FACULTY OF HEALTH SCIENCES

section one
Faculty Staff

section two
Faculty Information

section three
Bachelor Degree Rules

section four
Rules Governing Postgraduate Courses

Faculty of Health Sciences

Faculty Staff

Faculty Information

Bachelor Degree Rules

Rules Governing Postgraduate Courses

Faculty of Health Sciences Contents

Faculty of Health Sciences

Faculty of Health Sciences

Faculty of Health Sciences

Faculty of Health Sciences

Faculty of Health Sciences

Faculty of Health Sciences

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Faculty of Health Sciences

Faculty of Health Sciences

Faculty of Health Sciences

Faculty of Health Sciences

Faculty of Health Sciences
Approved Subjects and Course Details — Undergraduate Program

Diploma of Applied Science (Medical Radiation Technology)  28
Bachelor of Health Science (Occupational Therapy)  29
Bachelor of Health Science (Nutrition & Dietetics)  30
Bachelor of Applied Science (Medical Radiation Technology)  31
Bachelor of Applied Science (Consumer Science)  32

Approved Subjects and Course Details — Postgraduate Program

Graduate Diploma in Health Science  34
Primary Health Care  35
Clinical Drug Dependence Studies  36
Rehabilitation Counselling  36
Master of Health Science  36
Primary Health Care  36
Rehabilitation Counselling  36
Graduate Diploma in Health Services Management  37
Master of Health Services Management  37

Subject Descriptions

Undergraduate:
Radiography - Diploma Subjects [RA]  39
Health Studies Subjects [HOLH]  43
Applied Life Sciences Subjects [ALSC]  45
Psychosocial Health Studies Subjects  50
Health Profession Subjects [OCCT, ND, NUDI, MRT, PROP]  53
Radiography - Degree Subjects [MRT... ]  59
Consumer Science Subjects  79
Postgraduate Health Science Subjects  83
Health Services Management Subjects  88

General Information

Principal Dates 1994  i
Advice and Information  ii
Enrolment and Re-enrolment  iii
Leave of Absence  v
Attendance at Classes  v
General Conduct  v
Examinations  v
Statements of Academic Record  viii
Unsatisfactory Progress — Rules  viii
Charges  x
Higher Education Contribution Scheme (HECS)  x
Loans  xi
Refund of Charges  xi
Campus Traffic and Parking  xi
Miscellaneous Services
Banking  xii
Cashier  xii
Chaplaincy Service  xii
Community Programs  xii
Convocation  xii
Co-op Bookshop  xii
Lost Property  xii
Noticeboards  xii
Post Office  xii
Public Transport  xii
Student Insurance Cover  xiii
University Computing Services  xiii
University Libraries  xiv
On behalf of the staff of the Faculty of Health Sciences it is my pleasure to warmly welcome new and returning students, and to say a little about the Faculty, its philosophy and its programs.

The Faculty of Health Sciences offers a range of undergraduate and postgraduate programs which prepare professionals to work as health practitioners in hospitals, industries and community agencies, and most importantly as contributors to multiprofessional teams.

In Australia and the world today, health is no longer perceived as absence of illness or disease. Rather, it is a positive concept which emphasises a state of complete physical, mental and social wellbeing. It is viewed as a resource for living, a means to an improved quality of life. This means less sickness and disability, happier family and social relationships, choices for individuals in work and leisure activities, participation of citizens in the formulation and implementation of health policies, and affordable and available health care for the whole community. Taking lessons from human ecology, the focus of health practitioners is now on the person in his/her total environment. This necessarily involves liaison well beyond the boundaries of traditional health care institutions and community health centres, and calls for cooperation between health and other public sector services, and between these services and the private sector.

The built environment, the air we breathe, the water we drink, the food we eat, the pace at which we live, the conditions in which we work, live and play, and the people with whom we have contact all have an impact upon health and are the concern of health professionals today.

It should be no surprise, then, to see all of the above incorporated in one fashion or another into the coursework of each of our undergraduate and postgraduate programs.

Our concern at the undergraduate level is to develop competent beginning practitioners (e.g. radiographers, occupational therapists, consumer scientists, nutritionists and dietitians), who are secure in their unique professional role, but who endorse the broadest view of health and know how to work productively as members of multiprofessional teams. Substantial practical experience in the
real world of hospitals and community facilities complements the academic components of each program and you are encouraged to identify your own learning needs and to develop your own learning skills through what we call a problem-based approach. In addition to "clinical" and "fieldwork" skills, you will also develop an appreciation of research and know how to critically review the research literature relevant to your profession. This is of vital importance in view of our need to be accountable for what we do, how we do it, and the outcome which we obtain.

At the postgraduate level it is our aim to inspire qualified and experienced practitioners to become the innovators and change agents in the health system and to work energetically towards the achievement of the World Health Organisation goal of "Health For All". As postgraduate students you are encouraged to adopt a partnership approach with the staff of the Faculty; this we believe is the best way to help you to tap your reservoir of experience and to apply it to your chosen area of specialisation (be it rehabilitation counselling, clinical drug dependence studies, primary health care or health services management) and research in this field. If this is your first year at university, doubtless many questions will cross your mind in relation to the program in which you are enrolled. These may relate to options upon graduation, your personal response (for whatever reason) to some aspect of your studies, study patterns and skills, assessment techniques or other nitty gritty of survival. No matter the nature of the questions or the dilemmas which you find yourself facing, I wish to assure you that there is always someone who will listen and help you find your own answer or solution. Lecturers, Administrative Staff, Subject Co-ordinators, Course Co-ordinators, Heads of Departments/Divisions and the Dean of the Faculty are all prepared to help: but, first of all it is up to you to flag your need.

I wish you well for 1994 and I look forward to meeting you as you participate in a range of Faculty activities.

Jenny Graham

section one
Faculty Staff

PRINCIPAL OFFICERS
Visitor His Excellency, The Governor of New South Wales
Chancellor The Honourable Justice E.A. Evatt, AO, LLB, HonLLD(Syd), LLM(Harv), HonLLD(Macq), HonDUniv
Deputy Chancellor P.I.A. Hendry, AO, MB BS(Syd), DCP(Lond), HonMD, FRCPA, FCAP, FAACB
Vice-Chancellor Professor R.J. Mortley, BA(Syd), MA(Monaah), Dr3°cycle, Dés(Stras), FAHA(Philos)
Deputy Vice-Chancellor Professor M.P. Carter, BA(Nott), PhD(Edin)
Pro Vice-Chancellor and Dean of Students Professor K.R. Dutton, MA(Syd), DU(Paris), FACE, Officier des Palmes académiques
Pro Vice-Chancellor (Development) L.R. Eastcott, BA(NSW), MEd(Syd), PhD(Alta), DipEd
Pro Vice-Chancellor (Research) Professor R.J. MacDonald, BSc, PhD(NSW), FAIP
Deputy President of the Academic Senate Professor F.I. Clarke, BSc, PhD(Syd), FCPA, ACIS, ACIM

FACULTY OF HEALTH SCIENCES - FACULTY OFFICERS
Dean Associate Professor J.M. Graham, ATCL (Lond), DipOT (Syd), SROT(UK), MSc(Ed), (Bradford), AFACHSE
Deputy Dean Dr. S.J. Beveridge, MSc(Syd), BSc, DipEd, PhD, ARACI, FRSH, MAHS
Assistant Dean (Curriculum) Vacant
Assistant Dean (Research) Dr. M. Honari, M.A., PhD(Edin)
Assistant Dean (Academic Resources) Mr. A.J. Buxton, DipAppSc (RMIT), MIR, ARMIT
Faculty of Health Sciences

Section One

Faculty Staff

Faculty Seretarlat
J. Hughes, BA, MEdStud, MAITEA (Assistant Registrar)
M. Chalmers, BA, MA (Syd)
E. Graham, BCom
L. Hopkin
P. Moseley

Secretary to the Dean
L. Taylor

DEPARTMENT OF HEALTH PROFESSIONS

Associate Professor J.M. Graham, ATCL(Lond), DipOT(Syd), SROT(UK), MSc(Ed), [Bradford], AFACHSE(Head of Department)

Division of Occupational Therapy

Senior Lecturers
P. Jacobs, DipOT(NSW), GradDipSc(WAIT), MAppSc(Curtin) (Head of Division)
S. Lyons, DipOT(NSW)

Lecturers
J. Curtis, DipOT(NSW), MA(Macq)
J. Gwynn, BAppSc(O'I1(Cumberland), MCogSc(NSW)

Associate Lecturers
L. McKenzie, BAppSc(OT)(Curtin)
A. Hickey, BAppSc(OT)(Lincoln)
T. Schmid, DipOT(NSW)

Divisional Office Staff
L. O'Connor
S. Ricketts

Technical Officer
A. Bukey

Division of Medical Radiation Technology

Senior Lecturers
A.J. Buxton, DipAppSc(RMIT), MIR, ARMIT (Head of Division)
G.A. Shah, BSc, MSc, M.Phil (Jalal), PhD,(ANU), MAIP, AACPSEM

Lecturers
A. Bates, AssDipDMR(CAE), DipAppSc, MIR
P. Borham, BCom(UWS), ANMT
S. Dempsey, DipAppSc(MRT)(Syd), MIR
D. James, AssDipNMRT/STDT(AFEG), ANMT
A. Smith, DipAppSc(RMIT)BSc, MIR, ARMIT

Associate Lecturers
J. Abraham, DipAppSc(MRT)
R. Thompson, AssDip DMR(CAE), DipAppSc(MRT)

DEPARTMENT OF NUTRITION AND DIETETICS

Professor D.C.K. Roberts, BSc(Liv), PhD(ANU) (Head of Department)

Senior Lecturer Y.E. Webb, GradDipNutr & Diet (Syd), MSc(GLD), FCIA, AAIFST, MDAA

Lecturers
T. Clucas, BSc(NSW)
M.L. Garg, BSc, MSc(Punjab), PhD(Adelakde), FACN, FICN

I. Munro, DipHomeEc, TeachCert(Glasgow), BEd(Z'bew), MES
D. Stevens, BSc(LaTrobe), GradDipDiet(Deakin), MDAA
L. Williams, BSc(NE), GradDipDiet(Deakin), GradDipScSc(NE), MDAA

Associate Lecturer
G. McDonnell, BEd, GradCertCompEd

Technical Officers
R. Blake, AssDipAppSc(ChemTech)
R. Maher, BSc(Syd), DipEd(Syd)

Secretary to the Professor L. King

Research Assistants
P. Byleveld, BSc(Dent)(Syd)
A. Bencke, BSc(NSW), GradDipNutrDiet(Syd)

Part-Time Demonstrators
J. Krassle, BSc(Manit), MDAA
M. Ryan, BSc(Syd), GradDipNutrDiet(Syd), MDAA
L. Szabunia, BSc(Syd), GradDipNutrDiet(Syd), MDAA

DEPARTMENT OF APPLIED LIFE SCIENCES

Principal Lecturer S.J. Beveridge, MSc(Syd) BSc, DipEd, PhD, MRAI, FRSH (Head of Department)

Senior Lecturers
R.B. Flanagan, BSc, MEd, MSc, MAIP
H.E. White, BSc, MEd, GradDipHumanNutrition(Deakin)

Lecturers
T.B. Cheah, BSc, PhDM(OVnH), DipEd(Indiana)
B.F. Cook, BAppSc, (CAE), MSc, (Wayne State), MDPS, AAABB
P.A. McGrath, BSc, MSc, PhD(Syd), DipEd(Qld)

Associate Lecturers
J. Hindraker, BSc(Syd)
P. Johnston, BSc, DipEd(Adel), MSc
A. L. Lettoof, BAppSc(NSW)
L. McKenzie, BSc(WAust), DipEd(Syd), BEd(NE)

Senior Technical Officer
D. Hodgson, BSc

Technical Officer
K. Cook

Departmental Support Staff
J. Chapman
P. Bernasconi
J. Austin

DEPARTMENT OF HEALTH STUDIES

Head of Department
J. Knight, RN, DipCommHealth(Cumberland), BA(FLinders)

Senior Lecturers
M. Honari, BA, MA, PhD, (Edin)
T. Boleyn, BSc(Med), MBBS(Syd), FRACP, FFFH
The Faculty of Health Sciences is a constituted academic body within the School of Health and its purpose is to provide a dynamic environment for teaching, learning and research which:

- promotes the continuing lifelong development of its students, staff, and the external community;
- enables its students and staff to help improve the quality of life of individuals and communities; and
- enables its students and staff to develop the highest standards of vocational expertise and practice.

Based on an holistic philosophy of people and the way they interact with each other and the environment, the Faculty has a commitment to:

- achievement of standards of excellence in vocational/professional preparation and continuing education;
- encouragement of multi-disciplinary teaching, research and practice;
- social justice;
- developing resources to respond to varying health and social needs of the community;
- management practices which balance effectiveness and efficiency;
- shared participation in academic governance and academic freedom in the pursuit of knowledge; and
- continuing evaluation of the Faculty's programmes and their impact.

The Faculty is primarily located in the Bowman, Hunter and Richardson buildings and entry is via the Eastgate, located on University Drive (formerly Rankin Drive).

**THE SCHOOL**

The School of Health is a management unit of the University. The Director of the School is responsible to the Vice-Chancellor for a number of aspects of the management and resources of the School. The School is comprised of the Faculty of Nursing and the Faculty of Health Sciences.
THE FACULTY
The Faculty of Health Sciences consists of the following departments:
- Psychosocial Health Studies
- Nutrition and Dietetics
- Applied Life Sciences
- Health Studies
- Health Professions (incorporating two divisions - Occupational Therapy and Medical Radiation Technology)

The academic Heads of each Department/Division are listed in Section One.

THE FACULTY BOARD
The Faculty Board of the Faculty of Health Sciences is responsible for the academic affairs of the Faculty. The membership of the Faculty Board includes the academic staff of the Faculty, the Vice-Chancellor, the Director of the School, the Dean of the Faculty, the University librarian, and a range of other internal and external representatives, including students. The Dean is the Chair and Executive Officer of the Board.

DEGREES AND DIPLOMAS
The awards available to students within the Faculty of Health Sciences are as follows:

Diplomas
- Diploma of Applied Science (Medical Radiation Technology) (no further intakes)
- Bachelor of Health Science (Occupational Therapy)
- Bachelor of Health Science (Nutrition and Dietetics)
- Bachelor of Applied Science (Consumer Science)
- Bachelor of Applied Science (Medical Radiation Technology)
- Diagnostic Radiography Strand
- Radiation Therapy Strand
- Nuclear Medicine Strand (not offered in 1994)

Postgraduate Degrees and Diplomas
- Graduate Diploma in Health Services Management
- Master of Health Science (Primary Health Care)
- Master of Health Science (Rehabilitation Counselling)
- Master of Health Services Management
- Information regarding these programmes is provided in Sections Five and Six of this Handbook.

COURSE COORDINATORS 1993
Undergraduate:
- Diploma of Applied Science (Medical Radiation Technology) Mr Tony Buxton
- Bachelor of Applied Science (Medical Radiation Technology) Mr Tony Buxton
- Bachelor of Health Science (Occupational Therapy) Ms Trish Jacobs
- Bachelor of Health Science (Nutrition & Dietetics) Ms Yvonne Webb
- Bachelor of Applied Science (Consumer Science) Ms Irene Munro

Postgraduate:
- Graduate Diploma/Masters in Health Science (Primary Health Care) Dr Tom Boleyn
- (Rehabilitation Counselling) Dr Tony Nicholas
- Graduate Diploma in Health Science (Clinical Drug Dependence Studies) Dr Tony Nicholas
- Graduate Diploma/Master of Health Services Management Ms Catherine Wong

PROFESSIONAL RECOGNITION
The Bachelor of Health Science (Occupational Therapy) has been accredited by the Australian Association of Occupational Therapists and meets the requirements of the World Federation of Occupational Therapist. The Bachelor and Diploma of Applied Science (Medical Radiation Technology) are accredited by The Australian Institute of Radiography and The Australian & New Zealand Society for Nuclear Medicine.

The Graduate Diploma of Health Science (Rehabilitation Counselling) has recognition by the Society of Rehabilitation Counsellors. The Bachelor of Health Science (Nutrition and Dietetics) is presently seeking accreditation with the Dietitians Association of Australia.

The postgraduate Health Service Management programs have recently received accreditation by the Australian College of Health Service Executives.

CENTRE FOR HUMAN ECOLOGY AND HEALTH ADVANCEMENT (C.H.E.H.A.)
Within the Faculty of Health Sciences the Centre for Human Ecology and Health Advancement aims to provide an environment which enables professionals from a variety of disciplines to cooperate, exchange information and engage in research into health and human conditions through the holistic framework of human ecology. This framework emphasises sustainable, equitable and convivial activities as the means to enhancement of quality of life. It is anticipated that the co-operative, multidisciplinary exchange of information and ideas which the Centre will foster will assist in the achievement of "Health for All" goals.

It is also the Centre's intention to develop its resources and range of activities to the point where it becomes recognised as a centre of excellence in human ecology and health advancement.

The Centre has an Advisory Committee of members nominated by the Centre Director and invited by the Director of the School of Health, who will serve as the Committee Chair.

The Centre is responsible for:
- advising the University on any and all matters relevant to the development of the Centre;
- promoting the ideals of the Centre within the health and other relevant industries, government, statutory authorities, other educational institutions and the wider community - at local, regional, state, national and international levels.

Further information on the Centre, can be obtained from the Director, Dr Morriea Huner.

AWARDS AND PRIZES
Further information about Scholarships and Prizes is available from the Postgraduate Studies and Scholarships Office in the Hunter Building Concourse (phone 049 21.6537).

Tomago Aluminium Scholarship:
This prize is awarded to the student, being enrolled in the Bachelor of Health Science (Occupational Therapy) course who is a resident of the Tomaree area and achieves the highest grade point average. Value: $800.00 per year.

The Hunter Region Occupational Therapists Book Prize
The Hunter region Occupational Therapists Group offers a book prize to the final year Occupational Therapy student whose clinical performance has been outstanding. Value: $100.00

NSW Association of Occupational Therapists:
The NSW Association offers a prize for any final year Occupational Therapy student with the highest grade point average in Occupational Therapy practice over the duration of the course. Value: $8100.00

A.I.R. NSW Newcastle
The Australian Institute of Radiography NSW (Newcastle Branch) offers a prize to the highest academic achievement for a third year medical radiation technology student. (Diagnostic and Radiation Therapy)

Kathy Fitzgerald Prize:
The Kathy Fitzgerald Prize is awarded to the student with the highest grade point average over the duration of the Radiography course. (Diagnostic and Radiation Therapy)

Smith and Nephew Splinting Prize
This prize is awarded annually to the student having prepared the most outstanding splint in the subjects OCT1201/OCT1301.

