Physiotherapy is a full-time degree course. There is no provision for part-time or evening students.

Award

Bachelor of Applied Science (Physiotherapy).

Lectures and Clinical Practice

Lectures, demonstrations, and practical sessions are held at Lincoln Institute and the University of Melbourne. Students attend physiotherapy departments of a number of hospitals and special centres for observation and clinical practice. These include:

Alfred Hospital

Austin Hospital (general hospital and spinal injuries centre)

Bendigo and Northern District Base Hospital

Box Hill and District Hospital

Caulfield Hospital

Coonac Rehabilitation Centre

Geelong Hospital

Hampton Hospital

Mooroopna and District Base Hospital

Mount Royal Geriatric Unit

Preston and Northcote Community Hospital

Prince Henry's Hospital

Queen Victoria Memorial Hospital

Repatriation General Hospital

Royal Children's Hospital

Royal Melbourne Hospital
Royal Women's Hospital
St. Vincent's Hospital
Western General Hospital
Additional clinical placements will be arranged.

Term Dates

First, Second, and Third Year

First Term 28 February-13 May
Second Term 6 June-12 August
Third Term 5 September-21 October

Second-year and third-year students will have a block of clinical education in November.

Fourth Year

Clinical practice with no terms. The year commences on 15 November 1976 and concludes on 8 July 1977. There will be one six-week break between 20 December 1976 and 31 January 1977, and a second break from 28 March 1977 to 12 April 1977 which includes Easter.

Book Exchange 1977

Students wishing to avail themselves of this service provided by the Physiotherapy Students Society may contact: Mr. Carl Wood, c/o Lincoln Institute, School of Physiotherapy, 625 Swanston Street, Carlton 3053; telephone 347-7544 ext. 259.

Prizes

The undermentioned prizes are awarded annually to final-year students by the Australian Physiotherapy Association.

Josephine Jennings and Edith Pratt Memorial Prize

This prize fund was donated by the members of the Australian Physiotherapy Association as a perpetual memorial to Miss Jennings and Miss Pratt who played a large part in the early training of physiotherapists in Victoria. The prize is awarded to the student who gains the highest percentage of marks over the full course.

Constance Read Memorial Prize

This prize fund was raised by a number of physiotherapists who wished to provide a perpetual memorial to Miss Constance Read. Miss Read was a member of the physiotherapy staff at the Royal Children's Hospital and was a most outstanding personality, giving inspiration to all those who had the privilege of working with her. The prize is awarded to the student who gains the highest percentage of marks in the subject of Physiotherapy II.

Eliza McAuley Memorial Prize

This prize fund was donated by a member of the Association who wishes to remain anonymous, to provide a perpetual memorial to Miss

Eliza McAuley, whose foresight and organisation, in the days when the profession was in its infancy, gave such a sound basis on which the course has been built. This prize is awarded to the final-year student who is most outstanding at practical work and the management of patients.

Obstetrical Physiotherapy Prize

This prize has been donated by members of the Obstetric Physiotherapy Society of Victoria, a special group of the Australian Physiotherapy Association. It is awarded to a final-year student who shows outstanding ability in this field of physiotherapy.

Assessment

Assessment is by means of continuous assessment, assignments, tests, and examinations. Details for each subject will be available at the beginning of the academic year.

Course Outline

The provisions in the details of the numbers of lectures and tutorials are included for general guidance only, and may be modified without notice.

First Year

Anatomy I

Man and Society I

Physiotherapy I

Science for Physiotherapy

Second Year

Anatomy II

Man and Society II

Pathology

Physiology II

Physiotherapy II

Third Year

Medical and Surgical Conditions

Physiotherapy III

Anatomy III

or

Man and Society III

or

Physiology III

Fourth Year

Physiotherapy IV

Details of Syllabus: First Year

PT 1800 ANATOMY I

(260 hours)

The subject consists of lectures, demonstrations, and practical work during first, second, and third university terms in accordance with

detailed timetables to be published each year in the Department of Anatomy.

The subject includes detailed anatomy of the upper and lower limbs; detailed anatomy of the muscles, bones, and joints of the abdomen and pelvis; a general account of the abdominal contents; surface anatomy of the limbs and abdomen. The practical programme gives every opportunity to dissect such parts of the human body as decided by the Professor of Anatomy. At present 21 weeks are spent in practical dissection. There are also classes of practical osteology and demonstrations of radiological anatomy.

Prescribed Texts

(Anatomy I and II)

Cunningham, D. J., *Manual of Practical Anatomy*, vol. 1, (rev. by G. J. Romanes), 13th edn., Oxford University Press, 1966.

Cunningham, D. J., *Manual of Practical Anatomy*, vol. 2, (rev. by G. J. Romanes), 13th edn., Oxford University Press, 1968.

Cunningham, D. J., *Manual of Practical Anatomy*, vol. 3, (rev. by G. J. Romanes), 13th edn., Oxford University Press, 1967.

Cunningham, D. J., *Textbook of Anatomy*, (ed. G. J. Romanes), 10th edn., Oxford University Press, 1964 or 11th edn., Oxford University Press, 1971; or

Gray's Anatomy, (ed. D. V. Davies and R. E. Coupland), 34th edn., Longman, 1967; or

Gray's Anatomy, (ed. R. Warwick and P. L. Williams), 35th edn., Longman, 1973.

Dissecting instruments

Half set of bones

White coats (drill, long-sleeved, full-length)—also used for Physiology.

PT 1000 MAN AND SOCIETY I

(121 hours of lectures, tutorials, and practical study)

BS 1000 Introduction to the Behavioural Sciences

BS 1500 Research and Measurement in the Behavioural Sciences

See descriptive entries pp. 95-96.

PT 1700 PHYSIOTHERAPY I

(162 hours of lectures, tutorials, and practical study, with provision for additional informal practical study)

This subject is designed to give the student an understanding of normal movement concurrently with Anatomy I. It comprises:

PT 1710 Kinesiology and Applied Anatomy

An introduction to the study of kinesiology and applied anatomy; this includes the practical application of kinesiological principles as well as practical sessions in surface anatomy in which muscles will be outlined and palpated, and anatomical structures will be related to surface markings.

PT 1720 Physiotherapy Techniques

An introduction to the principles and practice of massage and passive movements.

PT 1750 Child Development

Commencement of a study of the development of the normal child with emphasis on the first year of life.

Prescribed Texts

- **Brunnstrom, S., *Clinical Kinesiology*, 3rd edn., Davis, 1972.
- Beard, G. and Wood, E., *Massage—Principles and Techniques*, Saunders, 1964.
- *Hamilton, W., Simon, G., and Hamilton, S., *Surface and Radiological Anatomy*, 5th edn., Williams & Wilkins, 1971.
- **Lockhart, R. D., *Living Anatomy*, 5th edn., Faber & Faber, 1960.
- **MacDonald, F. A., *Mechanics for Movement—Notes for Physiotherapy Students*, Bell, 1973.

Reference Books

- Basmajian, J., *Muscles Alive*, Williams & Wilkins, 1967.
- Close, J. R., *Functional Anatomy of the Extremities*, Thomas, 1973.
- Hall, M. C., *The Locomotor System—Functional Anatomy*, Thomas, 1965.
- Illingworth, R. S., *The Development of the Infant and Young Child, Normal and Abnormal*, 5th edn., Churchill Livingstone, 1972.
- Kapandji, I. A., *The Physiology of the Joints*, vols. 1 and 2, 2nd edn., Livingstone, 1972.
- Kendall, H., Kendall, F. and Wadsworth, G., *Muscles—Testing and Function*, 2nd edn., Williams & Wilkins, 1971.
- MacConaill, M. A., and Basmajian, J. V., *Muscles and Movements: A Basis for Human Kinesiology*, Williams & Wilkins, 1969.
- O'Connell, A. L. and Gardiner, E. V., *Understanding the Scientific Bases of Human Movement*, Williams & Wilkins, 1972.
- Steindler, A., *Kinesiology of the Human Body*, Thomas, 1955.
- Williams, M. and Lissner, H. R., *Biomechanics of Human Motion*, Saunders, 1962.

Further references will be indicated throughout the course.

PT 1900 SCIENCE FOR PHYSIOTHERAPY

(130 hours of lectures, tutorials, and practical study)

BL 1251 Principles of Biology**BL 1451 Histology****BL 1459 Histology (Laboratory)****BL 1551 Special Physics**

See descriptive entries pp. 109-110.

** Students are expected to purchase.

* Highly recommended, but purchase is not essential.

Details of Syllabus: Second Year

PT 2800 ANATOMY II

(260 hours)

The subject consists of lectures, demonstrations, and practical work during first, second, and third university terms in accordance with detailed timetables to be published each year in the Department of Anatomy.

The syllabus includes all aspects of work as set out for first-year anatomy, together with detailed anatomy of head and neck and with a general account of the brain and spinal cord. Detailed anatomy of the thorax and its contents. Lectures and demonstrations of radiological anatomy. Applied anatomy with special reference to the locomotor apparatus.

Prescribed Texts

As for first year.

PT 2000 MAN AND SOCIETY II

(120 hours of lectures, tutorials, and practical study)

BS 2600 The Individual and Society

BS 2700 Rehabilitation Psychology

BS 2800 Counselling Skills

BS 3200 Abnormal Behaviour I: Theories and Therapies

plus the following units:

BS 2520 Data Analysis III: Two-sample Designs

and *either*

BS 3550 Research Design Seminar

or any two of:

BS 2510 Data Analysis II: Correlation

BS 2530 Data Analysis IV: Multisample Designs

BS 2550 Survey and Interview Techniques

See descriptive entries pp. 99-102.