The Total Patient Care Prize for Research
Awarded to the Fourth Year student in the Bachelor of Health Science (Occupational Therapy) having presented the most outstanding research paper.

The Total Patient Care Prize for Excellence
Awarded to the student having achieved the highest grade point average by the end of the Third Year of the Bachelor of Health Science (Occupational Therapy).

ACADEMIC DRESS
The academic dress worn by graduates of the Faculty of Health Sciences of the University of Newcastle is as follows:

Gowns
(a) Degree of Bachelor
A gown of black cloth as worn by Bachelor of Arts of the University of Cambridge.

(b) Graduate Diploma
The academic dress for postgraduate students shall be the habit of their degree. Postgraduate...
Diplomates who hold no former degree shall wear a gown of black cloth and a cap of the style worn by Bachelors of Arts of the University of Cambridge.

c. Degree of Master
A gown of black cloth as worn by Masters of Arts of the University of Cambridge.

Caps and Bonnets
Degree of Bachelor and Master
Either a black cloth tresser cap or a black Canterbury cap.

Hoods
(a) Degree of Bachelor of Health Science (Occupational Therapy)
A full hood of black silk lined to a depth of 15cms with Oriental Blue.
(b) Degree of Bachelor of Health Science (Nutrition and Dietetics)
A full hood of black silk lined to a depth of 15cms with Custard, and 5cms with Cream. (Yet to be approved).
(c) Award of Diploma of Applied Science (Medical Radiation Technology)
A sash of black silk trimmed with Aqua.
(d) Degree of Bachelor of Applied Science (Medical Radiation Technology)
A full hood of black silk lined to a depth of 15cms with Aqua.
(e) Degree of Bachelor of Applied Science (Consumer Science)
A full hood of black silk lined to a depth of 15cms with Waratah.
(f) Awards of Master of Health Science in Rehabilitation Counselling or Primary Health Care.
A hood fully lined with Terra Cotta.
(g) Master of Health Services Management
A full hood of black silk lined to a depth of 15cms in Raspberry followed by Salmon Pink.

ADVICE
Students requiring specific advice on their programs or content of subjects in their course should seek help from members of the Faculty. For personal counselling and study skills training it is suggested that students consult the University Counselling Services.

Enquiries regarding enrolment, variation to program and general administrative matters should be directed to the Faculty Secretariat, Level 1, Bowman Building.

STUDENT PARTICIPATION IN UNIVERSITY AFFAIRS
Provision is made for students to be elected as members on Faculty Boards and other committees or bodies. Please watch the Departmental Notice Boards for details of elections of student members.

Faculty Policies are relevant to all students enrolled in programs within the Faculty and are to be read in conjunction with course programs, degree and diploma rules and other requirements of the University.

Students should note that Faculty policies do not remain static and enquires may be directed to the appropriate secretariat staff (presently located downstairs in the Bowman Building).

ENROLMENT
It is the responsibility of the student to ensure that they are appropriately enrolled in a program which meets currently applicable course requirements. Where approval of a Dean or Head of Department is required, this should be obtained prior to submitting a Variation of Program Form, and attached to, or indicated on, that form.

Note, you are not fully enrolled until you have completed the following steps:
(1) completed and returned an enrolment/re enrolment form (including the statistics section);
(2) indicated to the University your HECS payment option (once you have completed your HECS payment form, this payment option remains until you choose to alter your payment option); and
(3) paid all notified fees/dues as required by University Rules.

During the course of the academic year, students will receive a Confirmation of Enrolment, HECS Liability Accounts and possibly other letters confirming details of enrolment. Students are requested to check all details carefully. Failure to do so may result in errors in enrolment and may cost you money.

ADJUSTING SECOND SEMESTER ENROLMENT
Enrolment in second semester subjects which require completion of first semester subjects to meet prerequisite, corequisite or assumed knowledge requirements is contingent upon successful completion of the relevant first semester subjects.

It is the responsibility of the student to apply to withdraw from any second semester subject for which they do not meet prerequisite, corequisite or assumed knowledge requirements unless a formal waiver of such requirements is received from the Head of Department offering the subject concerned within the first 2 weeks of second semester.

A student who fails a semester one subject, and has the opportunity, provided that the subject is offered in semester two, to repeat that subject in semester two of the same year, must formally apply to re enrol in that subject. This is done by completing a Variation to Program form and lodging it as early as possible, at least prior to the semester two HECS census date.

A student who remains officially enrolled in a subject will receive a result in that subject. A student who is not officially enrolled in a subject will not receive a result in that subject.

First Aid Certificates
Students commencing in the Bachelor of Health Science (Occupational Therapy) are required to produce evidence of their St. Johns Ambulance or Red Cross First Aid Certificate, prior to their first field placement in June. All first aid courses must be undertaken by students in their own time and at their own expense.

CREDIT POINTS
Credit points are the basis on which student workload is defined. The normal workload of a full time student is 80 credit points per year. A student may not enrol in subjects totalling more than the equivalent of 40 credit points in any semester except with the approval of the Dean.

Course programmes are specified and timetabled each year. Students are not to enrol in subjects which clash in the timetable.

PREREQUISITES, COREQUISITES AND ASSUMED KNOWLEDGE
In sequenced studies, prerequisites are set between levels of study. An understanding of the material in previous years/semester of the course is assumed.

Students must satisfy the relevant prerequisites, corequisites and assumed knowledge requirements of each subject unless granted a written waiver by the Dean, after considering any recommendation made by the Head of Department/Division offering the subject. Students wishing to obtain such a waiver should make application to the relevant Head of Department.

Only in exceptional circumstances will prerequisites, corequisites or assumed knowledge requirements be waived.

POLICIES RELATING TO ENROLMENT IN COURSES IN THE FACULTY OF HEALTH SCIENCES

1. Enrolment
   (1) Ordinary degree
      The Dean in the application of Rule 5 of the Award Rules may approve enrolment of a student in good standing in up to 20 additional credit points in the final year in the case of a full-time student who will graduate if that candidate passes 100 credit points in that academic year.

2. Credit
   Undergraduate Programs
   Graduates
      (1) A graduate of this University or of another university, or graduates or diplomas of an approved tertiary institution, may be granted credit in recognition of subjects passed, provided that:
         (a) each subject for which credit is sought should be substantially the same (as determined by the relevant Head of Department) as a subject included in the list of subjects approved for the course to which the graduate is seeking admission;

   Undergraduates
      (2) Undergraduates of this or of another university or of an approved tertiary institution who have not previously enrolled in the course to which admission is being sought, may be granted credit in recognition of subjects passed, provided that:
         (a) the subject for which credit is sought shall be substantially the same (as
determined by the relevant Head of Department as a subject included in the list of subjects approved for the course in which the undergraduate is seeking admission.

(4) *Undergraduates who have passed subjects in a degree course offered by this Faculty may seek to complete the requirements for that degree by undertaking studies at another university or approved tertiary institution.*

(a) Applications from such undergraduates who, after the completion of at least two years of full-time enrolment or five years of part-time enrolment have not maintained an satisfactory rate of progress as determined by the Faculty Board under the Rules Governing Unsatisfactory Progress, shall not be approved by the Faculty Board except in exceptional circumstances and on the recommendation of the Deans.

(b) The Faculty Board may grant credit to an undergraduate previously enrolled in a degree course in this Faculty in recognition of any subject or subjects passed at another university on the following conditions:

(i) the subject or subjects passed shall be substantially the same as a subject or subjects included in the list of subjects approved for the course in which the candidate is enrolled;

(ii) credit shall not be granted in respect of subjects with a combined value exceeding 80 credit points, except that in special circumstances the Dean may approve otherwise.

An undergraduate wishing to obtain the benefit of these sections must apply in writing to the Dean for approval of the proposed course by the last day of the previous semester. The students must supply full and completed details of the proposed course including details of the content of individual subjects. The Dean will consult Heads of Departments about individual subjects and prepare a submission for the Faculty Board.

Subjects approved by the Faculty Board will be specific and will be for one academic year only. The Faculty Board will determine the extent of credit to be granted in the course if the approved subject is completed successfully. If the approved subjects are not completed within the academic year specified by the Faculty Board, a student wishing to gain credit under these sections must submit a new application to the Dean in writing.

Postgraduate Programs

Health Services Management Programs

Undergraduates

The Board of Studies in Health Services Management may grant credit to a candidate on such conditions as it may determine, in respect of work undertaken by the candidate towards an incomplete qualification at this or another tertiary institution recognised by the Board of Studies. Credit shall not normally be granted for more than half of the program (calculated in terms of credit points).

Graduates

A candidate will not be permitted to enrol in any subject which is substantially equivalent to work completed by the candidate towards a completed tertiary qualification, in this or any other institution. In such cases the candidate will be required to undertake alternative coursework as prescribed by the Board of Studies in Health Services Management.

3. Prerequisites

(1) Relaxation of prerequisite requirement

The Dean, in the application of Rule 6 of the Award Rules may approve the relaxation of a prerequisite condition where, after consultation with the Head of the Department offering the subject, he/she is satisfied that a candidate has passed equivalent alternative studies.

4. Special Consideration

(1) In accordance with Rule 13 of the Examination Rules, a student who claims that

(a) study during the year or preparation for an examination; or

(b) attendance at or performance at an examination

has been affected by illness, disability or other serious cause, may report the circumstances in writing, supported by medical or other appropriate evidence. Such requests must be made on the prescribed form, the Application for Special Consideration form.

(2) This form should be lodged with the Administrative staff in the Faculty Secretariat Office, by the date date specified on the application form. (In the case of Section (1) (a) above, the form shall be submitted within seven days after any absence arising from the illness or event on which the request is based, or in the case of Section (1) (b), the form shall be submitted not later than three days after the date of the examination. In either case the Dean of the Faculty may accept an application outside of these time periods.)

(3) The application and any supporting documentation will be forwarded to the relevant Head(s)/Department(s), who shall consider the application. Applicants will be advised, as soon as possible following receipt of the application, of the outcome of their application, by the Head of the Department. The only possible outcomes of an application for special consideration are:

(a) that special consideration be granted,

(b) no special consideration be granted,

(c) the award of a further examination,

(d) further assessment be required to resolve doubt.

5. Progress

In accordance with the Rules Governing Unsatisfactory Progress the Faculty Board has determined the following policy:

A student will be regarded as not having made satisfactory progress if:

(a) the student has failed a compulsory subject twice; and/or

(b) the student has failed more than 50% of his/her total programme in any given year of study (calculated by total credit points attempted); and/or

(c) the student will fail to fulfil any specified time requirements of the course.

6. Leave of Absence

Undergraduate Programs and Graduate Diploma Programs

In accordance with Clause 10 of the Rules Governing Academic Awards a student eligible to re-enrol shall be deemed to be in good standing and may thus take Leave of Absence for one year from the course. There is no need to formally apply for Leave of Absence.

Students taking Leave must re-apply for admission by the due date. Re-enrolment papers will not be prepared for the student.

7. Honours/Merit

Selected Schedules to awards offered by the Faculty of Health Sciences provide for the academic award to be awarded or conferred with merit, or with Honours.

Diploma of Applied Science (Medical Radiation Technology)

In accordance with Clause 3 of the Schedule to the Diploma of Applied Science (Medical Radiation Technology) the Diploma may be awarded with Merit to those candidates having achieved a Grade Point Average of 2.5 or higher, calculated on the basis of performance over the duration of enrolment in the Diploma.

Bachelor of Applied Science (Medical Radiation Technology)

In accordance with Clause 7 of the Schedule to the Bachelor of Applied Science (Medical Radiation Technology), the degree may be conferred with Merit, provided that the candidate has achieved a Grade Point Average of 2.5 or higher, calculated over the duration of enrolment in the degree.

Bachelor of Health Science (Nutrition & Dietetics)

In accordance with Clause 6 of the Schedule to the Bachelor of Health Science (Nutrition & Dietetics), the degree may be conferred with Honours to those candidates having achieved the Grade Point Average, specified by the Faculty Board, calculated by performance in the 300 and 400 level subjects only.
Bachelor of Health Science (Occupational Therapy) (Honours)

In accordance with the Schedule to the Bachelor of Health Science (Occupational Therapy) (Honours), candidates having completed the required 240 credit points towards the Ordinary Bachelor of Health Science (Occupational Therapy) degree and having achieved a Grade Point Average greater than 2.5 calculated on performance in the 200 and 300 level subjects only, may be admitted to the Bachelor of Health Science (Occupational Therapy) (Honours) degree.

8. Phasing out of Diploma of Applied Science (Medical Radiation Technology)

The Diploma of Applied Science (Medical Radiation Technology) received its last intake of students in 1991. This course is being phased out. Accordingly the subjects offered within this award will be progressively removed from offer as follows:

- Year One (100 level) subjects - on offer for last time in 1993.
- Year Two (200 level) subjects - on offer for last time in 1994.
- Year Three (300 level) subjects - on offer for last time in 1995.

Repeating students must be mindful of this, as Failures in subjects may prevent progress in and completion of the award.

Students who will be unable to complete their award because of this are advised to apply for admission to the Bachelor of Applied Science (Medical Radiation Technology) and to seek credit for the work previously completed in the Diploma. (Applications for the degree program must be submitted to the Universities Admission Centre by the due date).

section three

Schedule of Bachelor Degree Rules

This Section contains the Rules Governing Academic Awards and Schedules to these Rules:

Diploma of Applied Science (Medical Radiation Technology)
Bachelor of Applied Science (Medical Radiation Technology)
Bachelor of Applied Science (Consumer Science)
Bachelor of Health Science (Nutrition & Dietetics)
Bachelor of Health Science (Occupational Therapy)

The approved subjects for each Schedule are listed in Section Five of this Handbook.

RULES GOVERNING ACADEMIC AWARDS

Application of Rules

1. These Rules shall apply to all the academic awards of the University other than the degrees of Doctor and Master.

Interpretation

2. (1) In these Rules, unless the context or subject matter otherwise indicates or requires:

- "award" means the degree, diploma (including graduate diploma and associate diploma) or graduate certificate for which a candidate is enrolled;
- "course" means the total requirements of the program of study approved by the Academic Senate to qualify a candidate for the award as set out in the schedule;
- "Dean" means the Dean of a Faculty;
- "department" means the department offering a particular subject and includes any other body so doing;
- "Faculty" means the Faculty responsible for the course;
- "Faculty Board" means the Faculty Board of the Faculty;
"schedule" means the schedule to these Rules relevant to the award listed under the name of the Faculty;
"subject" means any part of a course for which a result may be recorded.

(2) A reference in these Rules to a Head of Department shall be read not only as a reference to the person appointed to that office but also, where a subject is not offered by a department as such, to the person approved by the Academic Senate to undertake the responsibilities of a Head of Department for the purpose of these Rules.

Admission

3. An applicant for admission to candidature for an award shall satisfy the requirements of the University governing admission to and enrolment in a course and any other additional requirements as may be prescribed in the schedule for that award.

Subject

4. (1) For the purposes of a course, a subject may be classified at a level determined by the Faculty Board.

(2) Each subject shall be allotted a credit point value by the Academic Senate after considering the advice of the Faculty Board of the Faculty in which the department is located.

(3) The Academic Senate, after considering a request from a Faculty Board, may determine that a subject be not offered during a particular academic year.

(4) The Faculty Board shall approve the subjects for the award. Any change in the list of approved subjects which will have effect in the following year shall be approved by a date determined by the Academic Senate.

(5) Where there is any change in the list of approved subjects, the Faculty Board shall make all reasonable provision to permit students already enrolled in the course to progress normally.

Enrolment

5. (1) A candidate may not enrol in any year in a combination of subjects which is incompatible with the requirements of the timetable for that year.

(2) Except with the permission of the Dean and subject to any contrary provision in the schedule:

(a) a candidate may not enrol in subjects totalling more than the equivalent of 40 credit points in any semester;

(b) a candidate shall not enrol in a subject which does not count towards the award; and

(c) a candidate shall not be permitted to enrol in any subject which is substantially equivalent to one which that candidate has previously counted towards a degree or diploma.

(3) A candidate for an award shall not enrol in a course or part of a course for another award in this University unless consent has first been obtained from the Dean and, if another Faculty is responsible for the course leading to that other award, the Dean of that Faculty, provided that a student may enrol in a combined course approved by the Academic Senate leading to two awards.

Pre-requisites and Co-requisites

6. (1) The Faculty Board on the recommendation of the Head of the Department may prescribe pre-requisites and/or co-requisites for any subject offered by that Department.

(2) Except with the permission of the Dean granted after considering any recommendation made by the Head of the Department, no candidate may enrol in a subject unless that candidate has passed any subjects prescribed as pre-requisites at any grade which may be specified and has already passed or concurrently enrols in or is already enrolled in any subjects prescribed as its co-requisites.

(3) Except with the permission of the Dean, a candidate will not have satisfied a pre-requisite if the pre-requisite subject has not been completed in the preceding eight calendar years.

(4) A candidate attaining a Terminating Pass in a subject shall be deemed not to have passed that subject for pre-requisite purposes.

Credit

7. (1) A Faculty Board may grant credit to a candidate in specified and unspecified subjects, on such conditions as it may determine, in recognition of work completed in the University or another institution approved by the Faculty Board for this purpose or additionally as may be provided in the schedule.

(2) Except as may be otherwise provided in the schedule, a candidate shall not be given credit for more than sixty-five percent of the total number of credit points required to complete the course.

Subject Requirements

8. (1) The subjects which may be completed in the course for the Award shall be those approved by the Faculty Board and published annually as the Approved Subjects section of the schedule.

(2) A candidate enrolled in a subject shall comply with such academic and practical requirements and submit such written or other work as the Department shall specify.

(3) Except as otherwise permitted by the Head of Department, any material presented by a candidate for assessment must be the work of the candidate and not have been previously submitted for assessment.

(4) To complete a subject a candidate shall satisfy published departmental requirements and gain a satisfactory result in such assessments and examinations as the Faculty Board shall require.

Withdrawal

9. (1) A candidate may withdraw from a subject or the course only by informing the Academic Registrar in writing and the withdrawal shall take effect from the date of receipt of such notification.

(2) A student shall be deemed not to have enrolled in a subject if that student withdraws from the subject:

(a) in the case of a semester length subject, before the Higher Education Contribution Scheme census date for that semester; or

(b) in the case of a full year subject, before the first Higher Education Contribution Scheme census date for that academic year.

(3) Except with the permission of the Dean:

(a) a candidate shall not be permitted to withdraw from a subject after the relevant date which shall be:

(i) in the case of a semester length subject, the last day of that semester; or

(ii) in the case of a full year subject, the last day of second semester; and/or

(iii) subject to any provision within the schedules; and

(b) a candidate shall not be permitted to withdraw from a subject on more than two occasions.

Absence

10. (1) Subject to any provision in the schedule, a candidate in good academic standing in the course:

(a) may take leave of absence of one year from the course; or

(b) with the permission of the Dean, may take leave of absence of two consecutive years from the course without prejudice to any right of the candidate to re-enrol in the course following such absence and with full credit in all subjects successfully completed prior to the period of leave.

(2) For the purposes of sub-rule (1), unless otherwise specified in the schedule, a candidate eligible to re-enrol shall be deemed to be in good academic standing.

(3) A person who has been enrolled in a course but is absent without leave or has been excluded from the course may apply for re-
admission to that course and may be re-admitted to candidature under such conditions and at such time as the Faculty Board may determine, unless otherwise specified in the schedule.

Qualification for the Award

11. (1) To qualify for the award a candidate shall satisfactorily complete the requirements governing the course prescribed in the schedule.

(2) A subject which has been counted towards a completed award may not be counted towards another award, except to such extent as the Faculty Board may approve.

Combined Degree Programs

12. (1) Where so prescribed for a particular course, a candidate may complete the requirements for one Bachelor degree in conjunction with another Bachelor degree by completing a combined degree program approved by the Academic Senate on the advice of the Faculty Board and, where the other Bachelor degree is offered in another Faculty, the Faculty Board of that Faculty.

(2) Admission to a combined degree program shall be restricted to candidates who have achieved a standard of performance deemed satisfactory for the purposes of admission to the specific combined degree course by the Faculty Board(s).

(3) The work undertaken by a candidate in a combined degree program shall be no less in quantity and quality than if the two courses were taken separately.

(4) To qualify for admission to the two degrees a candidate shall satisfy the requirements for both degrees, except as may be otherwise provided.

Relaxing Provision

13. In order to provide for exceptional circumstances arising in a particular case, the Academic Senate on the recommendation of the Faculty Board may relax any provision of these Rules.

SCHEDULE — BACHELOR OF APPLIED SCIENCE (MEDICAL RADIATION TECHNOLOGY)

Specialisations

1. The program of studies for the degree shall be pursued in one of the following specialisations:
   - Diagnostic Radiography
   - Nuclear Medicine
   - Radiation Therapy

Admission to Candidature

2. Applicants who satisfy the academic requirements for admission to candidature shall be required to undertake selection assessment.

3. (1) The selection assessment shall consist of:
   - the submission of such written work;
   - the attendance at such interviews as the Faculty Board shall determine.

(2) Applicants who do not submit work or attend the University as required under part of the selection assessment shall be deemed to have withdrawn their applications unless a reason acceptable to the Academic Registrar is provided.

4. Applicants shall be ranked in descending order of merit for each specialisation on the basis of previous academic performance and results determined by the Faculty Board arising out of the selection assessment.

5. The Academic Registrar shall ensure that offers of admission are made in descending rank order to applicants ranked under clause 4, such that the places available in the course each year are filled.

Qualification for Admission to the Degree

6. To qualify for admission to the degree a candidate shall pass the program of study approved by the Faculty Board consisting of subjects totalling 240 credit points.

Grading of the Degree

7. The degree shall be conferred as an ordinary degree except that, where the performance of a candidate has reached a standard determined by the Faculty Board to be of sufficient merit, the degree may be conferred with Merit.

SCHEDULE — DIPLOMA OF APPLIED SCIENCE (MEDICAL RADIATION TECHNOLOGY)

Specialisations

1. The program of studies for the diploma shall be pursued in one of the following specialisations:
   - Diagnostic Radiography
   - Nuclear Medicine
   - Radiation Therapy

Qualification for Award of the Diploma

2. To qualify for the award of the diploma a candidate shall pass the program of study approved by the Faculty Board, consisting of subjects totalling 240 credit points.

Grading of the Diploma

3. The diploma shall be awarded as an ordinary diploma except that, in a case where a candidate's performance in the program has reached a level determined by the Faculty Board to be of sufficient merit, the diploma may be awarded with Merit.

SCHEDULE — BACHELOR OF APPLIED SCIENCE (CONSUMER SCIENCE)

Qualification for Admission to the Degree

1. To qualify for admission to the degree a candidate shall pass the program of study approved by the Faculty Board consisting of subjects totalling 240 credit points.

Grading of Degree

2. The degree shall be conferred as an Ordinary Degree except that, where the performance of a candidate has reached a standard determined by the Faculty Board to be of sufficient merit, the degree may be conferred with Merit.

SCHEDULE — BACHELOR OF HEALTH SCIENCE (NUTRITION & DIETETICS)

Admission to Candidature

1. Except in cases where they meet the published selection criteria determined by the Faculty Board, applicants for admission to candidature shall be required to undertake selection assessment.

2. (1) The selection assessment shall consist of:
   - the submission of such written work;
   - the attendance at such interviews as the Faculty Board shall determine.

(2) Applicants who do not submit work or attend the University as required as part of the selection assessment shall be deemed to have withdrawn their applications unless a reason acceptable to the Academic Registrar is provided.

Ranking for Selection

3. Applicants shall be ranked in descending order of merit on the basis of either:
   - academic performance based on the selection criteria determined under clause 1; or
(b) academic performance and results determined by the Faculty Board arising out of the selection assessment.

Offers of Admission
4. (1) The Academic Registrar shall ensure that offers of admission are made in descending rank order to applicants ranked under clause 3, such that the places available in the course each year are filled.

(2) The Faculty board shall determine how many places in the course should be filled from applicants ranked under parts (a) and (b) of clause 3 respectively.

Qualification for Admission to the Degree
5. To qualify for admission to the degree a candidate shall pass the program of study approved by the Faculty Board totalling 320 credit points.

Grading of Degree
6. (1) The degree shall be conferred as an ordinary degree except that, in a case where a candidate's performance in the program has reached a level determined by the Faculty Board to be of sufficient merit, the degree may be conferred with Honours.

Time Requirements
7. (1) Except with the permission of the Faculty Board, a candidate shall complete the course within five years of study from the date of commencement.

(2) A candidate who has been granted credit shall be deemed to have commenced the course from a date determined by the Dean at the time the credit is granted.

SCHEDULE — BACHELOR OF HEALTH SCIENCE

(OCUPATIONAL THERAPY)

Division of Schedule
1. This Schedule is divided into two parts, Part I being the Ordinary Degree and Part II being the Degree with Honours.

PART I — ORDINARY DEGREE

Admission to Candidature
2. Except in cases where they meet the published selection criteria determined by the Faculty Board, applicants for admission to candidature shall be required to undertake selection assessment.

3. (1) the selection assessment shall consist of:

   (a) the submission of such written work; and

   (b) the attendance at such interviews as the Faculty Board shall determine.

(2) Applicants who do not submit work or attend the University as required as part of the selection assessment shall be deemed to have withdrawn their applications unless a reason acceptable to the Academic Registrar is provided.

Ranking for Selection
4. Applicants shall be ranked in descending order of merit on the basis of either:

   (a) academic performance based on the selection criteria determined under Clause 2; or

   (b) academic performance and results determined by the Faculty Board arising out of the selection assessment.

Offers of Admission
5. (1) The Academic Registrar shall ensure that offers of admission are made in descending rank order to applicants ranked under Clause 4, such that the places available in the course each year are filled.

(2) The Faculty Board shall determine how many places in the course should be filled from applicants ranked under parts (1) and (2) of Clause 4 respectively.

Qualification for Admission to the Ordinary Degree
6. To qualify for admission to the Ordinary degree a candidate shall pass the program of study approved by the Faculty Board totalling 320 credit points.

Time Requirements
7. (1) Except with the permission of the Faculty Board, a candidate shall complete the course within five years of study from the date of commencement.

(2) A candidate who has been granted credit shall be deemed to have commenced the course from a date to be determined by the Dean at the time the credit is granted.

PART II — DEGREES WITH HONOURS

Progression to Honours Component
8. To be permitted to enrol in the Honours component a candidate shall:

   (1) have completed 240 credit points from the 100, 200 and 300 level compulsory subjects; and

   (2) have achieved a satisfactory level of competence in those subjects as may be determined by the Faculty Board.

Credit
Candidates eligible to enrol in the Honours component, having successfully completed 240 credit points, in recognition of work completed towards the ordinary degree.

Qualification for the Degree with Honours
9. To qualify for the degree with Honours a candidate shall pass the program of study approved by the Faculty Board totalling 320 credit points.

Classes of Honours
10. There shall be three classes of Honours namely Class I, Class II and Class III. Class II shall have two divisions, namely Division 1 and Division 2.

Time Requirements
11. Except with the permission of the Faculty Board, a candidate shall complete the course within six years of study from the date of commencement in the Ordinary Degree.
section four

Schedule of Postgraduate Degree and Diploma Rules

This Section contains the Rules Governing Masters Degrees and the Schedules to the rules governing the following postgraduate programs:

Graduate Diploma in Health Science
  (Primary Health Care)
  (Clinical Drug Dependence Studies)
  (Rehabilitation Counselling)

Graduate Diploma in Health Services Management

Master of Health Science
  (Primary Health Care)
  (Rehabilitation Counselling)

Master of Health Services Management

It is also recommended that reference be made to the Rules Governing Academic Awards (for awards other than Doctor and Master) located at the beginning of Section Three of this Handbook.

RULES GOVERNING MASTERS DEGREES

PART I - GENERAL


(2) In these Rules and the Schedules thereto, unless the context or subject matter otherwise indicates or requires:

"Faculty Board" means the Faculty Board of the Faculty responsible for the course in which a person is enrolled or is proposing to enrol;

"program" means the program of research and study prescribed in the Schedule;

"Schedule" means the Schedule of these Rules pertaining to the course in which a person is enrolled or is proposing to enrol; and

"thesis" means any thesis or dissertation submitted by a candidate.

(3) These Rules shall not apply to degrees conferred honoris causa.

(4) A degree of Master shall be conferred in one grade only.

2. An application for admission to candidacy for a degree of Master shall be made on the prescribed form and lodged with the Secretary to the University by the prescribed date.

3. (1) To be eligible for admission to candidacy an applicant shall:

   (a) (i) have satisfied the requirements for admission to a degree of Bachelor in the University of Newcastle as specified in the Schedule; or
   (ii) have satisfied the requirements for admission to a degree or equivalent qualification, approved for the purpose by the Faculty Board, in another tertiary institution; or
   (iii) have such other qualifications and experience as may be approved by the Academic Senate on the recommendation of the Faculty Board or otherwise as may be specified in the Schedule; and

   (b) have satisfied such other requirements as may be specified in the Schedule.

(2) Unless otherwise specified in the Schedule, applications for admission to candidacy shall be considered by the Faculty Board which may approve or reject any application.

(3) An applicant shall not be admitted to candidacy unless adequate supervision and facilities are available. Whether these are available shall be determined by the Faculty Board unless the Schedule otherwise provides.

4. To qualify for admission to a degree of Master a candidate shall enrol and satisfy the requirements of these Rules including the Schedule.

5. The program shall be carried out:

   (a) under the guidance of a supervisor or supervisors either appointed by the Faculty Board or as otherwise prescribed in the Schedule; or
   (b) as the Faculty Board may otherwise determine.

6. Upon request by a candidate the Faculty Board may grant leave of absence from the course. Such leave shall not be taken into account in calculating the period for the program prescribed in the Schedule.

7. (1) A candidate may withdraw from a subject or course only by informing the Secretary to the University in writing and such withdrawal shall take effect from the date of receipt of such notification.

   (2) A candidate who withdraws from any subject after the relevant date shall be deemed to have failed in that subject unless granted permission by the Dean to withdraw without penalty. The relevant date shall be:

   (a) in the case of a subject offered only in the first semester, the Monday of the 9th week of first semester;
   (b) in the case of a subject offered only in the second semester, the Monday of the 9th week of second semester;
   (c) in the case of any other subject, the Monday of the 3rd week of second semester.

8. (1) If the Faculty Board is of the opinion that the candidate is not making satisfactory progress towards the degree then it may terminate the candidature or place such conditions on its continuation as it deems fit.
(2) For the purpose of assessing a candidate’s progress, the Faculty Board may require candidates to submit a report or reports on their progress.

(3) A candidate against whom a decision of the Faculty Board has been made under Rule 8(1) of these Rules may request that the Faculty Board, if satisfied, may be addressed to the Dean of the Faculty within seven days from the date of posting to the candidate the advice of the Faculty Board’s decision or such further period as the Dean may accept.

(4) A candidate may appeal to the Vice-Chancellor against any decision made following the review under Rule 8(3) of these Rules.

9. In exceptional circumstances arising in a particular case, the Academic Senate, on the recommendation of the Faculty Board, may relax any provision of these Rules.

PART III - PROVISIONS RELATING TO THESES

12. (1) The subject of a thesis shall be approved by the Faculty Board on the recommendation of the Head of the Department in which the candidate is carrying out the research for the thesis.

(2) The thesis shall not contain as its main content any work or material which has previously been submitted by the candidate for a degree in any tertiary institution unless the Faculty Board otherwise permits.

13. The candidate shall give to the Secretary to the University three months’ written notice of intention to submit a thesis and such notice shall be accompanied by any prescribed fee.

14. (1) The candidate shall comply with the following provisions concerning the presentation of a thesis:

(a) the thesis shall contain an abstract of approximately 200 words describing its content;

(b) the thesis shall be typed and bound in a manner prescribed by the University;

(c) three copies of the thesis shall be submitted together with:

(i) a certificate signed by the candidate that the main content of the thesis has not been submitted by the candidate for a degree of any other tertiary institution; and

(ii) a certificate signed by the supervisor indicating whether the candidate has completed the program and whether the thesis is of sufficient academic merit to warrant examination; and

(iii) if the candidate so desires, any documents or published work of the candidate whether bearing on the subject of the thesis or not.

(2) The Faculty Board shall determine the course of action to be taken should the certificate of the supervisor indicate that in the opinion of the supervisor the thesis is not of sufficient academic merit to warrant examination.

15. The University shall be entitled to retain the submitted copies of the thesis, accompanying documents and published work. The University shall be free to allow the thesis to be consulted or borrowed and, subject to the provisions of the Copyright Act, 1968 (Cap. C), may issue it in whole or any part in photocopy or microfilm or other copying medium.

16. (1) For each candidate two examiners, at least one of whom shall be an external examiner (being a person who is not a member of the staff of the University), shall be appointed either by the Faculty Board or otherwise as prescribed in the Schedule.

(2) If the examiners’ reports are such that the Faculty Board is unable to make any decision pursuant to Rule 11 of these Rules, a third examiner shall be appointed either by the Faculty Board or otherwise as prescribed in the Schedule.

SCHEDULE — GRADUATE DIPLOMA IN HEALTH SCIENCE

Interpretation

1. In this Schedule unless the context or subject matter otherwise indicates or requires: "co-ordinator" means the co-ordinator for the specialisation concerned.

Specialisations

2. The diploma shall be awarded in one of the following specialisations:

- Clinical Drug Dependence Studies
- Primary Health Care
- Rehabilitation Counselling.

Appointee of Coordinator

3. The Faculty Board shall appoint a member who is a member of academic staff as the co-ordinator for each of the programs for the diploma.

Admission to Candidature

3. (1) Applicants for admission to candidature will be required to nominate the specialisation in which they wish to pursue their program of study.

(2) In order to be admitted to candidature for the award, an applicant shall:

(a) have completed the requirements for admission to a degree of the University; or

(b) have completed the requirements for admission to a degree at any other institution recognised by the Faculty Board; or

(c) hold such other qualifications approved by the Faculty Board for the purpose of admission to candidature.

3. (2) The co-ordinator shall, after considering an applicant’s previous academic performance in relevant studies, and any relevant professional or practical experience, make recommendations to the Faculty Board as to the applicant’s suitability for admission to candidature. The Faculty Board shall either:

(a) approve admission to candidature; or

(b) approve admission to candidature subject to the applicant completing, to the satisfaction of the Faculty Board, such prerequisite and/or corequisite studies as it may prescribe; or

(c) reject the application.

Qualification for the Diploma

4. To qualify for the award of the diploma in a specialisation, a candidate shall pass the program of study approved by the Faculty Board for that specialisation totalling 80 credit points.

Time Requirements

5. (1) Except with the permission of the Faculty Board, a candidate shall complete the course within three years of study from the date of commencement.

(2) A candidate who has been granted credit shall be deemed to have commenced the course from a date determined by the Dean at the time the credit is granted.

Transfer of Candidacy from Related Master Degree Program

6. (1) A student enrolled as a candidate for the Master of Health Science degree who is permitted to withdraw from the degree course under Rule 13 of the Rules Governing Master degrees or whose candidature is
Admission to Candidature

1. To be eligible for admission to candidature in the Faculty of Science and Mathematics an applicant shall:
   (a) have satisfied all the requirements for admission to the degree of Bachelor of Science with Honours Class I or Class II of the University or to a degree, approved for this purpose by the Faculty Board, of this or any other university; or
   (b) have satisfied all the requirements for admission to the degree of Bachelor of Science of the University or other approved university and have completed such work and passed such examinations as the Faculty Board may have determined and have achieved a standard at least equivalent to that required for admission to a degree of bachelor with second class Honours in an appropriate subject; or
   (c) in exceptional cases produce evidence of possessing such other qualifications as may be approved by the Faculty Board.

Qualification for the Degree

3. To qualify for admission to candidature an applicant shall:
   (a) have satisfied the requirements for the Graduate Diploma in Health Science of the University and passed the examinations in that Diploma at such standards as the Board may prescribe; or
   (b) have satisfied the requirements for admission to a Bachelor degree, approved for this purpose by the Faculty Board; or
   (c) in exceptional cases produce evidence of possessing such other qualifications as may be approved by the Faculty Board.

Credit

5. A candidate who has completed all requirements for the award of the Graduate Diploma in Health Science may be granted credit of up to 80 credit points.

Time Requirements

6. (1) The program shall be completed in not less than two years and not more than five years except with the permission of the Faculty Board.
   (2) A candidate who has been granted credit shall be deemed to have commenced the course from a date determined by the Dean at the time the credit is granted.