PT 2100 PATHOLOGY

(16 hours of lectures in second and third terms)

The syllabus includes an introduction to pathology, and a general outline of aetiology, hereditary factors, developmental disorders, deficiency states, physical agents in disease, chemical agents in disease, microbiological agents in disease, cellular injury, acute inflammation, repair and regeneration, chronic inflammation, immunity, hypersensitivity and auto-immunity, vascular disturbances, disorders of growth, and general features of neoplasms.

Prescribed Text

Printed notes provided by the School of Physiotherapy.

Reference Book

Willis, R. A., *Principles of Pathology*, Butterworths, 1971.

PT 2900 PHYSIOLOGY II

(135 hours of lectures, tutorials, and practical study)

BL 1151 Physiology II**BL 1159 Physiology II (Laboratory)**

See descriptive entry p. 110.

PT 2700 PHYSIOTHERAPY II

(225 hours of lectures, demonstrations, discussions, tutorials, practical classes, clinical study, and informal study)

This aspect of the course is aimed at introduction, development, and integration of techniques of assessment and treatment prior to clinical training in the third and fourth years of the Physiotherapy programme. It comprises:

PT 2710 Therapeutic Movement

(approximately 130 hours)

A practical and theoretical study of techniques of therapeutic movement and their application. The syllabus includes:

assessment

exercise

passive joint movement

massage

classwork

functional training.

These are considered in terms of:

safety (patient and therapist)

physics (particularly mechanics)

anatomical and kinesiological foundations

physiological effects

indications

contraindications

dosage

techniques of application

recording (techniques and results of assessment and treatment)

care of the apparatus.

Prescribed Text

Wood, E. C., *Beard's Massage Principles and Techniques*, 2nd edn., Saunders, 1974.

Reference Books

Cyriax, J., *Textbook of Orthopaedic Medicine*, vol. 1, 6th edn., Balliere Tindall & Cassell, 1975.

Cyriax, J., *Textbook of Orthopaedic Medicine*, vol. 2, 8th edn., Balliere Tindall & Cassell, 1971.

Knott, M. and Voss, D., *Proprioceptive Neuromuscular Facilitation*, 2nd edn., Balliere Tindall & Cassell, 1968.

Licht, S. (ed.), *Massage Manipulation and Traction*, Licht, 1960.

Licht, S. (ed.), *Therapeutic Exercises*, 2nd edn., Licht, 1965.

Maitland, G. D., *Peripheral Manipulation*, Butterworths, 1970.

Maitland, G. D., *Vertebral Manipulation*, 3rd edn., Butterworths, 1973.

Further references will be given in the study manual.

PT 2720 Electrotherapy

(approximately 80 hours of lectures, demonstrations, discussions, tutorials, practical classes, clinical study, and informal study)

A practical and theoretical study of techniques of treatment and diagnosis by electrical and allied forms of energy. The syllabus includes:

electrical safety

therapeutic heat

therapeutic cold

ultraviolet radiation

electrical stimulation

— therapy

— diagnosis

interferential therapy.

The techniques are considered in terms of:

physics

biophysics

physiological effects

indications

contraindications

dosage

techniques of application

recording (techniques and results of assessment and treatment)

care of the apparatus.

Prescribed Text

Scott, P. M., *Clayton's Electrotherapy and Actinotherapy*, 7th edn., Balliere Tindall & Cassell, 1975.

Reference Books

Licht, S. (ed.), *Therapeutic Heat and Cold*, 2nd edn., Licht, 1965.

Licht, S. (ed.), *Therapeutic Electricity and Ultraviolet Radiation*, 2nd edn., Licht, 1967.

Ward, A. R., *Electricity, Fields and Waves in Therapy*, Science Press, 1976.

Further references will be given in the study manual.

PT 2740 Nursing Procedure

(20 hours of lectures and demonstrations at the Australian College of Nursing and 80 hours of clinical experience in allotted hospitals during November)

This section of the curriculum is designed to provide students with an appreciation of basic nursing techniques, a knowledge of which is necessary to carry out physiotherapy procedures, to understand the nursing needs of patients, and to appreciate ward routines and procedures.

PT 2750 Child Development

(approximately 15 hours of lectures, demonstrations, discussions, observation sessions, tutorials, and informal study)

A study of perceptual and motor development of normal children from birth to 11 years, with particular stress on 2 to 5 years. The syllabus includes:

- development from birth to 9 months (consolidation of material presented in Physiotherapy I)
- development from 1 to 11 years, considering in depth
 - adaptive behaviour
 - gross movement
 - fine movement
- and briefly
 - language development
 - social behaviour.

Reference Books

- Egan, D. F., Illingworth, R. S. and McKeith, R. C., *Developmental Screening 0-5. Clinics in Developmental Medicine*, no. 30, Heinemann, 1969.
- Paine, R. S. and Oppe, T. E., *Neurological Examination of Children. Clinics in Developmental Medicine*, no. 20/21, Heinemann, 1966.
- Sheridan, M. D., *Children's Developmental Progress from Birth to Five Years—The Stycar Sequences*, 3rd edn., NFER, 1975.
- Further references will be given in the study manual.

Details of Syllabus: Third Year**PT 3100 MEDICAL AND SURGICAL CONDITIONS**

(160 hours of lectures and clinical study)

This section of the curriculum is conducted by medical practitioners—specialists in pathology, pharmacology, medicine, and surgery. It is designed to acquaint the student with modern clinical and surgical practice and its relation to physiotherapy. It will include the pathology, aetiology, incidence, signs and symptoms, complications, aims, and techniques of the medical and surgical management of relevant conditions. It comprises the following units.

Reference Books

- Harrison, T., *Principles of Internal Medicine*, McGraw-Hill, 1974.
- Walter, J. B. and Israel, M. S., *General Pathology*, 2nd edn., Churchill, 1965.

PT 3110 Orthopaedic Conditions

(25 hours of lectures)

The unit includes an overall summary of the common conditions of the musculo-skeletal system. One section is devoted to elective orthopaedics, another to fractures, dislocations, and soft tissue injuries, and a third to orthopaedic conditions affecting children.

Reference Book

Apley, A. G., *A System of Orthopaedics and Fractures*, 3rd edn., Butterworths, 1970; or 4th edn., Butterworths, 1975.

PT 3120 Neurological Conditions

(28 hours of lectures)

The unit introduces students to the special pathology of neurological conditions and the clinical aspects of neurosurgery with emphasis on common conditions and accepted forms of surgical treatment, and clinical aspects of neurological conditions with emphasis on common conditions and accepted forms of medical treatment.

Prescribed Texts

Jennett, W. B., *An Introduction to Neurosurgery*, Heinemann, 1970.
Lance, J. W., *A Physiological Approach to Clinical Neurology*, 2nd edn., Butterworth, 1975.

Reference Books

Blackwood, W. *et al.*, *Greenfield's Neuropathology*, 2nd edn., Arnold, 1963.
Lord Brain and Walton, J. N., *Brain's Diseases of the Nervous System*, 7th edn., Oxford University Press, 1969.
Langworthy, O. R., *The Sensory Control of Posture and Movement*, Williams & Wilkins, 1970.
Russell, D., *Pathology of Tumours of the Central Nervous System*, 3rd edn., Williams & Wilkins, 1971.
Swaiman, K. E. and Wright, F. S., *Neuromuscular Diseases of Infancy and Childhood*, Springfield, 1970.
Swazey, J. P., *Reflexes and Motor Integration: Sherrington's Concept of Integrative Action*, Oxford University Press, 1969.

PT 3130 Thoracic Conditions

(20 hours of lectures)

The unit covers the pathology and the medical and surgical management of common cardiopulmonary conditions in adults and children.

Reference Books

Belcher, J. R. and Sturridge, M. E., *Thoracic Surgical Management*, 4th edn., Balliere Tindall & Cassell, 1972.
Cuming, G. and Semple, S. J., *Disorders of the Respiratory System*, Blackwell, 1973.
Gibbon, J., Sabiston, D. and Spencer F., *Surgery of the Chest*, 2nd edn., Saunders, 1969.
Netter, F., *Ciba Collection of Medical Illustrations*, vol. 5, The Heart, Ciba, 1969.
Thomson, A. D. and Cotton, R. E., *Lecture Notes on Pathology*, 2nd edn., Blackwell, 1968.
West, J., *Respiratory Physiology—the Essentials*, Williams & Wilkins, 1974.
Wood, P., *Diseases of the Heart and Circulation*, 3rd edn., Eyre & Spottiswoode, 1968.

PT 3140 Obstetrics and Gynaecology and Plastic and Circulatory Conditions

(5 hours of lectures)

The unit covers the physiology of pregnancy and labour, the psychosocial aspects of pregnancy, pain relief in labour, and an introduction to gynaecology.

Reference Books

Townsend, L., *Obstetrics for Students*, 2nd edn., Melbourne University Press, 1969.

Townsend, L., *Gynaecology for Students*, Melbourne University Press, 1974.

PT 3150 Pharmacology

(10 hours of lectures)

A study of the basic principles and concepts of pharmacology and the therapeutic uses of drugs, with special emphasis on side effects and their implications in physiotherapy treatment.

Reference Books

Goodman, L. S. and Gilman, A., *The Pharmacological Basis of Therapeutics*, 5th edn., Macmillan, 1975.

Lawrence, D. R., *Clinical Pharmacology*, 4th edn., Churchill, 1973.

PT 3700 PHYSIOTHERAPY III

(approximately 450 hours of lectures, practical, and clinical study)

The subject comprises the following units.

PT 3710 Orthopaedic Theory (Physiotherapy)

(65 hours of lectures, tutorials, practical classes, and clinical demonstrations throughout the year)

A study of the rationale of physiotherapy management of acquired and traumatic orthopaedic disorders in children and adults. Emphasis will be given to the detail of assessment procedures, treatment planning, and to reinforce the skill of applying treatment techniques learned in Physiotherapy II. Splinting and plaster of paris techniques will be included in this section of the curriculum.

Prescribed Text

Apley, A. G., *A System of Orthopaedics and Fractures*, 4th edn., Butterworths, 1973.

Reference reading lists will be supplied during the programme.

PT 3720 Neurology Theory (Physiotherapy)

(50 hours of lectures, discussion sessions, practical and clinical demonstrations in second and third term)

The unit comprises a study of the rationale and techniques of assessment and physiotherapeutic management of patients with neurological disorders. The disorders studied include cerebrovascular accidents, multiple sclerosis, Parkinsonism, cerebella and sensory ataxias, and traumatic

head injury. A section is devoted to the presentation of the principles and practice of functional training. Where applicable, reference is made to the rationale and techniques of specific treatment regimes, such as Bobath, Rood, Proprioceptive Neuromuscular Facilitation, Brunnstrom, and Temple-Fay.

Prescribed Texts

Cash, J. E., *Neurology for Physiotherapists*, Faber & Faber, 1974.

De Meyer, W., *Technique of the Neurologic Examination*, 2nd edn., McGraw-Hill, 1974.

Reference reading lists will be supplied during the programme.

PT 3730 Thoracic Theory (Physiotherapy)

(35 hours of lectures, tutorials, practical classes, and clinical demonstrations throughout year)

A unit comprising two parts:

1. The theory and practice of techniques used in the physiotherapeutic management of thoracic disorders, and the supervision of the use of relevant equipment. The techniques include breathing exercises, postural drainage, percussion, relaxation, and the use of respirators, selected pulmonary function testing equipment, and stethoscope.
2. The theoretical study of the rationale and application of the above in the assessment and treatment of selected thoracic and cardiac disorders.

Prescribed Texts

Cash, J. E., *Chest, Heart and Vascular Disorders for Physiotherapists*, Faber & Faber, 1975.

Printed notes supplied by the School of Physiotherapy.

Reference Books

Cherniak, R. M., Cherniak, L. and Naimark, A., *Respiration in Health and Disease*, Saunders, 1972.

Gaskell, D. V. and Webber, B. A., *The Brompton Hospital Guide to Chest Physiotherapy*, Blackwell, 1973.

Additional references will be supplied during the programme.

PT 3740 Obstetrics and Gynaecology and Plastic and Circulatory Conditions (Physiotherapy)

(10 hours of lectures, discussions, and clinical visits in third term)

The unit provides an introduction to physiotherapy in obstetrics and gynaecology. The study includes the physiology and social psychology related to obstetric patients, the management of labour and gynaecological conditions, the rationale of physiotherapy, and an introduction to practical work.

Reference reading lists will be supplied at the commencement of the unit.

PT 3750 Child Development

(9 hours of tutorials in first term)

This is the third unit of Child Development and provides the opportunity for additional study of normal sensory-motor development and insight into the integration of this knowledge in the assessment and treatment of children. The study includes the sensory-motor development of the neo-nate, briefly that of the foetus, and consideration of the manifestations of normal maturation of the central nervous system.

Reference reading lists will be supplied at the commencement of the unit.

PT 3760 Physiotherapy III Practice

(approximately 290 hours of clinical demonstrations, tutorials, and supervised practice throughout the year)

The unit provides the basis for the application of theoretical knowledge and practical skills in the clinical setting. Observation and gradually increasing participation lead to the integrated application of theoretical principles in the treatment under supervision of selected orthopaedic, thoracic, and neurological disorders. Clinical practice permits the student gradually to assume greater responsibility in the overall assessment and treatment of patients.

Reading list: as for other units.

PT 3800 ANATOMY III

Students will undertake a number of approved projects designed to advance the knowledge and understanding of anatomy as applied to physiotherapy.

PT 3000 MAN AND SOCIETY III

(approximately 170 hours of lectures, tutorials, and practical work)

Either

BS 3600 Health and the Community

or

BS 3700 Independent Research Project

plus any three units of

BS 3900 Behavioural Science Seminars

See descriptive entry p. 103.

PT 3900 PHYSIOLOGY III

(110 hours of lectures, tutorials, and practical work)

BL 2151 Neurophysiology (first term)

BL 2152 Cardiorespiratory Responses (second term)

BL 2153 Muscle Physiology (third term)

BL 2159 Laboratory

See descriptive entries p. 111-112.

Details of Syllabus: Fourth Year

PT 4700 PHYSIOTHERAPY IV

(26 weeks of clinical practice, lectures, discussions, tutorials, and seminars)

This subject comprises the following units:

PT 4710 Physiotherapy Theory

PT 4720 Physiotherapy Practice

PT 4721 Physiotherapy in Orthopaedics

PT 4722 Physiotherapy in Neurology

PT 4723 Thoracic Physiotherapy

plus any *two* of

PT 4730 Rehabilitation

PT 4731 Paediatrics

PT 4732 Geriatrics

plus any *one* of

PT 4733 Obstetrics and Gynaecology

PT 4734 Spinal Paralysis

PT 4735 Country Base Hospital

PT 4736 Private Practice

PT 4737 Community Health

Reference Books

Appropriate texts and references from previous years. Detailed reading guides will be issued prior to the commencement of the programme.

PT 4710 Physiotherapy Theory

This unit consists of lectures, discussions, tutorials, and seminars on special areas of physiotherapy, and the application of theory to the assessment and treatment of patients. Students will also be required to carry out a study of their own choice in a topic relevant to physiotherapy.

PT 4720 Physiotherapy Practice

This unit is a continuation of PT 3760 and consists of a number of clinical education units as detailed below.

Compulsory units PT 4721, PT 4722, and PT 4723 cover physiotherapy as practised in a general hospital. Students will attend a metropolitan teaching hospital and will spend four weeks on each unit. Experience will be gained in treatment under supervision of a wide range of medical and surgical conditions presenting in both the wards and outpatient departments. Opportunity will also be given to discuss and evaluate assessment and treatment, attend appropriate ward rounds and case conferences, observe some surgical procedures, and participate in tutorials.

Optional units PT 4730, PT 4731, PT 4732, PT 4733, PT 4734, PT 4735, PT 4736, and PT 4737 cover physiotherapy in special centres and provide the opportunity for experience in physiotherapy as practised in a number of areas other than the general hospitals.

PT 4721 Physiotherapy in Orthopaedics

A compulsory unit in physiotherapy in orthopaedics with an emphasis on the assessment and treatment of more complex conditions, greater student responsibility, and the treatment of the patient as a whole rather than the area of injury. Students will be expected to make use of knowledge gained in the Behavioural Sciences programme to match treatment not only to the condition but to the personal and social needs of the patient.

PT 4722 Physiotherapy in Neurology

A compulsory unit in physiotherapy in neurology which aims to give the student an overall concept of the total physiotherapy management of the patient with a neurological disorder suitable for either medical or surgical management. The unit will include care of the unconscious patient, the management of acute conditions, and the rehabilitation of function in the neurological patient. There will be special emphasis on the assessment of the multiple problems associated with this group of patients.

PT 4723 Thoracic Physiotherapy

A compulsory unit in thoracic physiotherapy which aims to give the student an appreciation of the role of physiotherapy in cardio/thoracic conditions. The unit will include intensive care, medical conditions, cardio/thoracic surgery, coronary care, rehabilitation for the thoracic patient, and the respiratory care of patients undergoing general surgery. Students will have the opportunity to apply the knowledge gained throughout the previous years, including anatomy, physiology, and pathology.

PT 4730 Physiotherapy in Rehabilitation

A unit designed to give the student an understanding of the function of rehabilitation centres and their place in long-term health care, together with the role of physiotherapy and other professions in the rehabilitation team. Students will be based in one metropolitan centre and will gain an overview of total patient care by attending case conferences, analysing treatment programmes, visiting other centres, and observing work situations and home situations in conjunction with the district nurse.

PT 4731 Physiotherapy in Paediatrics

A unit designed to provide the student with the opportunity to develop knowledge and skills in relation to physiotherapy in paediatrics. It introduces the student to the physical and psychological factors relevant to the treatment of children and to communication with, and education of, parents and/or others concerned with implementing or supervising treatment.

PT 4732 Physiotherapy in Geriatrics

A unit designed to provide an introduction to the physical, social, and psychological factors relevant to the treatment of elderly patients and the implications of these factors for short and long term management. Students will be based in a geriatric centre and opportunity will be given to visit other centres, investigate community facilities, and observe the role of the domiciliary physiotherapist and the district nurse in the care of the elderly.

PT 4733 Physiotherapy in Obstetrics and Gynaecology

A unit designed to provide students with the opportunity to develop skills related to ante-natal and post-natal classwork, assisting women in labour with psychophysical techniques, and the routine management of patients undergoing gynaecological surgery. Tutorials, observations of other physiotherapists working in the field, and visits to special clinics within the hospital aim to provide the student with an appreciation of the broad scope of physiotherapy in obstetrics and gynaecology.

PT 4734 Physiotherapy in Spinal Paralysis

A unit designed to enable the student to develop special knowledge, skills, and insight into the role of the physiotherapist as a member of the team involved in the management of patients with spinal injuries. Students will attend the Spinal Injuries Centre of the Austin Hospital where they will treat patients in both the acute and rehabilitation stage. Tutorials, group discussions, ward rounds, patient education sessions, both staff and patient conferences, and visits to sheltered workshops serve to give the student a broad overall view of patient management.