SCHEDULE - MASTER OF HEALTH SCIENCE

Classification

1. The Master of Health Science shall be a degree by coursework offered in the Faculty of Health Sciences.

Areas of Specialisation

2. (1) The program of studies for the degree shall be pursued in such specialisations as the Academic Senate, on the recommendation of the Faculty Board, may approve from time to time.
To be eligible for admission to candidature in the Faculty of Health Sciences an applicant shall:

(a) have satisfied the requirements for admission to a relevant professional Bachelor degree of the University or to a degree approved for this purpose by the Faculty Board; or

(b) have completed such work and passed such examinations as the Faculty Board may have determined and have achieved a standard at least equivalent to that required for admission to a degree of Bachelor with second class Honours; or

(c) in exceptional cases produce evidence of possessing such other qualifications as may be approved by the Faculty Board on the recommendation of the Head of the Department in which the candidate proposes to carry out the program.

Qualification for the Degree

3. To qualify for admission to the degree a candidate shall complete to the satisfaction of the Faculty Board a program consisting of:

(a) such work and examinations as may be prescribed by the Faculty Board; and

(b) a thesis embodying the results of an original investigation or design.

Time Requirements

4. The program shall be completed:

(a) in not less than two academic years except that, in the case of a candidate who has completed the requirements for a degree of Bachelor with Honours or a qualification deemed by the Faculty Board to be equivalent or who has had previous research experience, the Faculty Board may reduce this period to not less than one academic year; and

(b) in not more than 5 years, except with the permission of the Faculty Board.

SCHEDULE - MASTER OF HEALTH SERVICES MANAGEMENT

Classification

1. The degree of Master of Health Services Management shall be a degree by coursework offered in the Faculty of Health Sciences.

Interpretation

2. In this Schedule unless the context or subject matter otherwise indicates or requires:

"Board" means the Board of Studies in Health Services Management.

Admission to Candidature

3. (1) To qualify for admission to candidature an applicant shall:

(a) have satisfied the requirements for the Graduate Diploma in Health Services Management of the University and passed the examinations in that Diploma at such standards as the Board may prescribe; or

(b) hold a Bachelor degree or other qualification approved for this purpose by the Board, have a minimum of two years health services work experience and be employed in a field of health services.

(2) Notwithstanding sub-Clause (1), the Board shall consider each application and if it is of the opinion that the applicant's academic background is not of sufficient standard to enable the satisfactory completion of the course may:

(a) require the applicant to complete such prerequisite and/or corequisite studies as it may prescribe; or

(b) reject the application.

Qualification for the Degree

4. To qualify for admission to the degree a candidate shall complete subjects totalling not less than 120 credit points from the list of subjects approved by the Board. Credit

3. (1) Credit will not normally be granted for more than 60 credit points, although the Board may grant credit to a candidate for as many credit points as the Board determines in recognition of completed subjects which have not been counted previously towards a completed award.

(2) A candidate who has completed all requirements for the award of the Graduate Diploma in Health Services Management may be granted credit of up to 80 credit points.

Time Requirements

6. (1) Except with the permission of the Board, a candidate shall complete the course within four years of the date of commencement.

(2) A candidate who has been granted credit shall be deemed to have commenced the course from a date determined by the Dean at the time the credit is granted.
section five
Approved Subjects and Course Details for each Undergraduate Program

DIPLOMA OF APPLIED SCIENCE (MEDICAL RADIATION TECHNOLOGY)
- Diagnostic
- Radiation Therapy
- Nuclear Medicine

Note: Students enrolled prior to 1992 (ie continuing students only) in Medical Radiation Technology – the Year One (100 level) subjects were offered for the last time in 1993, given that the course is being phased out. Year Two (200 level) subjects will be offered for the last time in 1994, and Year Three subjects will be available in 1995 for the last time.

Duration: 3 years full time
Availability: On Campus (continuing students only. No further intakes).
Attendance: Full-time
Total Credit Points: 240
Course Coordinator: Mr Tony Buxton

APPROVED PROGRAM OF STUDY

<table>
<thead>
<tr>
<th>Year</th>
<th>All Strands</th>
<th>Cp</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>RA110S Physics for M.R. Technologists</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>RA111S Imaging Instrumentation</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>RA112S Anatomy and Physiology I</td>
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<tr>
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<td>RA113S Techniques and Surface Anatomy I</td>
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<td></td>
<td>RA114S Clinical Studies</td>
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<tr>
<td></td>
<td>RA115Q Computer Technology for M.R.T.</td>
<td>5</td>
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<tr>
<td></td>
<td>RA116N Principles of Patient Care</td>
<td>5</td>
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<td>Year 2</td>
<td>Diagnostic Strand</td>
<td>Cp</td>
</tr>
<tr>
<td></td>
<td>RA214S Imaging Instrumentation II</td>
<td>10</td>
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<tr>
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<td>RA215S Anatomy and Physiology II</td>
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<tr>
<td></td>
<td>RA216S Techniques and Surface Anatomy II</td>
<td>15</td>
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<tr>
<td></td>
<td>RA217S Pathology</td>
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<tr>
<td>Year 2</td>
<td>Radiation Therapy Strand</td>
<td>Cp</td>
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<tr>
<td></td>
<td>RA211S Radiation Therapy Practice I</td>
<td>15</td>
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<tr>
<td></td>
<td>RA215S Anatomy &amp; Physiology II</td>
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</tr>
<tr>
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<td>RA217S Pathology</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>RA218S Clinical Studies II</td>
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</tr>
<tr>
<td></td>
<td>RA219W Behavioural Studies</td>
<td>10</td>
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<tr>
<td></td>
<td>RA220S Radiation Therapy Principles</td>
<td>10</td>
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<tr>
<td>Year 2</td>
<td>Nuclear Medicine Strand</td>
<td>Cp</td>
</tr>
<tr>
<td></td>
<td>RA221S Radiation Therapy Practice I</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>RA225S Nuclear Medicine Practice I</td>
<td>15</td>
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<tr>
<td>Year 3</td>
<td>Diagnostic Strand</td>
<td>Cp</td>
</tr>
<tr>
<td></td>
<td>RA315S Anatomy &amp; Physiology II</td>
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<td>RA316S Techniques and Surface Anatomy III</td>
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<td></td>
<td>RA320S Clinical Studies III</td>
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<td>Year 3</td>
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<td></td>
<td>RA318S Cross Sectional Anatomy</td>
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<tr>
<td></td>
<td>RA319W Bioethical &amp; Social Issues in Health Care</td>
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<tr>
<td></td>
<td>RA320S Clinical Studies III</td>
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<td>RA321S Radiation Therapy Practice II</td>
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<tr>
<td></td>
<td>RA322S Principles of Oncology</td>
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<tr>
<td>Year 3</td>
<td>Nuclear Medicine Strand</td>
<td>Cp</td>
</tr>
<tr>
<td></td>
<td>RA317S Studies in Ultrasound</td>
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<td></td>
<td>RA318S Cross Sectional Anatomy</td>
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<tr>
<td></td>
<td>RA319W Bioethical &amp; Social Issues in Health Care</td>
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<td></td>
<td>RA320S Clinical Studies III</td>
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<tr>
<td></td>
<td>RA321S Radiation Therapy Practice II</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>RA322S Principles of Oncology</td>
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</table>

BACHELOR DEGREES
This section contains the course programmes which have been approved by the Faculty Board in accordance with the schedules to rules governing undergraduate degrees in Occupational Therapy, Nutrition and Dietetics, Consumer Science and Medical Radiation Technology. Verification and specific enquires for these courses can be directed to the Faculty Secretariat or Course Co-ordinator as indicated.

BACHELOR OF HEALTH SCIENCE (OCCUPATIONAL THERAPY) — ORDINARY DEGREE
Duration: 3.5 years full-time for continuing students, 4 years full-time for commencing students.
Availability: On Campus
Attendance: Full-Time
Total Credit Points: 280
Course Coordinator: Ms Patricia Jacobs

Course Description
The Bachelor of Health Science [Occupational Therapy] is one of several health professional education programs developed by the Faculty of Health Sciences, which adopts a common core plus professional strand design. The common core subjects are applicable to all undergraduate health practitioner programs and those of the professional strand cover all professional preparation requirements.

The design is in line with current thinking in both health and tertiary education spheres. The core rationale aims to foster breadth of vision on health issues, and to develop problem solving abilities, communication skills and ability to cope with conflict and change. It includes consideration of professional role boundaries and encourages clearer definition of the roles of different health practitioners in a number of practice domains. Essentially, the focus is on a multidisciplinary, holistic approach to health, taking into account Australia's current health inequalities and health goals. The Occupational Therapy dedicated material aims to produce competent occupational therapy practitioners who will be able to function safely and effectively in any domain of occupational therapy practice.

Continuing students note: years 2, 3 and 4 contain changes in subject codes and structure.
<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
<th>Year 4</th>
<th>Year 5</th>
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<tr>
<td>HOLH101 Health I</td>
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<td>HOLH101 Health I</td>
<td>HOLH101 Health I</td>
<td>HOLH101 Health I</td>
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<tr>
<td>OCCT201 Occupational Therapy Practice 2</td>
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<td>OCCT201 Occupational Therapy Practice 2</td>
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<tr>
<td>Year 4 (Honours Degree)</td>
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<td>Year 6 (Honours Degree)</td>
<td>Year 7 (Honours Degree)</td>
<td>Year 8 (Honours Degree)</td>
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<td>CP</td>
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</tr>
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<td>OCCT201 Occupational Therapy Practice 2</td>
<td>OCCT201 Occupational Therapy Practice 2</td>
<td>OCCT201 Occupational Therapy Practice 2</td>
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<tr>
<td>CP</td>
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<td>CP</td>
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</tbody>
</table>

**Bachelor of Health Science (NUTRITION & DIETICS)**

- Duration: 4 years full-time
- Availability: On Campus
- Attendance: Full-time
- Total Credit Points: 320
- Course Coordinator: Ms Yvonne Webb
- Course Description: A four year integrated course, this degree comprises strands of study in Health, Social Science, Biological and Food Science, Food Service and Nutrition.

The approach is to develop problem-solving and communication skills and is based on a holistic approach to health.

Students will complete over 1000 hours of supervised practice in a variety of settings.

Continuing students note: Years 2, 3 and 4 contain changes in subject codes and structure.

All subjects are full year subjects (i.e. Semester 3) with the exception of ALSC106, which is Semester Two.

**Course Outline**

- Year 1
- Year 2
- Year 3

**Approved Subjects – Undergraduate Program**

**Faculty of Health Sciences**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MRTC102</td>
<td>MRT Instrumentation</td>
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<tr>
<td>ALSCI03</td>
<td>Human Anatomy &amp; Physiology I</td>
</tr>
<tr>
<td>MRTC104</td>
<td>Medical Radiation Techniques</td>
</tr>
<tr>
<td>MRTC105</td>
<td>Clinical Applications I</td>
</tr>
<tr>
<td>MRTC106</td>
<td>MRT Computing</td>
</tr>
<tr>
<td>MRTC107</td>
<td>MRT Patient Care</td>
</tr>
<tr>
<td>MRTC201</td>
<td>Diagnostic Instrumentation</td>
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<tr>
<td>ALSCI03</td>
<td>Human Anatomy &amp; Physiology II</td>
</tr>
<tr>
<td>MRTC203</td>
<td>Diagnostic Radiography</td>
</tr>
<tr>
<td>MRTC108</td>
<td>Diagnostic Instrumentation</td>
</tr>
<tr>
<td>ALSCI03</td>
<td>Human Anatomy &amp; Physiology II</td>
</tr>
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<td>MRTC203</td>
<td>Diagnostic Radiography</td>
</tr>
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<td>MRTC109</td>
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<tr>
<td>ALSCI03</td>
<td>Human Anatomy &amp; Physiology II</td>
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<td>MRTC203</td>
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<td>ALSCI03</td>
<td>Human Anatomy &amp; Physiology II</td>
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<td>MRTC203</td>
<td>Diagnostic Radiography</td>
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<td>MRTC109</td>
<td>Diagnostic Instrumentation</td>
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<tr>
<td>ALSCI03</td>
<td>Human Anatomy &amp; Physiology II</td>
</tr>
<tr>
<td>MRTC203</td>
<td>Diagnostic Radiography</td>
</tr>
</tbody>
</table>

**Note:** An Honours option was introduced in 1993 for those students completing their final year. For continuing students undertaking the Honours option, the course is 4 years in length. Continuing students in the ordinary degree complete 3.5 years only.
Nuclear and marketing products; and assisting consumers meet their needs and wants; developing, promoting and implementing integrated action programmes; and consumer and the environment.

A proposal for an Honours program in the Bachelor of Applied Science (Consumer Science) is proposed for 1994. At the time of publication, approval of the Honours program was being sought. Please see the Faculty Secretary for more information.

**APPROVED PROGRAM OF STUDY**

Note: Where a subject code has changed the alias for the subject is indicated in brackets after the subject name.

1. **Approved Program for Students Commencing in 1991**

<table>
<thead>
<tr>
<th>Set Subjects</th>
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<tbody>
<tr>
<td>AF101S Food and Textile Science</td>
<td>20</td>
</tr>
<tr>
<td>AF102S Food and Nutrition</td>
<td>20</td>
</tr>
<tr>
<td>AF103S Textiles and Apparel Technology I</td>
<td>20</td>
</tr>
<tr>
<td>MNGT230 Marketing Principles (BU112B)</td>
<td>10</td>
</tr>
<tr>
<td>AF2013 Consumer Studies</td>
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<tr>
<td>NUDI201 Consumer Consumer</td>
<td>90</td>
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</tbody>
</table>

Subjects to the value of 150 credit points to be selected from:

- ASTK334 Computer Technology III or INFO101 Introduction to Information Systems
- MNGT227 Human Resource Management (BU223B)
- NUDI207 Food Science II (AP201S)
- NUDI208 Applied Nutrition II (AP202S, ALS208)
- AF203S Textile Technology II
- AF204S Apparel Technology II
- AF303S Textile Performance
- AF304S Apparel Technology III
- NUDI304 Food Technology (AF301S)
- NUDI305 Applied Nutrition III (AF302S)
- MNGT338 Advertising and Promotions

Management approved Elective(s) 30

Total 240 credit points

2. **Approved Program for Students Commencing in 1992**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>AF101S Food and Textile Science</td>
<td>20</td>
</tr>
<tr>
<td>AF102S Food and Nutrition</td>
<td>20</td>
</tr>
<tr>
<td>NUDI291 Consumer Studies (AP201B)</td>
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<tr>
<td>MNGT111 Introduction to Management and Organisational Behaviour (BU112B)</td>
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</tr>
<tr>
<td>MNGT230 Marketing Principles (BU112B)</td>
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</tr>
</tbody>
</table>

Subjects to the value of 160 credit points to be selected from:

- AF103S Textile and Apparel Technology I
- ASTK334 Computer Technology III or INFO101 Introduction to Information Systems
- NUDI207 Food Science II (AP201S)
- NUDI208 Applied Nutrition II (AP202S)
- AF203S Textile Technology II
- AF204S Apparel Technology II
- AF303S Textile Performance
- AF304S Apparel Technology III
- NUDI304 Food Technology (AF301S)
- NUDI305 Applied Nutrition III (AF302S)
- MNGT338 Advertising and Promotions

Management approved Elective(s) 30

Total 240 credit points
Approved Subjects and Course Details for each Postgraduate Program

This section contains the course programmes which have been approved by the Faculty Board in accordance with regulations governing Postgraduate Diplomas and Masters Degrees in the Faculty of Health Sciences for Primary Health Care, Clinical Drug Dependence Studies, Rehabilitation Counselling and Health Services Management. Verification of details and specific enquiries for these courses can be directed to the Faculty Secretary or Course Co-ordinator as indicated.

Continuing Students

Please note that all subject codes have been amended. The "old" subject code is indicated as an alias to assist in determining your program.

<table>
<thead>
<tr>
<th>GRADE DIPLOMA IN HEALTH SCIENCE</th>
<th>Year 1</th>
<th>Cp</th>
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</thead>
<tbody>
<tr>
<td>(Primary Health Care)</td>
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<tr>
<td>(Clinical Drug Dependency Studies)</td>
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<td></td>
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<tr>
<td>(Rehabilitation Counselling)</td>
<td></td>
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<tr>
<td>Duration: 2 years part-time or equivalent full-time</td>
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<td>Availability: On campus</td>
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<td>Total Credit Points: 80</td>
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<tr>
<td>Course Coordinators</td>
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</tr>
<tr>
<td>Mr. J. Knight (Primary Health Care)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr A. Nicholas (Clinical Drug Dependence Studies)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr A. Nicholas (Rehabilitation Counselling)</td>
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</tr>
</tbody>
</table>

The Graduate Diploma in Health Science is a postgraduate program which follows a pattern of common core studies plus professional specialisations. The course will be offered on a part-time basis over two years and subject to demand, may be offered full-time over one year. The Graduate Diploma is based on an educational philosophy which advocates a focus on illness prevention and health promotion in the curricula of all health professionals. The common core addresses the need for health professionals and those from related disciplines to have access to studies which emphasise equally the problems of social risk imposition and individual risk taking, and commensurately health protection and prevention approaches. Additionally the core emphasises education for multidisciplinary problem solving, clear specification of intended outcomes and the respective contribution of the different professions.

In order to adequately understand the whole health context and to work effectively within it, health professionals also need an appreciation of the structure and functions of the organisations, authorities and other components which make up the health care system at national, state and local levels. It follows that health professionals also require skill in designing studies to collect data which will inform health service provision, and in analysing and interpreting this data. Students will specialise in one of the three areas of study.

Primary Health Care

Primary Health Care addresses the fundamental aspects of good health for individuals and populations in society and is founded upon the philosophies of Health Care Incorporated in the World Health Organisation Charters of Alma Ata (1978), Ottawa (1986) and Liverpool (1988).

It is informed by a definition of health which emphasises quality of life within a human ecology framework. It focuses on holistic health issues and on policies concerning social changes which can alter behaviour patterns to improve health. The impact of health on policies and actions outside the health sector and how individuals and communities can be encouraged to alter their lifestyles to improve their own health is also addressed.

It examines the need for social justice as a prerequisite for optimum health care, the strengthening of community power, the development of skills of mediation and advocacy and the creation of supportive, stable, clean environments for health.

Primary Health Care includes such considerations as communication patterns within society, the provision of community infrastructures, government policy formulation aimed at optimising public health care, and local council provision of health orientated services.

In addition to the health sector, it addresses those concerned with food, industry, education, housing, town and city planning, public works, government structures and communications, examining their function and interrelationships.

It requires and promotes maximum community and individual self reliance and participation in the planning, organisation, operation and control of health care, making fullest use of local, national and other available resources; and to this end develops through appropriate education the ability of communities to participate.

It needs to be sustained by integrated, functional and mutually supportive referral systems, leading to the progressive improvement of comprehensive health care for all, and giving priority to those most in need.