PT 4735 Physiotherapy in a Country Base Hospital

A unit designed to give the student knowledge and skills related to the practice of physiotherapy in a rural or provincial setting. Students will be based in the physiotherapy department of a country base hospital, and particular emphasis will be placed on participation in all the services provided, such as itinerant physiotherapy, domiciliary care, and physiotherapy in community health centres.

PT 4736 Physiotherapy in Private Practice

A unit designed to give the student knowledge and skills related to physiotherapy in private practice. Students will be affiliated with a private practitioner and will assist in the treatment of patients in the practitioner's rooms, in the home setting, and in hospitals and nursing homes. Emphasis will be placed on gaining insight into the position of the practice in the total health scheme and the community in general.

PT 4737 Physiotherapy in Community Health

A unit designed to give the student knowledge and skills related to physiotherapy and community health. Students will be affiliated with a community health centre and will be given the opportunity to assess and treat patients in the centre and in a domiciliary setting. There will be emphasis on preventative medicine and the team approach to health care.

School of Prosthetics and Orthotics

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Introduction to Prosthetics and Orthotics

The prosthetist-orthotist is responsible for the casting, fitting, and aligning of artificial limbs and appliances to restore function in patients with musculo-skeletal disabilities. He advises on the design and effectiveness of prosthetic-orthotic devices, assists and advises in pre-surgical planning, evaluates the end result of prosthetic-orthotic treatment, and records and reports relevant clinical information. Together with other health personnel, the prosthetist-orthotist will be involved in aspects of surgery, nursing, therapeutic activities, activities of daily living, social integration, and future employment of disabled people.

Course of Study

This course extends over a period of three years full-time, and leads to a Diploma in Prosthetics and Orthotics. Lectures, demonstrations, and practical sessions are held at the University of Melbourne and Lincoln Institute, whilst arrangements are to be made for clinical education to be conducted in selected centres.

Award

A Diploma in Prosthetics and Orthotics will be awarded by the Lincoln Institute to students successfully completing the course.

Term Dates

First Term 28 February-13 May
Second Term 6 June-12 August
Third Term 5 September-21 October

There is a possibility of a segment of clinical education at the end of third term, extending beyond 21 October until approximately 11 November.

Avenues of Employment

The proposed course will produce clinically orientated professionals for hospitals, rehabilitation centres, and limb and appliance centres.

Uniforms and Equipment

Students will be required to have the prescribed workcoats, and a pair of safety glasses is to be purchased by the student for use in practical sessions. Some equipment for technical drawing will be required. Details of these requirements will be available in the first weeks of the course.

Assessment

A variety of assessment situations will be used, according to the subject being undertaken. The student's academic, practical, and clinical knowledge and skills in prosthetics and orthotics will be evaluated by a continuous assessment process throughout the course.

Course Outline

First Year

Behavioural Sciences I
Human Morphology and Function
Anatomy
General Science
Prosthetics and Orthotics I

Second Year

Behavioural Sciences II
Applied Anatomy and Biomechanics
Physiology
Prosthetics and Orthotics II
Clinical Medicine and Pathology
Electronics

Third Year (Proposed Course)

Behavioural Sciences III
Prosthetics and Orthotics III
Administration and Management
Social Welfare

Details of Syllabus: First Year

BEHAVIOURAL SCIENCES I

(81 hours)

BS 1000 Introduction to the Behavioural Sciences

See descriptive entry p. 95.

BL 1221 HUMAN MORPHOLOGY AND FUNCTION

(65 hours)

See descriptive entry p. 108.

PO 1802 ANATOMY

(59 hours)

This subject is based on a series of two lectures and one demonstration per week extending over a 17-week period. It is conducted at Melbourne University and is a specialised unit of anatomy. It is run in parallel with the subject of Human Morphology and Function in second and third terms.

Prescribed Texts

Cunningham, D. J., *Manual of Practical Anatomy*, vol. I, (rev. by G. J. Romanes), 13th edn., Oxford University Press, 1966.

Maxwell, A. K., Burdon, I. M. and MacDonald, S., *Faber's Anatomical Atlas*, 4th edn., Faber & Faber, 1974.

GENERAL SCIENCE

(81 hours)

BL 1521 General Science

BL 1529 General Science Laboratory

See descriptive entry p. 108.

PO 1801 PROSTHETICS AND ORTHOTICS I

(305 hours)

This subject is designed to give the students an understanding of the materials, tools, techniques, and equipment basic in prosthetics and orthotics, and to introduce the student to the casting, fitting, and alignment of prostheses and orthoses.

Unit 1 Introductory Lectures (10 hours)

Unit 2 Laboratory Procedure (125 hours lectures, demonstrations, practical work, and projects)

Unit 3 Introduction to Prosthetics and Orthotics (100 hours theory and practical work)

Unit 4 Technical Drawing (40 hours)

Unit 5 Clinical Education (30 hours)

Prescribed Text

Boundy, A. W. and Hass, I. L., *An Australian Course*, McGraw-Hill, 1974.

Details of Syllabus: Second Year

BEHAVIOURAL SCIENCES II

(64 hours)

BS 1510 Introduction to Research Methodology

BS 1520 Data Analysis I

BS 1530 Introduction to Scientific Communication

BS 1540 Practicum in the Behavioural Sciences

BS 2700 Rehabilitation Psychology

BS 2800 Counselling Skills

See descriptive entries pp. 97 and 101.

PO 2822 APPLIED ANATOMY AND BIOMECHANICS

(41 hours)

This subject is aimed at giving the student a specialised basis of knowledge before continuing into the specialised applied areas of prosthetics and orthotics contained in the second year of the course.

BL 1131 PHYSIOLOGY I**BL 1139 PHYSIOLOGY I LABORATORY**

(93 hours)

See descriptive entry p. 109.

PO 2821 PROSTHETICS AND ORTHOTICS II

(289 hours)

This subject is designed to give the students a specialised knowledge of specific areas of casting, fitting, and aligning of prostheses and orthoses. Three units of theory, practical, and clinical work:

Unit 1 Prosthetics and Orthotics—Below Knee Orthotics

—Below Knee and P.T.B. Prosthetics

—Above Knee Orthotics

—Spinal Orthotics

Unit 2 Nursing Procedures (approximately 20 hours of lectures, practical work, and tutorials) provides an introduction to ward and theatre procedures, sterilisation, and ward care.

Unit 3 Clinical Education. Programme is still in the development phase.

PO 2823 CLINICAL MEDICINE AND PATHOLOGY

(72 hours)

A series of lectures and demonstrations covering the diagnosis, aetiology, symptomology, and treatment of medical conditions. These lectures will effectively cover conditions of the whole man, but will give specific emphasis to those diseases which are more prominent in prosthetics and orthotics.

BL 2521 ELECTRONICS

(20 hours)

See descriptive entry p. 109.

Details of Syllabus: Third Year (Proposed Syllabus)**PO 3841 PROSTHETICS AND ORTHOTICS III**

This subject is being designed to complete the students' education in the following areas of prosthetics and orthotics. At the same time it will introduce the students to the more sophisticated areas of prosthetics and orthotics, e.g., electrically powered prostheses and orthoses.

Unit 1 Prosthetics and Orthotics—Above Knee Prosthetics

—Upper Limb Prosthetics

—Upper Limb Orthotics

Details of other sections of this course have not been finalised at this time. Those interested in further details should apply to the Head of the School of Prosthetics and Orthotics.

Department of Behavioural Sciences

Introduction to Behavioural Sciences

An understanding of human behaviour is central to the work of anyone involved with ill, disabled, or disturbed people and therefore the Department of Behavioural Sciences has an essential and an independent contribution to offer students in the health sciences.

The Department of Behavioural Sciences is responsible for coursework in psychology, sociology, and counselling. The subjects and units offered by the Department of Behavioural Sciences make up an integrated and sequential programme to mesh in with studies presented in the Schools. Through these programmes the Department aims to provide learning experiences that will enable students to function more effectively in their personal life and their chosen professional role. To achieve this aim the Department offers an introductory year of foundation studies followed by a selection of more applied programmes from which various elements can be pursued according to the specific individual and career needs of the student. The educational process in the Department of Behavioural Sciences involves lecture, tutorial, seminar, and laboratory and other investigative work undertaken by students in groups or as independent projects.

Several of the subjects and units listed below specify prerequisites. Students who wish to enrol in a programme but cannot meet the prerequisites may apply to the Head of Department of Behavioural Sciences and the particular lecturer involved for special entry to that programme.

BS 1000 INTRODUCTION TO THE BEHAVIOURAL SCIENCES

(54 hours of lectures, 27 hours of tutorials)

An integrated sequence of lectures and tutorials to introduce the student to foundation topics in the behavioural sciences. Topics are organised in three groupings: the biological bases of behaviour, information processing, and social behaviour.

Prerequisites: None.

Corequisites: It is recommended that BS 1000 be taken in conjunction with BS 1500.

Prescribed Text

Schlesinger, K. and Groves, P. M., *Psychology*, Brown, 1976.

BS 1100 HUMAN BEHAVIOUR

(27 hours of lectures, 27 hours of tutorials)

A programme for students who will not be continuing a sequence of subjects in the behavioural sciences. This subject is made up of the following units: BS 1510, BS 1110, BS 1120, BS 1140.

Prerequisites: None.

Corequisites: None.

BS 1110 Communication Processes

A unit of 10 hours to introduce the student to the client-therapist communication process. Topics include: concepts of communication, non-verbal communication, verbal communication, effective listening, integration of the personal and professional self, and interview techniques.