The Graduate Diploma in Health Science (Primary Health Care) consists of not only the specific subjects of the Principles and Practice of Primary Health Care but also Health Ecology, the Health Care System, Health Research Design and Problem Solving Strategies in Health.

Areas covered within the course include: the Australian Health Care system, the policies of health, assessment of health needs and design and development of programs to meet those needs, community participation and development health promotion, multidisciplinary and intersectoral health care team functioning and the development of effective interpersonal skills for Primary Health Care.

In addition the course covers applied research and evaluation skills in Primary Health Care.

Those people working in primary health care might include health surveyors, health promotion personnel, doctors, nurses, dental health therapists, the police, public housing authorities, public health authorities, geographers, welfare workers, family and community health workers, refuge workers, members of local, health authorities, community midwives, and hospital based health services.

APPROVED PROGRAM OF STUDY - PRIMARY HEALTH CARE

<table>
<thead>
<tr>
<th>Subject Code</th>
<th>Name [Alias]</th>
<th>Cp</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOLH501</td>
<td>Principles of Primary Health Care [HSS31P]</td>
<td>10</td>
</tr>
<tr>
<td>HOLH501</td>
<td>Holistic Health [HSS01P]</td>
<td>20</td>
</tr>
<tr>
<td>HOLH502</td>
<td>Health Research Design [HSS02P]</td>
<td>10</td>
</tr>
<tr>
<td>HOLH502</td>
<td>Health Research Design [HSS02P]</td>
<td>40</td>
</tr>
</tbody>
</table>
Subject Code | Name [Alias] | Cp
--- | --- | ---
**Year 2**
HOLH532 | Primary Health Care Planning and Practice [HSS32P] | 30
HOLH530 | Directed Study [HSS33P] | 10
or
or
Approved | Elective | 40

**Clinical Drug Dependence Studies**
The Clinical Drug Dependence Studies specialisation aims to identify and present a body of knowledge and skills common to a group of workers who come into the drug and alcohol field from a diversity of academic and experiential backgrounds and who will operate within it at different levels and in different capacities. Competent workers in the drug and alcohol field need to have basic knowledge of human physiology, pharmacology, psychology and sociology and they need in-depth knowledge of the actiology of dependence and of the principles of treatment. On the skills side, they need to be able to liaise with the many relevant facilities available, to act as competent counsellor therapists, and to clarify and assess their own personal values.

**Approved Program of Study - Clinical Drug Dependence Studies**

<table>
<thead>
<tr>
<th>Code</th>
<th>Name [Alias]</th>
<th>Cp</th>
</tr>
</thead>
</table>
| **Year 1**
| PSHS511 | Basic Process [HSS11M] | 10
| PSHS512 | Counselling Theory and Procedures [HSS12M] | 20
| HOLH502 | Health Research Design [HSS02P] | 10 |
| **Year 2**
| PSHS513 | Treatment and Prevention [HSS13M] | 10
| PSHS514 | Advanced Counselling [HSS14M] | 10
| HOLH501 | Holistic Health [HSS01P] | 20

**Rehabilitation Counselling**
The Rehabilitation Counselling specialisation includes theoretical and practical approaches to understanding policies and legislation, communication and counselling, groups dynamics and team work. As well, functional disability of a wide range of disorders, injuries, and barriers to living independently are studied and the process of restoring individuals to optimal functioning including physical, psychological and vocational aspects are addressed.

The Rehabilitation Counsellor works with individuals to examine the opportunities for rehabilitation of the injury/condition in terms of employment, independent living, and social/ emotional development. The focus is on assisting individuals to adjust to limitations and maximise their potential, taking into account a number of discrete systems which play a vital role in rehabilitation. These systems result in a complex interplay of forces on the client and include the workplace, the insurer, the family and the health system itself. The coursework is therefore designed to equip the Rehabilitation Counsellor to play a central role in managing the interplay of such forces, and co-ordinating them for the well-being of the client.

**Approved Program of Study - Rehabilitation Counselling**

<table>
<thead>
<tr>
<th>Code</th>
<th>Name [Alias]</th>
<th>Cp</th>
</tr>
</thead>
</table>
| **Year 1**
| PSHS501 | Principles in Rehabilitation 1 [HSS41W] | 10
| PSHS502 | Rehabilitation Counselling 1 [HSS46W] | 10
| HOLH501 | Holistic Health [HSS01P] | 20 |
| **Year 2**
| PSHS503 | Principles in Rehabilitation 2 [HSS43W] | 10
| PSHS504 | Rehab. Counselling 2 [HSS44W] | 20
| HOLH502 | Health Research Design [HSS02P] | 10 |

**Master of Health Science (Primary Health Care)**
(Rehabilitation Counselling)

These programs were introduced in 1992 for the first time and are a logical academic extension of the aligned Graduate Diploma in Health Science programs (see above). The Graduate Diploma program is normally attempted over two part-time years.

The degree has a wide range of activities, a multi-professional core of health subjects and a longer, guided period for development and completion of its research projects than most Honours programs. Under normal admission, candidates will enter the second full-time equivalent year of the Masters program (the research thesis year). Those who have completed this University's associated Graduate Diploma in Health Science will be given advanced standing for the first full-time equivalent year of the Masters degree program.

**Approved Program of Study**

<table>
<thead>
<tr>
<th>Faculty of Health Sciences</th>
<th>Section Six</th>
<th>Approved Subjects - Postgraduate Program</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Year 1 (Part-Time)</strong></td>
<td>Cp</td>
<td>Semester</td>
</tr>
<tr>
<td>HOLH561</td>
<td>Health Care Systems</td>
<td>10</td>
</tr>
<tr>
<td>MED632</td>
<td>Health Economics</td>
<td>10</td>
</tr>
<tr>
<td>COMM508</td>
<td>Management Accounting</td>
<td>10</td>
</tr>
<tr>
<td>MNGT555</td>
<td>Introduction to Management</td>
<td>10</td>
</tr>
</tbody>
</table>
| **Year 2 (Part-Time)**
| MED613 | Basic Biostatistics | 10 | 1 |
| LAW520 | Health Service Law | 10 | 1 |
| HOLH562 | Health Services Management | 10 | 2 |
| ECONS503 | Employment Relations | 10 | 2 |
This section contains descriptions of the content of subjects available to students in the Faculty of Health Sciences. Each subject has been given a unique code, title and credit point value. Subject codes were revised for 1993. For those subjects which are components of a course being phased out, such as the Diploma of Applied Science (Medical Radiation Technology) the codes remain unchanged.

The credit point value of a subject indicates the workload of a subject as a proportion of a normal full-time programмер (80 credit points). Similarly, the Credit Point Value of a subject indicates the proportion of the annual HECS liability which arises from enrolment in the subject.

The subjects have been divided into:

(i) Undergraduate Subjects (under the headings of: Radiography Diploma; Health Studies, Applied Life Sciences, Psychosocial Health Studies, Health Professions, Radiography Degree and Consumer Science) and

(ii) Postgraduate Subjects (under the headings of: Graduate Diploma in Health Science; Graduate Diploma/Master of Health Services Management).

Students will be advised on the assessment procedures and requirements for each subject by the relevant department offering the subject.

Full details about semester of offer, pre and co requisites are in Section Eight. Please check that Section carefully to ensure all pre and corequisites are met.

### Section Seven

### Subject Descriptions

This subject provides the student with the opportunity to develop basic radiographic skills. These skills will be further developed through practice with radio-opaque mannequins in addition to clinical experience obtained during Clinical Studies 1.

**RA114S CLINICAL STUDIES 1** 15cp

Last offered in 1993.

Corequisite RA113S

This subject provides the student with the opportunity to apply theoretical concepts in a clinical setting. In addition, the skills of positioning introduced in Techniques and Surface Anatomy 1 will be further reinforced. The integrated blocks of clinical studies will facilitate increased confidence and competence in the performance of selected procedures. At the same time, the student will gain a better understanding of the health care team and the role of the medical radiation technologist as a member of that team.

**RA115S COMPUTING TECHNOLOGY IN MEDICAL RADIATION TECHNOLOGY** 5cp

Last offered in 1993.

Students will study the application of computer technology in organ imaging. Topics include: hardware, software, application in cardiac studies, computerised axial tomography, ultrasound investigations, archival systems for storage and retrieval, data management systems, word processing, graphics and spreadsheets.

**RA116N PRINCIPLES OF PATIENT CARE** 5cp

Last offered in 1993.

This subject will assist students to understand the basic principles of patient care, and to gain a perspective on the role of their chosen profession in the overall care of the patient.

**RA214S IMAGING INSTRUMENTATION 2** 10cp

Last year of offer.

Prerequisite RA110S, RA111S

This subject provides the student with further opportunity to develop an understanding of the mode of operation of frequently encountered radiographic, ultrasonic and nuclear medicine instrumentation.
Section Seven

Radiography

Subject Descriptions

- pulse height analysis, multichannel analysers;
- semiconductor detectors;
- liquid scintillation counters;
- probe systems and collimation;
- whole body counters;
- bone densitometers - single and dual photon;
- gamma camera - design and principles;
- collimators for gamma camera;
- analogue and digital display and recording devices.

This subject provides the opportunity to develop a better understanding of the health care team and the role of the medical radiation technologist as a member of that team.

The examinations and procedures in the modules covered in this foundation study will equip the student with the range of skills and knowledge of medical ultrasonography.

This subject provides the student with the opportunity to develop study in cross-sectional anatomy.

This subject provides the student with the opportunity to apply theoretical concepts in a clinical setting. In addition, the skills of positioning introduced in Techniques and Surface Anatomy 3 and Studies in Ultrasound will be further reinforced.

The integrated blocks of clinical studies will facilitate increased confidence and competence in the performance of selected medical organ imaging procedures. At the same time, the student will gain a better understanding of the health care team and the role of the medical radiation technologist as a member of that team.

The examinations and procedures in the modules covered in this foundation study will equip the student with the range of skills and knowledge of medical ultrasonography.
RA321S RADIATION THERAPY PRACTICE II 15cp
The subject encompasses specialised procedures in radiotherapy, computer planning and the application of computerised tomography in treatment planning. Topics include:
- treatment planning;
- advanced hand planning techniques;
- tissue compensation;
- mould room;
- irradiation modalities and applications;
- electron beam, evaluation and use;
- principles of mixing modalities;
- Interactive CT planning;
- 3-D planning;
- MRI localisation and planning of tumour treatment;
- ultrasound localisation and planning of tumour treatment;
- advanced computer aided planning systems.

RA322S PRINCIPLES OF ONCOLOGY 15cp
This subject aims to develop an understanding of the various methods of treatment and their rationale. Topics include:
- dose tolerance at specific sites;
- treatment methods.

RA323S TUMOUR PATHOLOGY 10cp
This subject will develop an understanding of tumour types, classifications, patterns of growth and methods of spread. Topics include:
- tumours;
- tumour growth patterns;
- tumour spread;
- classification of tumours;
- tumour histology;
- tumours of specific regions.

RA326S NUCLEAR MEDICINE PRACTICE II 15cp
Topics in this subject include:
- Applications of radionuclides for:
  - cardiovascular system;
  - endocrine system;
  - tumour localisation;
  - infection localisation;
  - therapeutic applications;
  - in vivo tracer studies;
  - paediatric applications;
  - positron emission tomography;
  - bone densitometry;
  - the Gamma Camera;
  - digital and multiscrystal cameras;
  - nuclear medicine computer systems;
  - single photon emission tomography;
  - positron emission tomography;
  - magnetic resonance imaging and spectroscopy;
  - tracer principles;
  - in vivo quantitation;
  - statistical techniques;
  - fourier theory;
  - recent developments.

HEALTH STUDIES SUBJECTS

HOLH101 HEALTH 1 10cp
Semester Offered Full Year
Establishes a transdisciplinary perspective on health, acts as a foundation for the health subjects across the following three or four years of the course and examines the individual and their health practices, exploring the ideas of self-responsibility in personal health. The importance of research as a necessary tool of practice is also examined.

Health I focuses on individual health and the factors which influence individual well-being. It addresses health from an historical, cultural and ecological perspective and examines ways and means of assessing and promoting individual health. The health of individuals is seen to be an introduction to the future subjects and Health I seeks to establish in students a sound grounding for Health II, Health III and Health IV.

HOLH201 HEALTH 2 10cp
Prerequisite HOLH101 Health 1
Semester Offered Full Year
Develops an understanding of interactional relationships between the family, the community and health with particular reference to the Hunter Region and examines discipline statistics using relevant epidemiological data.

HOLH301 HEALTH 3 10cp
Lecturer To be advised
Prerequisite HOLH201 Health 2
Corequisite Nil
Hours 4 hours per week face-to-face
Semester Offered Full Year
Examination/Assessment Progressive assessment and a final examination

Content
This third year of the undergraduate curriculum in Health further expands the student's boundaries of understanding of health. Emphasis continues on the interdependence of a range of factors which influence health at an individual, group, community, national and global level. This understanding will influence all facets of health professional practice.

Pivotal to this phase of the health curriculum is a critical re-examination of a comprehensive range of models, concepts and strategies for change. Research concepts and strategies which have been used to appraise health status, health differences and health inequalities.

Measures to improve health nationally and globally are examined, as are the research methods to document their health status and the impact of policies and strategies for change. Research concepts and strategies will be incorporated into each Unit.

Texts
To be advised
References
HOLH400 HEALTH 4 5cp
Lecturer To be advised
Prerequisite HOLH301 Health 3
Corequisite Nil
Hours 2 hours per week face-to-face
Semester Offered Semester One
Examination/Assessment Progressive Assessment

Content
This subject completes the sequence of Health subjects for Occupational Therapy. Emphasis is placed on the interdependence of a range of factors which influence a community, national and global level which include measures and strategies to improve health.

Texts
To be advised
References
HOLH301 Health 3
Hours 4 hours per week face-to-face
Semester Offered Full Year
Examination/Assessment Progressive Assessment

Content
This final subject of the undergraduate Health curriculum for Nutrition and Dietetics completes
the critical examination of models, concepts and strategies introduced throughout the previous three years of the program. Emphasis is placed on the interdependence of a range of factors which influence health at a national and global level. Measures to improve the health of nations are examined; research methods and strategies are incorporated.

Texts
To be advised

References
To be advised

APPLIED LIFE SCIENCES SUBJECTS

ALSC101 HUMAN BIOSCIENCI I 20cp
Prerequisite Nil
Corequisite Nil
Hours 5 hours per week
Semester Offered Full Year
Subject Coordinator Paul McGrath
Examination Assessment is based on short tests and laboratory reports throughout the year as well as a semester exam and a final year exam.

Content
This subject is designed to provide a foundation study in the life sciences with particular emphasis on human anatomy and physiology. It will provide the basis for subsequent development of more profession-specific subjects.

Texts

ALSC102 HUMAN BIOSCIENCI 1A 15cp
Prerequisite Nil
Corequisite ALSC108
Hours 5 hours per week
Semester Offered Full Year
Examination Assessment is based on short tests and laboratory reports throughout the year as well as a semester exam and a final year exam.

Content
This subject is designed to provide students of Occupational Therapy with a foundation study in the life sciences, with particular emphasis on human anatomy and physiology. It will provide the basis for the development of a more profession specific subject in Second Year.

Texts

ALSC103 HUMAN ANATOMY & PHYSIOLOGY I 20cp
Prerequisite Nil
Corequisite Nil
Hours 5 hours per week face-to-face, five hours per week directed study

Semester Offered Full Year
Examination The subject is assessed by tutorials, tutorial laboratory problems, practical reports, written examinations and viva voce examinations.

Content
The following topics are sequenced to provide a logical systematic study in human anatomy and physiology, at the same time ensuring that topic sequencing affords maximum integration with the core Year 1 professional preparation subject - Medical Radiation Techniques.

- Cell and tissue histology;
  - cells and tissue structures
  - viruses
  - cell membrane and osmotic fragility
- Detailed regional anatomy and physiology;
  - basic osteology and ossification, joints
  - shoulder girdle and upper limb
  - pelvic girdle and lower limb
  - back, head and neck
- Overview of body systems;
  - nervous, endocrine
  - cardiovascular, lymphatic, respiratory
  - renal, reproductive, gastrointestinal
- Abdominal cavity;
  - landmarks, regions, boundaries
  - relationships of abdominal viscera
- Respiratory anatomy and physiology (including thoracic cavity);
- Gastrointestinal System
- Renal System
- Nervous System
- Special Senses
- Cardiovascular System
- Reproductive System

Texts
Fowuiatfons

References

ALSC104 CHEMISTRY (N & D) 10cp
Lecturer H. White
Prerequisite Nil
Corequisite Nil
Hours 4 hours per week
Semester Offered Full Year
Examination/Assessment
Laboratory reports, seminar and final examination
Content
This subject is designed to provide students of Nutrition and Dietetics with foundation studies in chemistry which will underpin further studies in biochemistry, human physiology and nutrition.
Texts

ALSC106 EMBRYOLOGY AND COMPARATIVE PHYSIOLOGY 10cp
Prerequisite Nil
Corequisite ALSC101 Human Bioscience I or IA
Hours 4 hours per week
Semester Offered Semester Two
Subject Coordinator Paul McGrath
Examination Assignments, laboratory reports, seminars, semester exam.
Content
This subject will provide an introduction to basic concepts in embryology. Some important aspects of comparative anatomy and physiology of the animal kingdom will be made. Important aspects of plant physiology and genetics will be introduced.
Texts
No set text.

ALSC108 HUMAN ANATOMY I (O/T) 10cp
Corequisite ALSC102 Human Bioscience I
Semester Offered Full Year
This subject will provide a sound foundation in musculo-skeletal anatomy, specifically as it relates to the practice of Occupational Therapy.

ALSC109 FOOD SCIENCE 10cp
Lecturer H. White
Prerequisite Nil
Corequisite Nil
Hours 4 hours per week
Semester Offered Full Year
Examination/Assessment
Laboratory reports, seminar and final examination
Content
This subject is designed to provide Consumer Science students with a sound foundation in the chemical sciences underpinning further studies in food science and nutrition.
Texts

ALSC202 HUMAN BIOSCIENCE IIA 10cp
Lecturer To be advised
Prerequisite ALSC102 Human Bioscience IA
Corequisite Nil
Hours To be advised
Semester Offered Full Year
Examination/Assessment To be advised
Content
This subject focuses on biomechanics, neuroscience and exercise physiology as they relate to Occupational Therapy.
Texts
To be advised.

ALSC203 HUMAN ANATOMY & PHYSIOLOGY II 16cp
Prerequisite ALSC103 Human Anatomy and Physiology I
Hours Four hours per week face-to-face, five hours per week directed study
Semester Offered Full year
Examination/Assessment The subject is assessed by tutorials, tutorial-laboratory problems, practical reports, written examinations and viva voce examinations.
Content
• Endocrinology
• Microbiology
• Embryology
• Circulation to Special Areas
• Genetics
• Immunology
Texts

References

ALSC204 PATHOLOGY FOR MRT 10cp
Prerequisite ALSC103 Human Anatomy & Physiology I
Corequisite ALSC203 Human Anatomy & Physiology II
Hours 3 hours per week
Semester Offered Full Year
Lecturer B.F. Cook
Examination Two 2 hour papers, progressive quizzes, paper critique.
Topics Include endocrinology, neurophysiology, and exercise physiology.

Content
The subject introduces students to general pathology and integrates this with normal anatomy and physiology.

Text
Eisenberg, R.L. Dennis C.A. 1990, Radiographic Pathology, C.V. Mosby, St. Louis.
Lauclinda, P. 1987, Pathology, Mosby, St. Louis.
Eisenberg, RL. Dennis C.A. 1990, Radiographic Pathology, C.V. Mosby, St. Louis.

References

ALSC205 HUMAN PHYSIOLOGY 20cp
Prerequisite: ALSC101 Human Bioscience 1
Corequisite: Nil
Hours: 6 hours per week
Semester Offered: Full Year
Lecturer: B.F. Cook
Examination: Two 3 hour papers and laboratory reports
Content:
A laboratory oriented subject which provides in depth studies in areas essential to dietitians. Topics include endocrinology, neurophysiology, sensory physiology, renal physiology, gastrointestinal physiology, hematology, immunology, embryology and exercise physiology.

Text

References
West, J.B. 1990, Physiological Basis of Medical Practice, 12th edn, Williams & Wilkins.

ALSC206 BIOCHEMISTRY II 20cp
Lecturer: Dr. R. Murdoch [BIOL201] Prof D. Roberts [Semester 2]
Prerequisite: ALSC101, ALSC106, NUD101
Corequisite: NUD201
Hours: 8 hrs per week
Semester Offered: Full Year (with BIOL201 in Sem. 1)
Examination: Assessment Exam/assignment/labouratory at end Semester 1 & 2
Content:
This subject covers:
- a study of food science - the properties of carbohydrates, fats and proteins related to the commercial production of foods; systematic discussion of classifications and properties of feed additives; food labelling and regulations;
- a study of food technology techniques and nutritional implications of freezing, drying, canning, heating and milling, brewing and distilling of foods and drinks;
- commodities - a study of the classification and marketing of natural and manufactured goods.

Texts

References

ALSC301 FOOD SCIENCE (N & D) 15cp
This subject covers:
- a study of food science - the properties of carbohydrates, fats and proteins related to the commercial production of foods; systematic discussion of classifications and properties of feed additives; food labelling and regulations;
- a study of food technology techniques and nutritional implications of freezing, drying, canning, heating and milling, brewing and distilling of foods and drinks;
- commodities - a study of the classification and marketing of natural and manufactured goods.

Text

References
West, J.B. 1990, Physiological Basis of Medical Practice, 12th edn, Williams & Wilkins.

ALSC302 MICROBIOLOGY & IMMUNOLOGY (N & D) 15cp
Lecturer: Dr. R.H. Dunstan [Microbiology] A/P T.K. Roberts [Immunology]
Prerequisite: ALSC206, ALSC205
Corequisite: NUD301
Hours: 5 hours per week
Semester Offered: Semester 1 (Microbiology), Semester 2 (Immunology)
Examination: Assessment Exam/Assignment in BIOL310 and BIOL305
Content:
This course provides the opportunity to study food and nutrition in depth.

Texts
see BIOL310 and BIOL305 below

References
see BIOL310 and BIOL305 below

BIOL305 Immunology
Content:
Molecular and cellular aspects of the function of the immune system including phylogeny, reproductive and tumour immunity.

Text
Rott,I.M. 1991, Essential Immunology, 7th edn, Blackwell

BIOL310 Microbiology
Content:
Bacteria, fungi, viruses, mycoplasma, protozoa and algae; comparative biochemistry; nutrient cycles; pathology (interactions of agricultural and human significance); industrial microbiology/biotechnology.

Text

References
Mathews,C.K. & van Holde,K.E. 1990, Biochemistry,
<table>
<thead>
<tr>
<th>Faculty of Health Sciences</th>
<th>Section Seven</th>
<th>Psychosocial Health Studies Subject Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PSYCHOSOCIAL HEALTH STUDIES SUBJECTS</strong></td>
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<tr>
<td><strong>PSHS101 HEALTH PSYCHOLOGY I 10cp</strong></td>
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<tr>
<td>Prerequisite Nil</td>
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<tr>
<td>Corequisite Nil</td>
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<tr>
<td>Hours 1 hour mass lecture plus tutorials and workshops</td>
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<td>Semester Offered Full Year</td>
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<tr>
<td>Examination Final Examination plus progressive assessment</td>
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<tr>
<td>Content</td>
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<tr>
<td>This subject introduces the student to basic concepts in psychology as well as to a study of human development across the lifespan. The psychology of communication is also addressed in workshops.</td>
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<tr>
<td>Texts</td>
<td></td>
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<tr>
<td>To be advised.</td>
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<tr>
<td><strong>PSHS102 HEALTH SOCIOLOGY I 10cp</strong></td>
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<tr>
<td>Prerequisite Nil</td>
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<tr>
<td>Corequisite Nil</td>
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<tr>
<td>Hours 3 hours per week</td>
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<tr>
<td>Semester Offered Full Year</td>
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<tr>
<td>Examination Progressive assessment and final examination</td>
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<tr>
<td>Content</td>
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<tr>
<td>In this subject students will be introduced to basic sociological concepts and their application to health. In particular they will examine the concepts and theories which underpin the analysis of the distribution of health and illness, and access to health services in Australian society.</td>
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<tr>
<td>Texts</td>
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<tr>
<td>To be advised.</td>
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<tr>
<td><strong>PSHS202 HEALTH PSYCHOLOGY/ SOCIOLOGY 2 (O/T) 10cp</strong></td>
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<tr>
<td>Prerequisite PSHS101, PSHS102</td>
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<tr>
<td>Corequisite Nil</td>
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<tr>
<td>Hours 4 hours per week</td>
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<tr>
<td>Semester Offered Full Year</td>
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<tr>
<td>Examination Final Examination plus progressive assessment</td>
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<tr>
<td>Content</td>
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<tr>
<td>This subject has two parts. The first will contain an overview of lifespan development with relevance to the practice of medical radiation technology. The second part will focus on normal human behaviour to provide a yardstick by which other behaviour may be determined as abnormal.</td>
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<tr>
<td>Texts</td>
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<tr>
<td>To be advised.</td>
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<tr>
<td><strong>PSHS203 HEALTH PSYCHOLOGY/ SOCIOLOGY 2 (N&amp;D) 10cp</strong></td>
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<tr>
<td>Prerequisite PSHS101, PSHS102</td>
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<tr>
<td>Corequisite Nil</td>
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<tr>
<td>Hours 4 hours per week</td>
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<tr>
<td>Semester Offered Full Year</td>
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<tr>
<td>Examination Final Examination and progressive assessment</td>
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<tr>
<td>Content</td>
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<tr>
<td>Topics to be explored include the principles of behaviour change counselling and client/professional relationships, motivation and perception from 2nd year to 3rd year, conformity, consumer education, cultural diversity and social psychology of individuals and groups. The health sociology strand introduces theories and their application in the area of the social construction of the context, practice and knowledge base of different health occupations.</td>
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<td>Text</td>
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<td>To be advised.</td>
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<tr>
<td><strong>PSHS206 APPLIED BEHAVIOURAL STUDIES FOR MEDICAL RADIATION TECHNOLOGISTS 10cp</strong></td>
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<tr>
<td>Prerequisite Nil</td>
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<tr>
<td>Corequisite Nil</td>
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<tr>
<td>Hours 3 hours per week</td>
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<tr>
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<tr>
<td>Examination Final Examination plus progressive assessment</td>
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<tr>
<td>Content</td>
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<tr>
<td>This subject has two parts. The first will contain an overview of lifespan development with relevance to the practice of medical radiation technology. The second part will focus on normal human behaviour to provide a yardstick by which other behaviour may be determined as abnormal.</td>
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<td>Texts</td>
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<td>To be advised.</td>
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<tr>
<td><strong>PSHS302 HEALTH PSYCHOLOGY SOCIOLOGY 3 (O/T) 10cp</strong></td>
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<tr>
<td>Prerequisite PSHS302</td>
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<tr>
<td>Corequisite Nil</td>
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<tr>
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<tr>
<td>Content</td>
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<tr>
<td>This subject develops an understanding of the principles of management in food service and department level in 2nd year (motivation, management processes, decision making, organisational theory and control; productivity, human resource management, recruitment, performance evaluation, career development, ethics; industrial relations at state and federal level, trade unions, industrial awards, compensation; health and productivity in the workplace).</td>
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<tr>
<td><strong>PSHS303 HEALTH PSYCHOLOGY SOCIOLOGY 3 (N&amp;D) 10cp</strong></td>
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<tr>
<td>Prerequisite PSHS203</td>
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<tr>
<td>Corequisite Nil</td>
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<tr>
<td>Hours 4 hours per week, lectures plus tutorials</td>
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<tr>
<td>Semester Offered Full Year</td>
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<tr>
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<tr>
<td><strong>PSHS304 SOCIAL ISSUES IN HEALTH CARE 5cp</strong></td>
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<tr>
<td>Prerequisite Nil</td>
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<td>Corequisite Nil</td>
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<tr>
<td>Hours Three hours per week face to face, three hours per week directed study</td>
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</tbody>
</table>

**References**


Commonwealth and State Acts and Legislation on issues/topics pertaining to this course.
Topics studied include:

- tissue and organ transplantation;
- fertility and infertility (I.V.F., embryo transfer, surrogate motherhood, embryo experimentation);
- euthanasia (passive and active);
- abortion;
- genetic engineering.

* Patients’ rights.
* Intensive and terminal care.
* Informed consent.
* Ethics committees.
* Bioethics and the law.
* Professional ethics.

**Texts/References**


Other references to be provided.

**HEALTH PROFESSION SUBJECTS**

**PROP101 PROFESSIONAL PRACTICE I (O/T) 10cp**

Lecturer: Maureen Strazzari

Prerequisite: Nil

Corequisite: HOLH101 Health One

Hours: 3 hours per week

Semester Offered: Full Year

**Examination/Assessment** Progressive assessment

**Content**

This is a compulsory first-year subject within the Department of Health Studies and students are presented with topics which encourage an understanding of factors significant for personal and professional development, and the foundation is laid for a reflective and critical understanding of professional roles. The subject also provides opportunities for learning and applying practical skills.

**Texts**

No compulsory text

**References**

Reading package to be made available

**OCTT101 OCCUPATIONAL THERAPY PRACTICE I 15cp**

**Semester Offered:** Full Year

This subject aims to provide an introduction to the theoretical and historical bases of occupational therapy, and to examine the components and determinants of human occupation through an exploration of the influence of the environment and the development of occupational behaviour. Students are introduced to concepts of task analysis and the practical aspects of Occupational Therapy. The subject includes a professional experience placement that serves to orient students to the nature and scope of occupational therapy practice.

**OCTT201 OCCUPATIONAL THERAPY PRACTICE 2 50cp**

**Prerequisite:** OCTT101 O.T. Practice 1

**Semester Offered:** Full Year

This subject aims to consolidate assessment and communication skills acquired in Occupational Therapy Practice 1 and Professional Practice 1; to provide opportunities to apply the problem-solving process in treatment planning and occupational analysis; to develop skills in the analysis, assessment of dysfunction and intervention strategies required for treatment across the lifespan, explore life roles and performance abilities as well as work and home environments; and encourage the use of appropriate media and technology in occupational therapy treatment.

**OCTT301 OCCUPATIONAL THERAPY PRACTICE 3 50cp**

**Prerequisite:** OCTT201 O.T. Practice 2

**Semester Offered:** Full Year

This subject aims to:

1. consolidate skills in treatment planning and occupational analysis and to develop skills in program development. Common or significant examples of occupational and psychosocial dysfunction experienced during early, middle and late adulthood will be used to provide stimuli for the exploration of the significance of:
### Section Seven

**Faculty of Health Sciences**

#### Health Profession Subject Descriptions

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Points</th>
<th>Prerequisites</th>
<th>Co-requisites</th>
<th>Semester Offered</th>
<th>Examination/Assessment</th>
</tr>
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<tbody>
<tr>
<td>OCCT303 ELEC (O/T)</td>
<td>10cp</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Full Year</td>
<td>Examination/Assessment</td>
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<tr>
<td>OCCT401 OCCUPATIONAL THERAPY</td>
<td>35cp</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Full Year</td>
<td>Examination/Assessment</td>
</tr>
<tr>
<td>NUDI107 FOOD &amp; NUTRITION</td>
<td>20cp</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Full Year</td>
<td>Examination/Assessment</td>
</tr>
<tr>
<td>NUDI07 FOOD SCIENCE II</td>
<td>20cp</td>
<td>Nil</td>
<td>Nil</td>
<td>Nil</td>
<td>Full Year</td>
<td>Examination/Assessment</td>
</tr>
</tbody>
</table>

### Notes

- Values, interests and choice
- Performance abilities in communication and interaction
- Major life tasks; and
- Social groups and organisations as determinants of human occupation

(2) Further develop knowledge and skills in relation to professional, legal and ethical issues. In particular professional communication, methods of organisation and day-to-day management practices will be examined.

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**OCCT303 ELEC (O/T)**

#### Prerequisites
- OCCT201 O.T. Practice 2

#### Semester Offered
- Full Year

A two part subject to broaden skills required for Occupational Therapy practice. Students are offered a choice from 6 areas of specialist practice. These may include for example, Home Modifications, Hand Management, Empathy Training.

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**OCCT401 OCCUPATIONAL THERAPY**

#### Practice 4

This subject aims to provide opportunities for students to exercise increased responsibility. Students will select a topic of interest which relates to Occupational Therapy and the promotion or maintenance of a health lifestyle. This topic may include members of the community who have a current disability or disorder, whose independence would be enhanced by an educational program.

#### Texts
- Appropriate Journals

#### References

---

**NUDI107 FOOD & NUTRITION**

#### Examination/Assessment Assignments, case studies, seminars and examinations.

#### Content

This subject focuses on the growth of consumerism, the relationship between producer, consumer and community interests, and on the concept of sustainable lifestyles. Product development and evaluation are studies with regard to human needs, consumer satisfaction and quality of life.

#### Texts
- No set text.

#### References
- These are given to students with the course outlines at the beginning of the year.

---

**NUDI07 FOOD SCIENCE II**

#### Examination/Assessment

Annual examination; 2 seminar presentations; oral and written presentation.

#### Content

Nutritional aspects of micro and macro nutrients; dietary tools; nutrition throughout the life cycle; cultural, religious and ethnic influences on food habits; development of community nutrition progress. Practice consists of a placement in a Community Nutrition to develop needs assessment and other relevant methodologies.

#### Texts
- Wardlaw, G.M. & Insel, P.M., *Perspectives in Nutrition*, Times/Mirror/ Mosley College Publishing
- Ppis P. & Trahms C.M., *Nutrition in Infant and Childhood*, 5th edn, Times/Mirror/ Mosley College Publishing

#### References
- Wardlaw, *Student Study Guide to Perspectives in Nutrition*, Times/ Mirror/Mosley College Publishing
Texts

References
Food Technology
Food Technology in Australia
Journal of Nutrition Education
Journal of Food Science

NUDI208 APPLIED NUTRITION II 30cp

(Alas AF2025)
Prerequisite ALSC109 and NUDI107
Corequisite Nil
Hours 5 hours per week
Semester Offered Full Year
Lecturer Bert White

Examination Assignments and examination.

Content
This subject will assist students to develop an understanding of the science of nutrition which will then be used to critically appraise nutrition information and its application to the dietary needs of the various members of the community. Topics covered will include the digestion, assimilation and metabolism of carbohydrates, lipids and proteins; the nature and role of vitamins and the function of metabolism of the nutritionally important mineral elements in human nutrition; the role of the cardiovascular system in the transport of nutrients, respiratory gases and waste.

Texts
No set text.

NUDI301 NUTRITION AND DIETETICS 30cp PRACTICE 3

Prerequisite NUDI201, NUDI206, ALSC205, PSHS203
Corequisite HOLH301, ALSC301, NUDI302
Hours 2 hours per week therapeutic dietetics, 3 hours per week food preparation, 3 hours per week food service lectures and visits, 2 hours per week case study workshops and 8 weeks (320 hours) practical.
Semester Offered Full Year
Examination Assignments and assessment of practice.

Content

2. Principles of menu planning, ordering, receiving and inventory control; cost control; quality assurance, food distribution systems, preparation and storage systems, kitchen planning and equipment; staffing; food hygiene regulations.

3. Practice in small scale and large scale food preparation.

4. Practice in diet history taking and other aspects of therapeutic dietetics.

Texts

References
To be advised.

NUDI304 FOOD TECHNOLOGY III 20cp

Lecturer Tony Clucas

Prerequisite NUDI207
Corequisite Nil

Hours 5 hours per week
Semester Offered Full year
Examination/Assessment Progressive assessment incorporating assignments, laboratory work and reports, case studies and tests/examinations

Content
- History of Food Technology in Australia
- Food Preservation - principles and procedures
- Food Legislation/Food/ Additives/Labelling
- Quality Assurance/Food Analysis
- Food Microbiology - food safety, importance in food processing
- Novel foods - new ingredients, new technologies, dietary substrates.

Texts
No set texts

References
Books - to be advised as appropriate

Journals - Food Technology in Australia, Food Technology, Journal of Food Science

NUDI305 APPLIED NUTRITION III 20cp

Lecturers L. Williams, D. Roberts, H. White, D. Stevens
Prerequisite NUDI208
Corequisite Nil

Hours 5 hours per week
Semester Offered Full year
Examination/Assessment Exam/assignments/laboratory reports

Content
- Food habits around the world
- Nutrition Education programs
- Dietary guidelines
- Dietary modification for disease processes

Texts

To be advised.

NUDI105 CONSUMER STUDIES II 10cp

Prerequisite NUDI105
Corequisite Nil

Hours 2 hours per week
Semester Offered Full Year
Lecturer Irene Munro

Examination Assignments, case studies, seminars and examination.