Prerequisites: None.

Corequisites: None.

Prescribed Text

Purtillo, R., *The Allied Health Professional and the Patient—Techniques of Effective Interaction*, Chapters 8, 9 and 10, Saunders, 1973.

BS 1120 Child Behaviour

(20 hours)

This unit is designed to give an overview of the processes of influencing human development. Particular attention will be given to the behaviour of the child of 4-13 years.

Prerequisites: None.

Corequisites: None.

Prescribed Text

Kuhn, D., *Development*, Harcourt Brace Jovanovich, 1975.

BS 1140 Social Behaviour

(15 hours)

This unit is concerned with aspects of the human as a social being. Topics include: socialisation, social class, behaviour and social acceptability, aggression, conformity, and persuasion.

Prerequisites: None.

Corequisites: None.

Prescribed Text

Toomey, M., *Social Interaction*, Harcourt Brace Jovanovich, 1975.

BS 1500 RESEARCH AND MEASUREMENT IN THE BEHAVIOURAL SCIENCES

(40 hours)

A programme of four modules to introduce the student to the investigative process in the behavioural sciences. The sequence involves Units 1510, 1520, 1530, and 1540.

Prerequisites: None.

Corequisites: It is recommended that BS 1500 be taken in conjunction with BS 1000.

BS 1510 Introduction to Research Methodology

(10 hours)

This module is designed to introduce students to the aims and principles of the scientific method and provide an overview of the empirical methodology of data gathering, with particular reference to the health sciences.

Prerequisites: None.

Corequisites: None.

Prescribed Text

Anderson, B. F., *The Psychology Experiment*, Brooks Cole, 1971.

BS 1520 Data Analysis I

(10 hours)

This module is designed to introduce students to elementary descriptive and inferential statistics. Topics include: scales of measurement, graphs and frequency distributions, measures of central tendency, measures of dispersion, standard scores, foundations of inferential statistics, and chi square.

Prerequisites: None.

Corequisites: None.

Prescribed Text

Runyon, P. and Haber, A., *Fundamentals of Behavioral Statistics*, 2nd edn., Addison-Wesley, 1971.

BS 1530 Introduction to Scientific Communication

(10 hours)

This module is designed to introduce the student to evaluation and writing of research reports. The course includes guides to the structure and style of the report, section contents, and editorial details. Students will be expected to complete critiques of published reports and written exercises relevant to the reporting of research findings.

Prerequisites: None.

Corequisites: None.

Prescribed Text

Anderson, B. F., *The Psychology Experiment*, Brooks Cole, 1971.

BS 1540 Practicum in the Behavioural Sciences

(10 hours)

This unit is designed to provide practical experience of operational skills in research as well as further practice in scientific reporting. The programme consists of several practical projects. Emphasis will be placed on correct conduct of the experimental procedures in addition to production of the research reports.

Prerequisites: BS 1510.

Corequisites: BS 1530.

Prescribed Text

Anderson, B. F., *The Psychology Experiment*, Brooks Cole, 1971.

BS 2100 DEVELOPMENTAL PSYCHOLOGY I: INFANCY

(18 hours of lectures, 18 hours of tutorial/practicums)

This subject provides an introduction to developmental processes with special reference to infancy. Biological, behavioural, and cognitive aspects of infant development are presented: biological concepts of development; sensory neural and behavioural equipment of the neonate; perceptual, social, communicative, and cognitive competency in infancy—methodological approaches to their study; self-regulatory mechanisms—the emergence of motor skills and locomotion; and the stages and achievements of sensory-motor intelligence. The tutorial/practicum sessions will explore some of the focal issues and the techniques for investigation in the area of infant development.

Prerequisites: BS 1000.

Corequisites: None.

Prescribed Texts

Bower, T. G. R., *Development in Infancy*, Freeman, 1974.

Foss, B., *New Perspectives in Child Development*, Penguin, 1974.

Phillips, J. L., *The Origins of Intellect: Piaget's Theory*, Freeman, 1975.

Schaffer, H. R., *The Growth of Sociability*, Penguin, 1971.

BS 2200 DEVELOPMENTAL PSYCHOLOGY II: CHILDHOOD

(18 hours of lectures, 18 hours of tutorial/practicums)

This subject is concerned with development in early and middle childhood and explores in some detail the cognitive development of the child during this period and its relationships with social and affective growth. Both quantitative and qualitative approaches to assessment are covered and placed in the context of neurological and physiological growth. Practical sessions focus on demonstrations of both qualitative changes in thinking through this period and in the use of psychometric methods of assessment.

Prerequisites: BS 1000, BS 2100.

Corequisites: Although not compulsory, BS 2510 is highly recommended.

Prescribed Texts

Adams, P. (ed.), *Language in Thinking*, Penguin, 1974.

Foss, B., *New Perspectives in Child Development*, Penguin, 1974.

Phillips, J. L., *The Origins of Intellect: Piaget's Theory*, Freeman, 1975.

Tyler, L., *Tests and Measurements*, Prentice-Hall, 1971.

BS 2300 DEVELOPMENTAL PSYCHOLOGY III: ADOLESCENCE AND MATURITY

(14 hours of lectures, 14 hours of tutorial/practicums)

This subject is concerned with the development of the individual through adolescence, adulthood, and old age. The programme focuses on:

- (a) physical and physiological changes at different stages of maturity and their implications for psychological processes and social functioning;
- (b) social determinants including family and peer relations, vocational and sexual roles, cultural expectations and values;
- (c) individual adaptation through the stages of maturity, concepts of identity, modes of adjustment, models of personality functioning.

Prerequisites: BS 1000.

Corequisites: None.

Prescribed Texts

Because of the range and diversity of topics, no textbook has been set. Lists of recommended reading will be distributed at the commencement of the programme.

BS 2400 DEVELOPMENTAL PSYCHOLOGY IV: SOCIAL FACTORS

(14 hours of lectures, 14 hours of tutorial/practicums)

This subject is concerned with the social context of development and includes the following topics:

- (a) basic social processes—interpersonal behaviour, social influence, social learning, reinforcement, and imitation;
- (b) social learning in infancy and childhood, identification, learning social motives and attitudes, social environment, and language development;
- (c) personality as a social phenomenon, social roles, cultural influences on personality and behaviour, social perception.

Prerequisites: BS 1000.

Corequisites: None.

BS 2510 Data Analysis II: Correlation

(10 hours)

This unit is designed to introduce the student to the function, the computation, and the interpretation of correlation techniques. The course concentrates primarily on correlation techniques for parametric and ranked data, with a brief treatment of methods for dichotomous and nominal scale variables. Topics include Pearson's r product moment, Spearman's ρ , and other techniques.

Prerequisites: BS 1520.

Corequisites: None.

Prescribed Text

Runyon, P. and Haber, A., *Fundamentals of Behavioral Statistics*, 2nd edn., Addison-Wesley, 1971.

BS 2520 Data Analysis III: Two-Sample Designs

(10 hours)

This unit is designed to introduce the student to the function, the computation, and the interpretation of hypothesis testing techniques for

independent and related two-sample experimental designs. Both parametric and non-parametric techniques are considered. Topics include Student's *t* test, Mann-Whitney U test, sign test, and Wilcoxon-sign test.

Prerequisites: BS 1520.

Corequisites: None.

Prescribed Text

Runyon, P. and Haber, A., *Fundamentals of Behavioral Statistics*, 2nd edn., Addison-Wesley, 1971.

BS 2530 Data Analysis IV: Multisample Designs

(10 hours)

This unit is designed to introduce the student to the function, computation, and interpretation of hypothesis testing techniques for several independent or related samples. Included are techniques applicable to nominal, ordinal, and interval measurement. Topics include: one-way analysis of variance, Kruskal-Wallis, and Freedman test.

Prerequisites: BS 1520, BS 2520.

Corequisites: None.

Prescribed Text

Runyon, P. and Haber, A., *Fundamentals of Behavioral Statistics*, 2nd edn., Addison-Wesley, 1971.

BS 2540 Measurement and Test Theory

(10 hours)

This unit is designed to introduce the student to the basic concepts of measurement theory. Topics include: levels of measurement and scaling; measurement reliability, standard error of measurement, interpretation of reliability coefficients, improving reliability of measurement, measurement validity, predictive, concurrent, context, and construct validity; test norms; types of norms and interpretation of norms.

Prerequisites: BS 1500; BS 2510.

Corequisites: None.

Prescribed Text

Reading lists will be distributed at the commencement of the unit.

BS 2550 Survey and Interview Techniques

A ten-hour module designed to introduce the student to data-collection methods in social research. Topics include interview characteristics and functions, interview structure, advantages and disadvantages of interviews, types of questionnaires, questionnaire administration methods, questionnaire construction, sampling methods.

Prerequisites: BS 1500.

Corequisites: None.

Prescribed Text

Reading lists will be distributed at the commencement of the unit.

BS 2600 THE INDIVIDUAL AND SOCIETY

(20 hours of lectures, 10 hours of tutorials)

This subject is presented in two parts.

1. Social Divisions

How people are divided up along lines of class, race, culture, age and sex, and the implications of these divisions, particularly as they are relevant to health and disease.

2. Authority and Organisation

The theory and practice of organisations, particularly bureaucratic organisations, and including *professional* organisations and their problems. Social authority and control: who has social influence and how it is exercised; pressure groups; social deviance.

Prerequisites: BS 1000.

Corequisites: None.

Prescribed Text

None; individual readings will be suggested.

BS 2700 REHABILITATION PSYCHOLOGY

(14 hours)

This subject focuses on (a) the psychological dimensions of illness and disability, and (b) the application of psychological principles and theories to patient rehabilitation. Topics include: psychological reactions to trauma; psychological reaction to hospitalisation in adults and children; stigma and attitudes towards disability; personality; self-concept, body-image, and disability; dependency and its implications for rehabilitation; motivation theory and rehabilitation, behavioural methods in rehabilitation.

Prerequisites: BS 1000.

Corequisites: None.

Prescribed Text

There is no set text. A comprehensive reading guide will be distributed before the commencement of the programme.

BS 2800 COUNSELLING SKILLS

(10 hours of meetings in small groups)

In any relationship there is always the potential for counselling help. This is particularly so in the case of therapist-patient relationships. This subject is aimed at teaching skills in the general area of interpersonal relationships. Most of the work is practical, revolving around working together in pairs and as a group, with theoretical material blended in from time to time.

Prerequisites: None.

Corequisites: None.

BS 3200 ABNORMAL BEHAVIOUR I: THEORIES AND THERAPIES

(20 hours of lectures, 10 hours of tutorials)

This subject provides a broad introduction to abnormal psychology with the emphasis on environmental determinants and theories. Topics include:

- (a) criteria on normality, concepts of abnormality, medical and non-medical models;
- (b) classification of behaviour disorders and problems of diagnosis; the neurotic disorders, psychotic disorders, personality disorders, organic brain syndromes;
- (c) bases of disorders: heredity and biological determinants, environmental determinants, psychoanalytic theories, social learning theories;
- (d) individual psychotherapy, group therapy, behaviour therapy, and behaviour modification.

Prerequisites: BS 1000.

Corequisites: None.

Prescribed Text

Ullman, L. P. and Krasner, L., *A Psychological Approach to Abnormal Behavior*, 2nd edn., Prentice-Hall, 1975.

BS 3300 ABNORMAL BEHAVIOUR II: PSYCHONEUROLOGICAL ASPECTS

(20 hours of lectures, 10 hours of tutorials)

This subject emphasises the physiological bases of disordered behaviour; specific organic syndromes are examined in detail. Topics include:

- (a) biological aspects and biological theories of abnormal behaviour: stress and anxiety; psychosis; genetic approaches; familial and twin studies; biochemical theories; psychotomimetic drugs; pharmacotherapy and other physical treatments;
- (b) organic brain disorders: senile and pre-senile dementia; Parkinson's disease; other psychomotor disorders; organic brain disorders caused by intoxication; epilepsy: types; aetiology and treatment; brain damage: effects on memory, speech, sensory processes, and cognitive processing;
- (c) mental retardation: cultural-familial retardation; physiologic-organic retardation; chromosomal defects and retardation; treatment approaches; other genetic and developmental disorders.

Prerequisites: BS 3200.

Corequisites: None.

BS 3550 Research Design Seminar

A 20-hour module designed to provide students with experience in reviewing a field of research, deriving a hypothesis, and designing an appropriate test of the hypothesis. Students will be expected to prepare and submit a research proposal in consultation with an appointed supervisor.

Prerequisites: BS 1000, BS 1500; at least one unit from the BS 2500 series.

Corequisites: None.

BS 3600 HEALTH AND THE COMMUNITY

(70 hours)

This subject involves the examination and critical assessment of health care in Australia, including such aspects as historical development, the incidence of disease, the health professions, hospitals, and the problems and issues of health care delivery. Students will contribute a comprehensive research essay and occasional seminar papers.

Prerequisites: BS 2600, BS 3550.

Corequisites: None.

Prescribed Text

There is no set textbook; lists of readings will be distributed.

BS 3700 INDEPENDENT RESEARCH PROJECT

A 150-hour module designed to provide students with experience in initiating, conducting, analysing, and reporting an original investigation of a problem relevant to the health sciences. Students will work independently with an appointed supervisor. It is intended that this module be immediately preceded by BS 3550.

Prerequisites: BS 1000, at least one subject at the 2000 level, at least one subject at the 3000 level, and BS 3550.

Corequisites: None.

BS 3900 BEHAVIOURAL SCIENCE SEMINARS

This subject is made up of a number of units that can be chosen as options by senior students. Each seminar involves approximately 20 hours of classwork over one term. It is intended that:

- each group will involve a relatively small number of students,
- students will take a much more active role in the teaching-learning process than is usually experienced,
- the classes will be interdisciplinary in nature.

Seminars offered in 1977 are listed as Units 3910-3990.

BS 3910 Sexual Counselling

(20 hours)

An introductory programme to develop an understanding of human sexual inadequacies and how the health professional can assist in the treatment of these inadequacies. The following areas will be considered: psychobiological aspects of sexual functioning; sexual dysfunction in the male; in the female; techniques of sexual therapy; sexuality and the handicapped; limitations of the health professional; referral procedures.

Prerequisites: BS 2800.

Corequisites: None.

BS 3920 Neuropsychological Aspects of Abnormal Development

(20 hours)

Topics covered in this unit focus on biologically based dysfunction in childhood behaviour and, in particular, on the contribution of genetic factors and early brain trauma to abnormality and delay in development. Some introduction to diagnostic methods of assessment and to appropriate therapeutic intervention is also provided. Students will have the opportunity to study in some depth topics in which they have a particular interest by the preparation of seminar papers for presentation during the tutorials.

Prerequisites: BS 2100.

Corequisites: None, though Unit BS 2200 would be an advantage.

BS 3930 Psychosomatics

(20 hours)

A seminar unit concerned with behavioural factors in physiological dysfunction. Students will be expected to research the literature, present papers, and conduct group discussion on selected topics under the guidance of a seminar leader. Areas to be covered include aetiological models, research on basic issues related to the properties of aversive environments (stimulus properties, predictability, controllability), syndrome specificity problems (stimulus-response and individual-response specificities), and the relationship between organic disorders and behavioural factors in physiological dysfunction.

Prerequisites: BS 1000.

Corequisites: None.

BS 3940 Biofeedback

(20 hours)

This unit involves a theoretical and practical approach to some of the problems of biofeedback. Students will be expected to research the literature, present papers, and conduct group discussion on selected topics under the guidance of the seminar leader, and to undertake various practical exercises to familiarise themselves with biofeedback techniques. Areas to be covered include historical overview of the field, theoretical models, instrumentation, research methodology, optimisation of training parameters, individual differences, and applications, with particular emphasis on clinical issues relevant to the health sciences (e.g., relaxation, stuttering, subvocalisation, headache, muscular impairment, myocardial disorder, hypertension, Raynaud's syndrome, and control of prosthetic devices).

Prerequisites: BS 1000.

Corequisites: None.

BS 3950 Ethnic Groups in Society

(20 hours)

This unit deals with migrant groups in Australian society; aboriginals in Australian society; sociological characteristics of ethnic groups; psychological aspects of ethnic groups—integration, assimilation, stereotype,

prejudice, and alienation; the political significance of ethnic groups; illness and health.

Prerequisites: BS 1000; although not compulsory, BS 2600 is recommended.

Corequisites: None.

BS 3955 The Psychobiology of Pain

(20 hours)

This unit explores the phenomenon of pain through the following: physiological aspects of pain; sociocultural and psychological aspects of pain; clinical pain; theories of pain; the measurement of pain; the control of pain.

Prerequisites: BS 1000.

Corequisites: None.

Prescribed Text

Melzack, R., *The Puzzle of Pain*, Penguin, 1973.

BS 3960 Introduction to Computers

(20 hours)

This unit will provide an introduction to the functions of computers and their application. It will include data preparation, use of interactive terminals, and batch processing. Students will be introduced to various packaged programmes, particular emphasis being given to statistical analysis packages. Examples of computer applications to modelling will be provided.

Prerequisites: BS 1500.

Corequisites: None.

BS 3965 Women's Studies

(20 hours)

This unit will explore, on an interdisciplinary basis, several issues related to the place of women in society. The present social position of women will be examined in the context of biologically based and socially determined sex differences, and contemporary issues will be raised.

Prerequisites: None.

Corequisites: None.

BS 3970 Drugs and Behaviour

The aim of this unit is to introduce students to concepts of drug action and usage and to relate these concepts to practical situations that the students are likely to encounter in their professional practice. The programme will consider the nature of "medical" and "social" drugs and the mechanisms by which they produce their effects; the social implications of drug "use" and "abuse" in Australian society; the use of drugs within the clinical setting; rationales for prescription and the effects of commonly prescribed drugs in hospital and other health settings.

Prerequisites: BS 1000.

Corequisites: None.

BS 3980 Behaviour Therapy and Behaviour Modification

(20 hours)

This unit provides introduction to behaviouristic theories of therapy and to the practical application of learning and conditioning principles to maladaptive behaviour. Techniques include systematic desensitisation, aversive conditioning, flooding procedures, operant conditioning, behaviour rehearsal, and assertive training, with special reference to how these can be appropriately applied by the health therapist.

Prerequisites: BS 1000.

Corequisites: None.

BS 3990 Interdisciplinary Studies in Community Health

(20 hours)

The aim of this unit is to foster and develop an integrated team approach to patient care. It is anticipated that the class will be made up of students from the various schools at Lincoln Institute and from outside areas such as nursing and medicine. The class will have two weekly sessions. In the first session the seminar leader will introduce a problem area relevant to patient care, (e.g. response of hospital staff to the complaining patient, attitudes of society to the disabled, etc.). During the second session the group will discuss a hypothetical case study based on the previous seminar. Students will be encouraged to formulate a multi-disciplinary, integrated, patient-centred approach to the problems presented in the case study.

Prerequisites: Although not compulsory, BS 2800 is recommended.