NUDI305 APPLIED NUTRITION III 20cp

Lecturer L. Williams, D. Roberts, H. White, D. Stevens
Prerequisite NUDI208
Corequisite Nil

Hours 5 hours per week
Semester Offered Full year
Examination/Assessment Exam/assignments/laboratory reports

Content
- Food habits around the world
- Nutrition Education programs
- Dietary guidelines
- Dietary modification for disease processes

Texts

To be advised.

NUDI400 NUTRITION AND DIETETICS PRACTICE 4A 15cp

Lecturer D. Stevens (Subject Coordinator)
Prerequisite NUDI301, ALSC301, NUDI302, PSHS303
Corequisite NUDI401, NUDI402, NUDI403

Hours 3 hours per week lectures, 3 hours per week seminar-workshops, 2 hours per week self-directed learning
Semester Offered Full year
Examination/Assessment Written examination and assignments, case studies

Content
Principles and practice of paediatric dietetics including growth failure, cystic fibrosis, diabetes mellitus, gastroenterology, neonatal care, inborn errors of metabolism and food sensitivity.
Community, therapeutic and behavioural approaches to weight control and obesity.

Nutritional support techniques including enteral and parenteral nutrition and the special needs of those with developmental disabilities.

Texts
To be advised

References
To be advised

NUDI401 NUTRITION & DIETETICS PRACTICE 4B
Lecturer L. Williams (Subject Co-ordinator)
Prerequisite NUDI301, ALSC301, NUDI302, HOLH301
Corequisite NUDI400, NUDI403, HOLH401
Hours 4 hours per week, 1 semester (12 x 40 hours) practice integrated with practice in NUDI402
Semester Offered Full Year

Examination/Assessment Progressive assessment by report writing, assignments, project presentation (oral and written)

Content
This subject provides opportunities for skills acquisition and proficiency in the professional areas and in the knowledge of foods and food science in the marketplace. The project commenced in HOLH301 will be completed.

Texts
To be advised

References
To be advised

NUDI403 BIOCHEMISTRY 4
Lecturer Prof. D. Roberts
Prerequisite ALSC301, ALSC302
Corequisite NUDI400, NUDI401, NUDI402
Hours 2 hours per week lectures, 4 hours laboratory work
Semester Offered Full Year

Examination/Assessment Examination/assignments/laboratory reports

Area of study include:
Advanced study of clinical and dietetic aspects of biochemical pathways; abnormal biochemical pathways including those in starvation, cancer and inborn errors of metabolism; nutrient drug, nutrient - nutrient interactions; requirement and role of essential fatty acids and prostaglandins; analysis of polysaccharide identification, biochemical implications; animal nutrition studies.

Texts
To be advised

References
To be advised

RADIOGRAPHY DEGREE SUBJECTS
MRTC101 MRT PHYSICS, RADIATION BIOLOGY AND PROTECTION 15cp
Prerequisite Nil
Corequisite Nil
Hours Five hours per week face to face, five hours per week directed study
Semester Offered Full Year
Lecturer G. Ali Shah

Examination/Assessment Examination based on practical reports and examinations

Content
Physics provides the foundation in an understanding of the principles utilised by the various modalities of medical radiation technology. This subject is designed to provide such a basis, enable the student to understand and apply the principles of operation of equipment used in diagnostic radiography, radiotherapy, sonography and nuclear medicine.

The objectives of this subject are to provide students with a sound knowledge of the basic physical principles so that they will be able to:

- study the principles of equipment used in radiography, radiotherapy, sonography and nuclear medicine on a firm conceptual base;
- use apparatus with understanding and due care with regard to radiation hygiene;
- minimise electric hazards as well as those of ionising radiation;
- explain concepts of electronics that they will use.

Texts

References

MRTC102 MRT INSTRUMENTATION 10cp
Prerequisite Nil
Corequisite MRTC101 Physics, Radiation, Biology & Protection
Hours Three hours per week face-to-face, three hours per week directed study
Semester Offered Full Year
Lecturer R. Trew

Examination/Assessment Examination based on practical reports and examinations

Content
This subject provides an introductory knowledge of the equipment used in radiography, sonography, radiotherapy and nuclear medicine.

The objectives of the subject include:

- understand and evaluate the equipment used in diagnostic radiography, radiotherapy, sonography and nuclear medicine.
- ultrasound is used for imaging as well as for evaluating blood flow.
- high energy photon as well as electron beams are used in radiotherapy.

Texts

References


Sorensen, J.A. & Phelps, M.E. 1987, Physics in Nuclear Medicine, 2nd edn, Grune & Stratton, Orlando.

**MRTC104 MEDICAL RADIATION TECHNIQUES** 20cp

**Prerequisite:** Nil

**Corequisite:** Nil

**Hours:** Six hours per week face-to-face, six hours per week directed study.

**Semester Offered:** Full year

**Examination/Assessment:** Assessment for this subject is by: Laboratory Exercises, Assignments, Mid-Year Examination, End-Of-Year Examination

**Content:**

The acquisition of diagnostic imaging and radiotherapeutic treatment skills are developed through the application of such theoretical components as physics, radiation biology and protection, instrumentation, human anatomy and physiology and MRT computing.

Basic radiodiagnostic, radiotherapeutic and nuclear medicine skills are enhanced by integrating the theoretical components with specific studies in the appendicular skeleton and the viscera, culminating in a knowledge appropriate for diagnostic radiography, nuclear medicine and radiotherapeutic positioning.

Laboratory and tutorial sessions are incorporated to allow the student to develop and reinforce clinical presentations in a simulated clinical environment in preparation for clinical contact.

By attaining a knowledge of surface anatomy and rudimentary diagnostic imaging or treatment techniques students will be able to produce diagnostic images or perform a range of radiotherapeutic procedures such as simulation, treatment and moulding.

The topics covered in MRTC 104 are divided into units based principally on the strands. This approach provides the student with a fundamental knowledge of those concepts common to all three strands in MRT prior to developing strand specific knowledge and skills in the latter part of the first semester and in the second semester.

**Texts**


**References**

**Diagnostic Radiography**


**Radiation Therapy**


**Nuclear Medicine**


Trevor, S.T. 1985, Paediatric Nuclear Medicine, Springer-Verlag.


Rhodes, B.A and Croft, B.Y., Basics of Radiopharmacy.

Walter, J.B. and Israel, M.S. 1982, General Processes of Radiotracor Localization, Vols. I, II.


**MRTC105 CLINICAL APPLICATIONS** 5cp

**Prerequisites:** Nil

**Corequisite:** MRTC104 Medical Radiation Techniques

**Hours:** One one-week block in first semester and one three-week block in second semester (total 120 hours)

**Semester Offered:** Full Year

**Examination:** Clinical Workbooks, Clinical experiences, Reports

**Content:**

This subject provides the student with the opportunity to apply theoretical concepts in a clinical setting.

The integrated blocks of clinical studies will facilitate increased confidence and competence in the performance of elementary procedures. At the same time, the student will gain a better understanding of the health care team and the role of the medical radiation technologist as a member of that team.

As a result of completing this subject, the student will:

- have a basic knowledge of the procedures identified in the subject Medical Radiation Techniques;
- be able to apply relevant theoretical concepts and principles from the foundation studies in the clinical setting;
- demonstrate the psychomotor skills required to produce a meaningful result;
- be able to evaluate his/her own performance of activities, according to the level of experience;
- observe the roles and functions of other medical radiation technologists and health team members in the delivery of health care.

**References**

**Diagnostic Radiography**


**Radiation Therapy**


MRTC106 MRT COMPUTING 5ep
Prerequisite Nil
Corequisite Nil
Hours Two hours per week face to face, three hours per week directed study
Semester Offered Semester two
Examination Assignments, class tests and examination

Content
The impact of computer technology on medical radiation technology has been far reaching, to the extent that some instrumentation, such as CT, may be regarded as a product of radiography and computer technology. The applications of computers including hardware, software and major investigative applications as presented in this subject, will expose the student to the increasing role of computer technology in organ imaging.

On completion of this component, the student will be able to:

- describe and explain the display and image recording systems utilised in organ imaging
- explain the limitations of computer-generated information arising from both software and hardware
- apply software packages to clinical investigations
- demonstrate a working knowledge of common applications of computing, such as data management, word-processing and spreadsheets.

References
Bohl, M. 1984, Essentials in Information Processing, SRA, Chicago.

MRTC107 PRINCIPLES OF PATIENT CARE 5ep
Lecturer Ms. Shirely Rutter
Prerequisites Nil
Corequisites Basic First Aid Certificate
Hours 2 hours per week
Semester Offered Semester 1 only
Examinations One Essay, One Group Presentation

Content
Patient Care shall provide the student with an opportunity to see how his/her chosen profession relates to the overall care of the patient, caring for people of all ages in the context of both the community and hospital environment.

The subject will introduce the student to basic communication skills which are considered to be necessary for effective practice within the person-oriented health care professions. The fundamental principles of universal infection control, lifting/transfer techniques and safety in the workplace will be introduced in order to ensure a safe working environment for both the patient and the care provider.

Topics include:

- Cables, fuses, mechanical switches
- Simplified Diagnostic Circuits, Including:
  - Main voltage compensation
  - Supply cable compensation
  - Space charge compensation
  - kV compensation
- Electronic Devices and Switches
- Exposure Timers
- Failing Load and High Frequency Generators
- Tubes and Heavy Duty Tubes
- Tub Ratings and Protection circuits
- Fluoroscopy and Fluorography
- Mobiles, Dental and Skull Units
- Tomography
- Anatomical Programmed Units
- Mammography
- Radiation Protection for Patients and Staff
- Quality Assurance
- Digital Imaging Systems
- Computed tomography
- Magnetic resonance imaging

MRTD201 DIAGNOSTIC INSTRUMENTATION 10ep
Prerequisite MRTC102 MRT Instrumentation, MRTC101 MRT Physics, Radiation, Biology and Protection
Corequisite Nil
Hours Three hours per week face to face, three hours per week directed study
Semester Offered Full Year
Examination/Assessment Examination and assignments

Content
This subject provides a knowledge of diagnostic X-ray circuits, specialist equipment (e.g. tomography), and introduces digital imaging. It also addressed quality assurance as well as protection of patients and staff.

Students will be able to explain:

- how X-ray output is regulated despite variations in space charge and power loss which accompany changes in techniques
- the need for tube ratings as well as the factors which determine them
- equipment used in fluoroscopy, tomography, mammography, etc.
- digital equipment e.g. CT and DSA
- need for quality control programs and how they are practised
- how patient/s and staff exposures can be optimally reduced without compromising imaging criteria
- Principles of magnetic resonance imaging.

The range of clinical Investigations covered is increased by integrating specialised Diagnostic Imaging Techniques such as Tomography and Fluoroscopy.

Reference
Forster, E. 1986, Equipment for Diagnostic Radiography, Lancaster, MTP.

References

MRTD203 DIAGNOSTIC RADIOGRAPHY TECHNIQUES I 20ep
Prerequisite MRTC104 Medical Radiation Techniques
Corequisite ALSC203 Anatomy and Physiology II
Hours Seven hours per week face-to-face, seven hours per week directed study.
Semester Offered Full year
Examination/Assessment Assessment for this subject is by:
Laboratory Quizzes — 20%
T.L.Ps — 20%
Tutorial Presentation & Written Submissions — 10%
Article Review — 10%
Final-Year Examination — 40%

Content
The development of Radiographic skills is a complex process, involving the application of knowledge from Physics, Radiation Biology and Protection, instrumentation, Human Anatomy and Physiology, Pathology and Applied Behavioural Studies to clinical investigations involving organs/systems and more complex anatomical Radiography.

The range of clinical investigations covered is increased by integrating specialised Diagnostic Imaging Techniques such as Tomography and Fluoroscopy.

Laboratory sessions are incorporated to allow the student to develop and reinforce clinical presentations in a simulated atmosphere. Sessions involve a problem based learning approach and traditional instruction to assist the student in...
radiographic film and pathology interpretation as well as fault finding.

The Pre-Clinical development prepares the student for Clinical Applications II. Acquired skills and knowledge in more complex Diagnostic Radiographic Techniques and surface anatomy will enable the student to generate appropriate radiographs.

Their knowledge of the physicochemical properties and appropriate application of contrast media to organs/systems will enable them to assist in the preparation and introduction of this Contrast Media as required, as well as provide a supporting role to Medical Personnel during Contrast Media reactions.

The students will have also acquired the ability to adapt to different clinical presentations including Major and Minor Trauma, Pathology, Paediatric and Geriatric.

**Texts**


**References**


Unit 1
- Usage of ionising apparatus with reference to how beams interact with matter.
- Detailed concepts of Therapeutic Radiography.
- Production of x and gamma rays with specific reference to:
  - superficial x-ray (SXR)
  - gamma emitters
  - orthovoltage and supervoltage machines.
- Comparison and evaluation of the beam quality generated by therapy machines in establishing its usefulness.
- Parameters that affect isodose distribution.

Unit 2
- Methods of apparatus calibration:
  - Application of the principles of planning.
  - Radiation protection and its applications.
- Application of computers in radiotherapy:
  - Use of planning on computers.
  - Application of CT images for planning.

Text

References

MRTT213 ONCOLOGICAL PRINCIPLES I 5cp
Prerequisite Nil
Corequisite ALS203 Human Anatomy and Physiology II, ALS204 Pathology for MRT

Hours One hour per week face-to-face, one hour per week directed study.

Semester Offered Full Year

Examination/Assessment Assessment in this subject is by:
- Assignments — 40%
- Case Studies — 10%

MRTT214 TECHNIQUES IN RADIATION THERAPY I 15cp
Prerequisite MRTC104 Medical Radiation Techniques
Corequisite ALS203 Human Anatomy and Physiology II

Hours Five hours per week face to face, five hours per week directed study.

Semester Offered Full Year

Examination/Assessment Assessment in this subject is by:
- Assignments — 10%
- Laboratories — 20%
- Mini Tests — 10%
- Mid semester Examination — 20%
- Final Examination — 30%

Content
The development of radiotherapeutic skills is a complex process, involving the application of knowledge taken from physics, equipment, anatomy and physiology. In addition, the ability to visualise organs/systems in three dimensions from a two dimensional radiograph and/or a CT image is essential to the practising radiation therapist. These skills are introduced during the study of Medical Radiation Techniques. The student will commence to develop an understanding of both manual and computer planning procedures, simulation and the various treatment modalities. These skills, which are put into practice in the laboratory setting, will prepare the student to undertake confidently these procedures as outlined in the Clinical Studies II subject.

The student will gain an understanding of both manual and computer planned treatments. The student will also gain an understanding of the various treatment modalities and how these are applied in the clinical setting. As well, the student will have knowledge of how radiation affects organs, understanding the various cell radiation sensitivities, and how this tolerance to radiation affects treatment and dose choice. The student will learn to deal with patients suffering from cancer in the oncological environment and will be able to assist other medical staff in an oncological emergency.

Topics covered include:
- Applications of ionising radiation.
MRTD301 DIAGNOSTIC RADIOGRAPHY TECHNIQUES II 35cp

**Prerequisite** MRTD203 Diagnostic Radiography Techniques I

Corequisite MRTC314 Ultrasound Physics, MRTC315 Digital Imaging. ALSC503 Cross-Sectional Anatomy

**Semester Offered** Full year

**Hours** Nine hours per week face to face, nine hours per week directed study.

**Content**

The ongoing development of radiographic skills, first encountered in Medical Radiation Techniques and expanded in Diagnostic Radiography Techniques is further integrated in this subject. It encompasses specialised procedures in Vascular Imaging, Computed Tomography, MRI and Ultrasound techniques as well as general specialised radiography skills. The student will see how these modalities are integrated in the modern medical imaging facility.

This subject also develops an understanding of normal radiographic anatomy and the appearance of common diseases currently used in all of the above modalities.

By this stage students are able to generate diagnostic radiographs of all regions. They also have developed a comprehensive knowledge of surface anatomy and the techniques employed.

This subject will aim at increasing this knowledge by introducing the concept of more clinically complex and radiographically difficult patients. They will also learn to assimilate more technically complex techniques used to visualise organs and vessels. The student will also gain an appreciation of the difficulties of problem solving in the diagnostic imaging field.

**Examination/Assessment** Assessment will be in the form of a "contract", whereby the students will decide how and when they will be assessed. See Appendix A for a detailed explanation of the assessment procedure.

**Texts**


**References**


Berquist, T. 1986, Imaging of Orthopaedic Trauma and Surgery, Saunders.


Eisenberg, R.L. 1990, Comprehensive Radiographic Pathology, C.V. Mosby, St. Louis.


McCort, J. 1960, Trauma Radiology, Churchill Livingstone.

Mace, J.D., Kowalczyk, N. 1988, Radiographic Pathology, for Technologists, Mosby.


Sandler, M. 1989, Correlative Imaging: Nuclear Medicine, Magnetic Resonance, Computed Tomography, & Ultrasound, William & Wilkins.


Sider, L 1986, Introduction to Diagnostic Imaging, Churchill-Livingstone, N.Y.


Toombes, B. 1987, Computed Tomography in Trauma, Saunders.


Journals

- British Journal of Radiology
- CD-ROM (Library)
- Excerpta Medica for Radiology and Nuclear Medicine, 1980 to date
- Medline, 1986 to date
- Cshiul, 1990 to date
- Ultrasound Textbook
- Ultrasound References
- Babcock, D.S. & Han, B.K. 1981, Cranial Ultrasonography of Infants, Williams & Wilkins, Baltimore.

Journals

- Journals of Ultrasound in Medicine
- Seminars in Ultrasound
- Journal of Clinical Ultrasound

MRTC306 CLINICAL APPLICATIONS III 15cp
Prerequisite MRTC205 Clinical Applications II
Corequisite MRTD301 Diagnostic Radiography Techniques II, or MRTT316 Radiation Therapy Techniques II, or MRTN312 Nuclear Medicine Techniques II.

Hours: Two three-week blocks and one four-week block (total 400 hours)

Semester Offered: Full year

Examination/Assessment: Assessment will be based on completion of the performance based clinical workshops which will include evaluation by both the University and Clinical Supervisor from the various departments/practices participating in the Clinical program. The input from a number of structured clinical experiences, over a range of settings, will be utilised to provide a graded assessment. Assignments on specific procedures, together with an oral examination will be incorporated in the overall assessment.

Clinical Supervisor's Report — 40%
University Supervisor's Report [including visit, Competency and Case Study Reports and Clinical hours] — 60%

Content

This subject provides the student with the opportunity to apply theoretical concepts in a clinical setting.

The integrated blocks of clinical studies will facilitate increased confidence and competence in the performance of selected procedures. At the same time, the student will gain a better understanding of the health care team and the role of the medical radiation technologist as a member of that team. Students will obtain exposure to technological advances in Medical Radiation Technology such as ultrasound, computed tomography, angiography, stereotactic radiotherapy and posterior emission tomography. The experience gained in these areas will be reflected in the specific case study requirements the students will be set.