Corequisites: None.

Department of Biological Sciences

Introduction to Biological Sciences

The Department of Biological Sciences teaches programmes in physics, chemistry, human biology, histology, and physiology to the Schools of the Institute. The aim of the programmes in physical science is to give students a basic literacy in physical and chemical ideas essential for the understanding of modern theories of the structure and function of the human body. The programmes in the biological subjects aim to give students a good understanding of the structure and function of the human body as a basis for the specialised knowledge required for the branch of health science being studied.

The subject programmes are taught by means of lectures, tutorials, laboratory classes, and demonstrations. Details of each individual programme are available on the Department notice board. Attendance at laboratory classes is compulsory.

Assessment

Assessment of student performance is usually made by examination and objective tests. Details of assessment in each subject programme are available on the Department notice board from the beginning of the academic year.

Prescribed Texts

The textbooks prescribed will be fully discussed during the first teaching session of each programme.

BL 1211 HUMAN BIOLOGY

(50 hours)

This programme will study basic structures and functions of the human body. It will consist of a lecture series supported by weekly tutorial/demonstration sessions.

Prescribed Texts

Macey, R. I., *Human Physiology*, 2nd edn., Prentice-Hall, 1975.

Pauchet, V. and Dupret, S., *Pocket Atlas of Anatomy*, 3rd edn., Oxford University Press, 1975. (M.R.A. students only.)

BL 1111 NEUROPHYSIOLOGY

(21 hours)

This subject will introduce the fundamentals of motor and sensory physiology, establishing a foundation for further study in neurophysiology

and neurology. The programme will utilise techniques of group teaching with emphasis on student participation and self-assessment.

Reference Books

A reference list will be supplied during the programme.

BL 1511 OPTICS

(20 hours, first term only)

This subject will be taught as a lecture/demonstration programme. Students will be introduced to the physics of light with particular reference to the laws of reflection and refraction and the properties of prisms and lenses.

BL 1221 HUMAN MORPHOLOGY AND FUNCTION

(80 hours)

This subject is presented as lectures and fortnightly tutorials. Modern concepts of anatomy and physiology will be presented concurrently in a series of modules. The modules will give an integrated study of the structure and function of related body systems, i.e. cellular structure, function, differentiation and reproduction; excitable tissues; muscle and skeleton; lung; circulatory system; nutritional requirements and elimination of metabolic wastes; control mechanisms and reproduction.

BL 1229 HUMAN MORPHOLOGY AND FUNCTION LABORATORY

(15 hours)

The laboratory experiments and demonstrations illustrate some of the material presented in the lecture series and will introduce the student to some common techniques used in the study of human body systems.

Prescribed Texts

de Coursey, R. M., *The Human Organism*, 4th edn., McGraw-Hill, 1974.
or

Crouch, J. E. and McClintic, J. R., *Human Anatomy and Physiology*,
2nd edn., Wiley, 1976.

BL 1521 GENERAL SCIENCE

(28 hours)

BL 1529 GENERAL SCIENCE LABORATORY

(56 hours)

This subject will be presented as lectures and laboratory demonstrations. It will provide students with a basic understanding of the physical, chemical, and mathematical ideas required for the Prosthetics and Orthotics course work. The content of the programme will be presented in five modules: physical and inorganic chemistry, mechanics, organic chemistry, electricity, and elementary mathematics. Students who have completed a branch of mathematics at the H.S.C. level may be exempted from the last module of the series.

BL 1131 PHYSIOLOGY I

(70 hours)

This subject is taught as lectures supported by fortnightly tutorials. The study of human function will be introduced with the properties of living cells, the concept of homeostasis followed by systemic physiology. This will involve the examination of organ systems and the integration of their functions in the whole human organism. Systems studied will include cardiovascular, respiratory, digestive, renal, nervous, and endocrine.

BL 1139 PHYSIOLOGY I LABORATORY

(23 hours)

The 9 laboratory classes will introduce students to some measurement techniques used in physiology. Experiments and demonstrations will be used to illustrate physiological principles presented in lectures.

Prescribed Texts

de Coursey, R. M., *The Human Organism*, 4th edn., McGraw-Hill, 1974.
or

Vander, A., Sherman, J. H. and Luciano, D., *The Mechanism of Body Function*, 2nd edn., McGraw-Hill, 1975.

BL 2521 ELECTRONICS

(20 hours)

A programme of ten two-hour lecture/demonstrations for Prosthetics and Orthotics students which introduces the important elements of an electromyographically controlled prosthesis or orthosis. Additionally, electronic transducers and instrumentation useful in measuring biomechanical parameters will be described.

The topics covered will be:

- | | |
|------------------------------|---|
| (a) the electromyogram (EMG) | Origin, recording methods, electronic processing. |
| (b) control systems | Negative feedback, proportional control, on-off control, EMG as a control signal. |
| (c) DC motors | Characteristics, control. |
| (d) transducers (i) Types: | Strain gauge, differential transformer, potentiometer, piezoelectric. |
| (ii) Parameters: | Pressure, force, acceleration, position, velocity. |

BL 1251 PRINCIPLES OF BIOLOGY

(56 hours)

A preliminary subject to introduce the student to some basic physical and chemical aspects of biological systems; organic chemistry with special emphasis on macromolecules; cellular metabolism, energetics, replication; genetics and evolution. It will be taught as a lecture series.

Prescribed Texts

Johnson, W. H., Delanney, L. E. and Cole, T. A., *Essentials of Biology*, 2nd edn., Holt Rinehart & Winston, 1974.

BL 1451 HISTOLOGY

(28 hours)

BL 1459 HISTOLOGY LABORATORY

(20 hours)

A theoretical and practical programme to include an introduction to microscopy, histological technique, cell structure and differentiation; basic structure of tissues with particular emphasis on muscle, nerve and skeletal tissues; histology of certain organs of the cardiovascular, digestive, respiratory, and urino-genital systems; exocrine and endocrine glands. Records of practical work will contribute to final assessment in this subject.

Prescribed Text

Junqueira, L. C., Carneiro, J. and Contopoulos, A. N., *Basic Histology*, 2nd edn., Lange Medical Publications, 1971.

BL 1551 APPLIED PHYSICS

(28 hours)

An introduction to mechanics covering vector quantities, centre of gravity, pulley systems, moments, and springs; hydrostatics covering specific gravity, buoyancy, Archimedes Principle; hydrodynamics covering viscosity, turbulent, and lamina flow, and other properties of fluids; the principles of servo-mechanics and the application of the above principles to the human body.

A review of static electricity; current electricity including circuits; Ohm's Law, energy and power and impedance; the theory of electrolysis; magnetism, electromagnetism, electromagnetic induction, electromagnetic radiations; spectrum and properties, sound and ultrasound, comparison and contrast of properties, generation. An introduction to electrophysiology. Application of the above physical principles to treatment by electrotherapy.

BL 1151 PHYSIOLOGY II**BL 1159 PHYSIOLOGY II LABORATORY**

This subject combines two units, a lecture programme and practical work. These units are complementary, providing Physiotherapy students with a fundamental understanding of human organism function.

BL 1151 PHYSIOLOGY

(70 hours: two lectures per week, and one tutorial per fortnight throughout the year)

The emphasis of the lectures is on the function of the human body. The programme will commence with a study of the characteristics of living cells and those properties which are unique to special cells of the body. An introduction to the concept of homeostasis and the autonomic nervous system will be followed by the study of systemic physiology. The activity of different tissues and organs in co-ordinated human function will be taught in the following systems: body fluids, the cardiovascular

system, the lung, the alimentary canal, the kidney, the endocrine glands, and the nervous system.

Prescribed Texts

Miles, F. A., *Excitable Cells*, Heinemann, 1969.

or

Katz, B., *Nerve, Muscle and Synapse*, McGraw-Hill, 1966.

Vander, A., Sherman, J. H. and Luciano, D., *The Mechanism of Body Function*, 2nd edn., McGraw-Hill, 1975.

Reference reading lists will be supplied during the lecture programme.

BL 1159 PHYSIOLOGY LABORATORY

(65 hours)

One 2½-hour laboratory class per week throughout the year consisting of demonstrations and student experiments designed to exemplify physiological principles, and to introduce the student to physiological measurement techniques and apparatus.

BL 2151, BL 2152, BL 2153, BL 2159 PHYSIOLOGY III

An adequate pass in Physiology II is a prerequisite for this subject. The units assume a sound knowledge of the material presented in Physiology II (BL 1151 and BL 1159).

Each unit of the subject consists of a lecture series and associated practical work, both at an advanced level. Guest lecturers who are experts in their field will present material in specialised areas. Within the limitations of each unit of the subject, students will be encouraged to initiate their own experimental work and to read research publications. Each student will be expected to give a brief address on the contents of a selected research publication and to take part in discussion sessions.

BL 2151 Neurophysiology Unit

(22 hours)

The neurophysiology of sensory and motor systems will be used to consider the mechanisms involved in perception, movement, consciousness, memory, and motivation. Wherever possible attention will be directed to neurophysiological investigations in man and their significance in understanding human function.

BL 2152 Cardiorespiratory Physiology Unit

(20 hours)

This unit will examine adjustments of the cardiovascular and respiratory systems in man, particularly those adjustments which occur in bedrest, exercise, and pregnancy. The special features of heart and lung in the newborn will be examined.

BL 2153 Muscle Physiology Unit

(14 hours)

This unit will include a detailed study of the physiology of human muscle. Consideration will be given to physiological changes which occur during an intensive physical training programme.

BL 2159 Laboratory Work

(54 hours)

Human subjects will be utilised in all laboratory sessions. Topics include: examination of conduction velocities of human peripheral nerves; investigation of the special senses in man; assessment of human physical performance, using a variety of techniques; techniques of electromyography; techniques of measuring the properties of human muscle.

Department of Educational Resources

Introduction to Educational Resources

The Department of Educational Resources offers and encourages the use of a variety of relevant human and material resources by staff and students of the Institute and also by members of the relevant professions. The Department's resources are designed to meet the needs of individual staff and students.

General Functions

Resources are being developed to provide support and service in several areas.

(a) Acquisition and Organisation of Educational Materials

In this area major responsibility is carried by the Library.

The Library contains material in a variety of formats to support teaching programmes, and also material of general interest. Print materials consist of books, periodicals, and pamphlets. Non-print materials include anatomical models, slide transparencies, films, cassette tapes, multi-media kits, gramophone records, slide viewers, cassette players, and calculators.

Orientation visits to the Library for new students take place early in first term. These are followed by programmes of instruction in library use which are intended to help students to make best use of the catalogue and other reference tools. Such programmes are usually linked to coursework in progress. For new members of staff, a segment on "Library Know-How" is included in the induction programme.

Conditions of borrowing are as generous as possible according to the degree of need at particular times. Hours of opening are posted on the Library notice boards and on other notice boards throughout the Institute.

(b) Education Development Services

These services include:

- (i) *Inservice development*, which is offered to staff and students in order to monitor and improve the quality and effectiveness of teaching and learning. Emphasis is placed upon the teacher, curriculum, teaching procedures, examinations and assessments, student study programmes and workloads, and research into the

teaching and learning processes. A variety of inservice programmes and formats is provided, including individual consultation, informal and formal seminars and courses, workshop, and simulation.

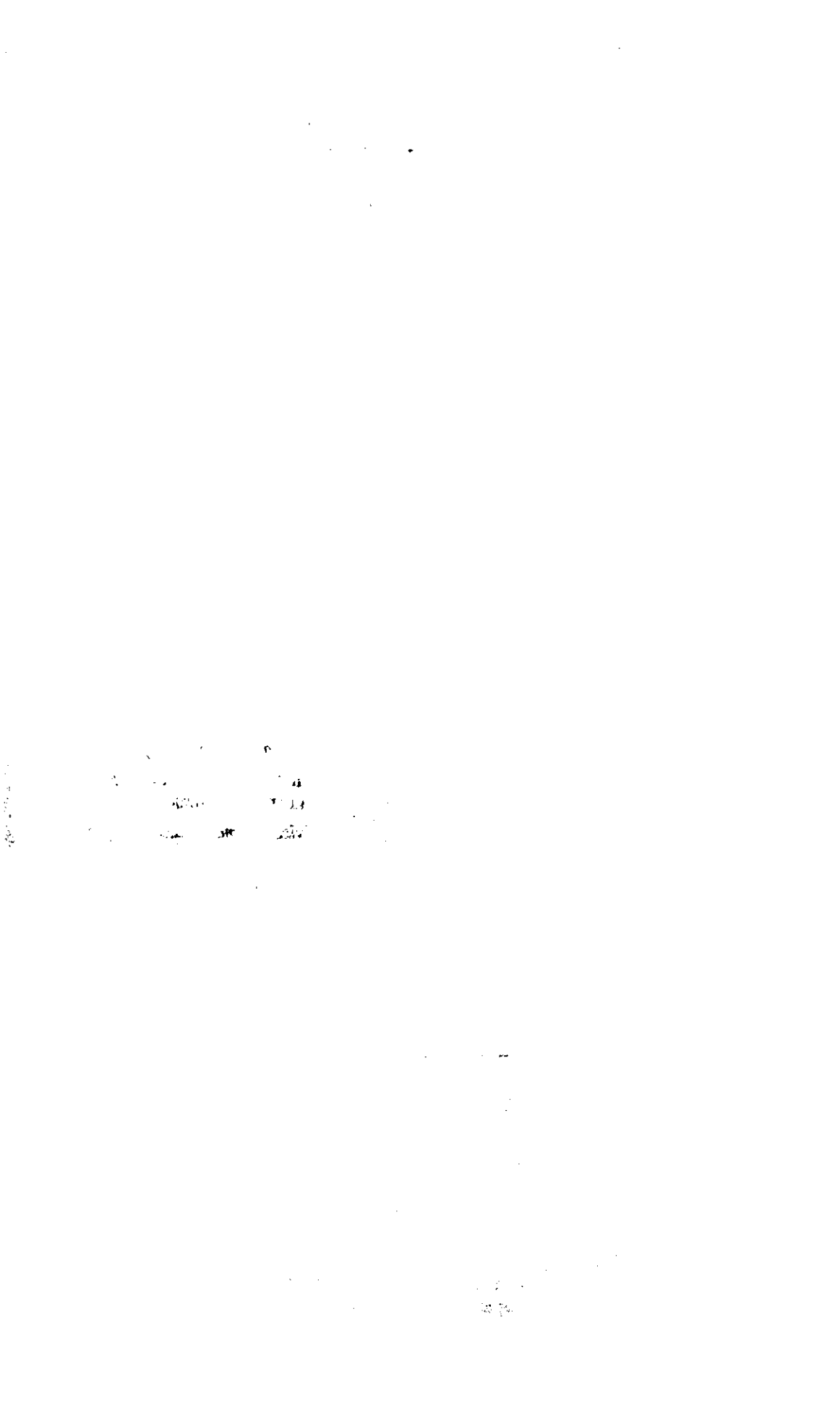
- (ii) *Curriculum services*, where staff are assisted to formulate policy in relation to curriculum, planning of new courses, and review and evaluation of existing courses. Advice is available to individual staff in matters related to the preparation, conduct, and review of their teaching programmes.
- (iii) *Research services*, where encouragement and support are available to staff seeking to assess their teaching programme or to engage in research involving educational theory and practice. Basic data and information on student entry profile, later performance, and reaction to teaching programmes may be explored.

(c) *Production and Technical Services*

Audiovisual and media advisory, back-up, and production facilities are co-ordinated to provide a support component to the teaching and learning situation.

The following services are represented:

- (i) *systems analysis/computer resource*: as well as providing specialised data-handling facilities in areas such as Library and Administration, the computer resource will be used to assist with the translation of curricula and teaching programmes into individualised teaching formats;
- (ii) a comprehensive offset *printing and photocopying service*;
- (iii) *media production services*: media advice and co-ordination, film/video production, photography, graphics;
- (iv) *an audiovisual equipment advisory and maintenance service*.



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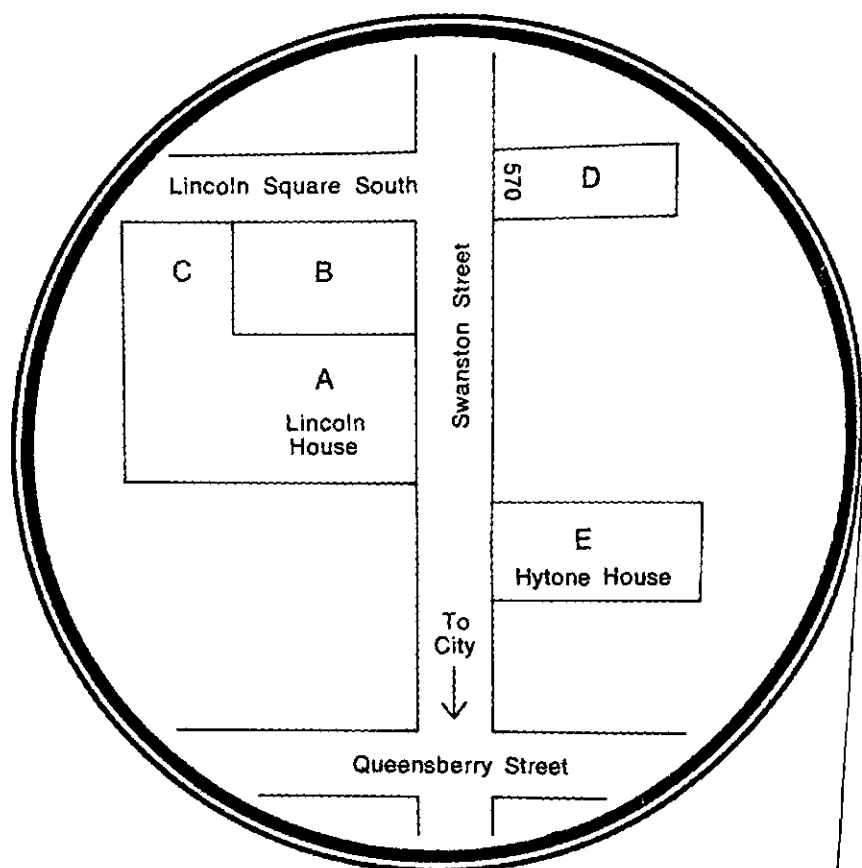
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LINCOLN INSTITUTE LIBRARY

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Location of Schools and Departments



BUILDING A

Ground Floor	Admissions Office and General Administration
First Floor	Library
Second Floor	School of Occupational Therapy
Third Floor	School of Physiotherapy
Fourth Floor	School of Communication Disorders
Fifth Floor	Department of Biological Sciences

BUILDING B

Ground Floor	Cafeteria
First Floor	Student Services Office

BUILDING C

Ground Floor	School of Orthoptics
First Floor	Department of Educational Resources

BUILDING D

Ground Floor	School of Prosthetics and Orthotics
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BUILDING E

Ground Floor	School of Medical Record Administration Department of Behavioural Sciences
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RAECO Library Equipment



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