As a result of completing this subject, the student will:

- have a comprehensive knowledge of the procedures identified in the subjects Diagnostic Radiography Techniques II, or Radiation Therapy Techniques II, or Nuclear Medicine Techniques II;

- be able to apply relevant theoretical concepts and principles from the foundation studies in the clinical setting;

- demonstrate the psychomotor skills required to produce a meaningful result;

- be able to evaluate his/her own performance of activities, according to the level of experience;

- observe the roles and functions of other medical radiation technologists and health team members in the delivery of health care;

- attain a level of understanding and competency in imaging techniques, or planning and treatment as detailed in the Clinical Studies Workbook.

The examinations and procedures in the subjects Diagnostic Radiography Techniques II, Radiation Therapy Techniques II or Nuclear Medicine II provide the range of topics addressed in this subject.

Concepts presented in both the human bioscience and psychosocial strands will also be integrated and utilised as appropriate.

The opportunity to develop the practical skills, attitudes and knowledge identified above will take place during block sessions.

References

Diagnostic Radiography


Radiation Therapy


Leung, P.M.K. 1978, The Physical Basis of Radiotherapy, Princes Margaret Hospital, Toronto.
### Nuclear Medicine


### MRTN310 NUCLEAR MEDICINE RADIOPHARMACY II 5cp

**Prerequisite** MRTN210 Nuclear Medicine Radiobiology and Radiopharmacy

**Corequisite** MRTN311 Nuclear Medicine Instrumentation II

**Hours** Two hours per week face-to-face, one hour per week directed study

**Semester Offered** Full Year

**Examination/Assessment** Laboratory reports — 15%

**Assignments** — 15%

**Mid year examination** — 35%

**Final year examination** — 35%

**Content**

The subject is designed to provide the student with a theoretical knowledge of radiopharmacy principles and techniques. Practical laboratory experience will prepare the student to undertake these techniques in the clinical environment.

Upon completion of this subject the student will be able to:

- describe general laboratory technique and the relevant equipment used
- understand quality control and its applications in radiopharmacy
- understand counting techniques
- describe radio-labeling procedures
- describe and perform cell radio-labeling techniques
- describe in vitro radio-pharmacy tests.

The topics studied include:

- Laboratory techniques and relevant equipment
  - pH meters
  - autoclaves
  - centrifuges
- Quality control
  - Generator systems
  - Theory of ITLC and its applications
  - Light microscopy and particulate radiopharmaceuticals
  - Radionuclide and patient record systems
- Manufacture of “cold” kits
- Counting techniques
  - Gamma counting
  - Liquid scintillation counting
- Radio-labeling procedures
  - 99mTc-RBC (in vivo, in vitro & in vitro)
  - 123I-RBC
  - 99mTc-WBC
  - 111In-WBC
  - 99mTc-platelets
  - 111In-platelets
- In vitro radiopharmacy tests
  - Plasma volume
  - Red cell mass
  - GFR determination
  - 14-C Breath tests
  - Thyroid uptakes, etc.

**Text**


**References**


### MRTN311 NUCLEAR MEDICINE INSTRUMENTATION II 5cp

**Prerequisite** MRTN209 Nuclear Medicine Instrumentation I

**Corequisite** MRTN310 Nuclear Medicine Radiopharmacy II

**Hours** Two hours per week face-to-face, one hour per week directed study

**Semester Offered** Full Year

**Examination/Assessment** Practical reports — 10%

**Assignments** — 10%

**Mini tests** — 10%

**Mid year examination** — 35%

**Content**

This subject expands and develops studies in Nuclear Medicine Instrumentation. It provides the student with comprehensive and up-to-date knowledge of gamma camera specifications and quality control, nuclear medicine computer systems, quantitative nuclear medicine, single photon emission computed tomography (S.P.E.C.T.), positron emission tomography (P.E.T.), and other recent developments.

The objective of the subject is to provide the student with a detailed theoretical knowledge of the following Nuclear Medicine instrumentation, including:

- Gamma cameras
- Nuclear Medicine computer systems
- Positron Emission Tomography (P.E.T.)
- Magnetic Resonance Imaging (M.R.I.)
- Data Quantitation
- Recent developments

Each topic will cover:

- Review of historical development
- Physical principles
- Limitation and advantages
- Guidelines for usage
- Relevance to nuclear medicine
- Review of currently available models
- Fault finding techniques
- Future role of instrumentation

Upon completion of this subject the student will be able to:

- describe and understand the operating principles of the instrumentation
- understand how to use the instrumentation to perform diagnostic procedures
- evaluate the appropriateness of the instrumentation for particular medical applications
- understand and apply data quantitation techniques
- describe and understand instrumentation quality control and the significance of any quality control findings
• describe recent developments in nuclear medicine instrumentation

References

MRTN312 NUCLEAR MEDICINE TECHNIQUES II 25cp
Prerequisite MRTN211 Nuclear Medicine Techniques I, ALSC203 Human Anatomy and Physiology II.
Corequisite ALSC303 Sectional Anatomy, MRTC314 Ultrasound Physics, MRTC315 Digital Imaging.
Hours Eight hours face-to-face, seven hours directed study.
Semester Offered Full year

Examination/Assessment Assessment of this subject will be by:
Mini Tests — 10%
Assignments — 10%
Laboratories — 10%
Mid year examination — 35%
Final examination — 35%

Content
This subject examines the applications of radioisotopes in Nuclear Medicine imaging procedures. It follows on directly from Nuclear Medicine Techniques I, discussing more complex procedures and complementary procedures.
The objective of this subject is to provide the students with a detailed theoretical knowledge of Nuclear Medicine procedures in the following areas:
Cardiovascular system;
Endocrine system;
Tumour and infection localisation;
Paediatrics;
Radiography therapy;

In vivo tracer studies;
Positron emission tomography;
Radionuclides;
Bone densitometry;
Ultrasound Procedures provide an understanding of how to perform each procedure. To develop the students' awareness of the appropriateness of a procedure and the significance of the results.
To develop the students' awareness of how these procedures fit into the diagnostic process.
Each topic will cover:
review of anatomy and physiology;
review of relevant pathology;
review of non nuclear medicine tests in the area;
Nuclear Medicine protocols:
indications;
patient preparation;
detailed technique;
variations and modifications;
limitations and advantages;
interpretation of results.

Tests

References
Sandler, M. P. 1989. Correlative Imaging, Williams & Wilkins.

Treves. S. T. 1985, Paediatric Nuclear Medicine, Springer-Verlag.
SPECT Textbook.

UltraSound References

Journals
Journals of Ultrasound in Medicine

Seminars in Ultrasound
Journal of Ultrasound
Radology

MRTS13 ONCOLOGICAL PRINCIPLES II 10cp
Prerequisite MRTS13 Oncological Principles I. ALSC203 Human Anatomy and Physiology II, ALSC204 Pathology for MRT
Corequisite ALSC303 Sectional Anatomy, ALSC309 Oncological Pathology.
Hours Two hours per week face-to-face, three hours per week directed study.
Semester Offered Full year
Examination/Assessment Assessment in this subject is by:
Assignments — 20%
Case Studies — 10%
Mini Tests — 10%
Second Semester examination — 60%

Content
With the knowledge of tumour pathology and being aware of the dose tolerances of specific sites the student will now learn the methods of treatment and why these include surgery, radiotherapy and chemotherapy.
On completion of this subject the student will be able understand how malignancies etc. are treated and how the different modes, such as Radiation Therapy surgery and chemotherapy, are involved in the entire patient management. This subject ties all the anatomy and pathology, physiology, tumour pathology, radiation therapy practice and planning procedures together. The student is taught how different tumours in the same region, eg. breast, may require different management practices.

Topics will include:
• Dose tolerances of specific sites
  - the head, neck and associated structures
  - the spinal column
  - the lung and mediastinum
  - the breast
  - the abdominal viscera with particular reference to:
  - kidneys
### MRTC315 DIGITAL IMAGING

**Prerequisite** Nil  
**Corequisite** Nil

**Hours** one hour per week face to face, one hour per week directed study

**Semester Offered** Full Year

**Content**
This subject will provide the student with a knowledge of the theoretical aspects of digital image production and the applications of digital imaging technology in medicine.

In successfully completing this subject the students will gain a knowledge of data acquisition, data manipulation, data storage and image reconstruction in Computed Tomography, Nuclear Medicine Scanning, Digital Angiography and Digital Fluoroscopy. They will also have developed an understanding of the technology used in PACS.

**Topics will include:**
- The Common Principles
- Methods of Data Acquisition
- Image Reconstruction
  - Back Projection
  - Iterative Methods
  - Fourier Analysis
  - Filtered Back Projection
- Image Storage
- Computed Tomography
  - Field-of-View
  - Image Display Functions
  - Image Quality
- Artefacts
- Multi-Planar Reformattting
- 3D imaging
- Digital Angiography & Fluoroscopy
  - Digitalized Image
  - Subtraction Techniques
- Image Processing
- Nuclear Medicine Scanning
- Data Acquisition & storage
  - Word mode & Byte mode
  - Framing rates

**References**

**Faculty of Health Sciences**

**Section Seven**

**Radiography Degree**

**Subject Descriptions**
Content

Refinement of radiotherapeutic technique requires a thorough knowledge of physics, equipment and anatomy and physiology as the outcome of the treatment plan must provide a safe, satisfactory, optimal result for the patient. This subject encompasses use of all specialised procedures in radiation therapy such as treatment, manual planning and/or computer planning as well as the application of specialised procedures such as Computed Tomography and brachytherapy.

The student will be able to perform treatment planning for all procedures and reproduce exactly these plans in the treatment rooms as required by the treatment prescription. These procedures will be capable performed for any treatment region of the body, thereby demonstrating that the student has attained the comprehensive knowledge required to fulfill the needs of the radiotherapeutic techniques involved. Students will have gained a total insight into the radiosensitivity of the various organs, and how this information is necessary for the optimisation of the treatment plan with the patient’s comfort a priority.

Topics covered include:
- Treatment planning
  - evaluation of techniques used
- Advanced hand planning techniques
  - complicated isocentric methods
  - inhomogeneity corrections
- Tissue compensation
  - applications and uses
- Mould Room
  - application
  - advantages and disadvantages
  - mould room techniques
- Modalities and applications
  - brachytherapy
  - interstitial
  - Intracavity
- Electron beam evaluation and use
- Principles of mixing modalities
- Interactive CT planning
- 3-D Planning
- Putting the plan into effect - is it viable

Texts


References

Leung, P.M.K. 1978, The Physical Basis of Radiotherapy, Princess Margaret Hospital, Ontario.

CONSUMER SCIENCE SUBJECTS

Not all subjects in the Bachelor of Applied Science (Consumer Science) are listed here. These subjects are mainly electives; other subjects such as those offered by Nutrition and Dietetics (NUDI prefix) are listed earlier in this section.

MNGT230 MARKETING PRINCIPLES 10cp
Prerequisite MNGT 111 - Introduction to Management & Organisational Behaviour
Hours 2 Lecture hours per week, 1 Tutorial/Workshop hour/week
Semester Offered Semester 1
Content

The course introduces basic concepts/frameworks in marketing. Both strategic and short term marketing planning perspectives are developed. Topics include the marketing environment, market segmentation, new product development, the marketing mix, as well as mix interactions; strategies, implementations and controls.

Text

To be advised.

MNGT227 HUMAN RESOURCE MANAGEMENT 10cp
Prerequisite MNGT 111 - Introduction to Management & Organisational Behaviour
Hours 2 Lecture hours per week, Tutorials and Workshops as required
Semester Offered Semester 2
Content

This course aims to develop a critical understanding of the role and functions of the various personnel/human resource activities in an organisation. It covers fundamental human resource management concepts, theories and issues such as human resources practices, job analysis and design, recruitment and selection, performance evaluation, human resource forecasting, and employee termination, and the training function and the impact of relevant legislation on the technological change on the human resource function.

Text & References


APF303S TEXTILE PERFORMANCE 20cp
Prerequisites APF203S Textile Technology Corequisites NIL
Hours Five hours per week for one year
Assessment Progressive, based on assignments and examination
Content

- Functional designing, structural and performance specifications;
- textile testing: principles and practices;
- testing laboratories;
- quality control system;
- durability, unit costs and life cycle costing;
• evaluating fabric performance in apparel manufacture;
• structural mechanics and fabric performance.

INFO101 INTRODUCTION TO INFORMATION SYSTEMS 10cp
Prerequisite Nil
Hours 3 Lecture hours per week, 2 tutorial hours per week
Semester Offered Semester 1 or 2
Contact Department Management
Content
This course seeks to provide not only a foundation in understanding information systems but also to impart those skills necessary for solving a wide range of information-based problems. For these reasons the course provides an essential grounding for all students irrespective of their chosen discipline. In particular, the course is guided by the following objectives:

- The components of computer-based information systems
- The phases involved in information systems development
- The process of software development
- Database systems
- Management information systems
- Data communications
- Legal and social aspects of information systems

b) To allow the student to obtain skills in the use of microcomputers as personal productivity tools. In particular, students will be given a practical introduction to system and application software such as operating systems, spreadsheets, business graphics, database management systems and word processors.

Texts
To be advised

NUD1410 CONSUMER SCIENCE HONOURS 410 40cp
Lecturer To be advised

MGT224 CONSUMER BEHAVIOUR 10cp
Lecturer To be advised
Prerequisite MGT230 Marketing Principles
Corequisite Nil
Hours 2 lecture hours per week, tutorials and workshops as required
Semester Offered Semester 1
Content
Advertising is one of the major forms of promotion (as distinct from sales promotion). This topic will concentrate on advertising, though it will touch on personal selling, publicity and sales promotion. Determining effective advertising is an essential part of the promotional campaign. This topic will examine setting advertising objectives, determining advertising plans, developing media strategies, developing advertising and promotional budgets and analysing evaluation procedures. Advertising techniques will be used. These techniques will complement the work done in marketing research, though it marketing research is not a prerequisite.

Text
To be advised

MGT231 MARKETING RESEARCH 10cp
Prerequisite MGT230 Marketing Principles and STAT101 Introductory Statistics
Hours 2 lecture hours per week. Tutorials and workshops as required
Content
The basis of effective decision making is clear, concise and accurate information. In marketing there are a variety of methods that can be used to gather information. For example, surveying, accessing existing published government data, interviewing and so on. Each method has advantages and disadvantages.

In this course students consider the different types of data which can be gathered and which methods should be used to obtain that data.

This course examines how to evaluate the information needs of the firm, how to best satisfy these needs and finally covers a variety of methods by which the data can be turned into useful information.

Text
To be advised

STAT101 INTRODUCTORY STATISTICS 10cp
Not to count for credit with STAT103.
Prerequisite This course does not assume knowledge of calculus or matrix algebra
Hours 3 lecture hours. 1 laboratory hour and 1 tutorial hour per week. The course is offered in semester 1 and semester 2
Purpose To introduce students to the principles of study design, data analysis and interpretation; the statistical computing program MINITAB will be used extensively
Content
Study design, including surveys and controlled experiments, sampling and randomization. Scales of measurement. Descriptive and exploratory data analysis. Probability, Statistical Inference: sampling distributions, confidence intervals and hypothesis
Higher award project and one final exam. The four compulsory projects and the exam form the base course while the higher award option is an opportunity for students to specialise and be considered for possible higher grades.

Content
This subject concentrates on developing skills in using common computer applications and is structured around content that students can expect to experience in their working environment. Students work with two major microcomputer systems using desktop publishing, graphics, spreadsheets and database software. The course also includes electronic communications using local, national and international networks.

Text

References

GEOLI01 THE ENVIRONMENT 10cp

Hours 6 hours per week for one semester, including lectures, practicals and field excursions.

Semester Offered Semester One
Examination One 3 hour paper, assignments and laboratory practicals.

Content
A lecture, field and practical course which examines in the widest context the evolution of our planet and man’s environment. Specific topics are the Earth in space; evolution and dynamics of the planet Earth; evolution of the atmosphere, hydrosphere, biosphere and life; the impact of climatic change; structures produced as a result of plate collision.

Text

ASTE394 COMPUTER TECHNOLOGY III 10cp

Prerequisites Nil
Corequisites Nil
Hours 2 hours per week
Semester Offered Full Year
Examination The final grade awarded to students is derived from four compulsory projects, one optional

Content
This subject focuses on developing skills in using common computer applications and is structured around content that students can expect to experience in their working environment. Students work with two major microcomputer systems using desktop publishing, graphics, spreadsheets and database software. The course also includes electronic communications using local, national and international networks.

Text

References

HOLH501 HOLISTIC HEALTH 20cp

Semester Offered Full Year

This subject aims to prepare health workers for holistic health practice within the framework of national health goals and priorities, by providing them with a multifactorial perspective on health, an appreciation of the total health system, and skill in problem solving at macro and micro levels. It consists of three separate but related units:

- Health Ecology, the Health System and Problem-Solving/Strategies for Change.
- The subject concentrates on developing skills in using common computer applications and is structured around content that students can expect to experience in their working environment. Students work with two major microcomputer systems using desktop publishing, graphics, spreadsheets and database software. The course also includes electronic communications using local, national and international networks.

Text

References

PWS-KENT, Boston.

HOLH502 HEALTH RESEARCH DESIGN 10cp

Prerequisite Nil
Corequisite Nil
Hours 3 hours per week
Semester Offered Full Year
Lecturer A. Monaem
Examination Assessment components of the subject will include review of research articles, research design and final examination.

Content
This subject is designed to provide students with an understanding of theory and practice of social research within the context of health care services. Students will also be introduced to the basic tools of research relevant to community based health programs. Issues related to quantitative and qualitative types of research will be introduced. The subject will provide opportunities for students to develop a range of research skills appropriate to their area of professional interest.

Text

PHS511 BASIC PROCESSES 10cp

Prerequisite Nil
Corequisite Nil
Hours 56 hours in all
Semester Offered Full Year

Examination Two objective and/or essay style examinations

Content
This subject consists of two units. Unit 1 includes: epidemiological issues, social and political perceptions of "the drug problem", historical development of attitudes and controls, mythology of drug use, etiology and process of drug use, models of addiction, and the addiction process. Unit 2 includes: neurophysiology, neurochemistry, and pharmacology of drug action.

Texts

References

PHS512 COUNSELLING THEORY 20cp

AND PROCEDURES

Prerequisite Nil
Corequisite Nil
Hours 140 hours in all
Semester Offered Full Year
Examination Assessment is based on written assignments, group presentations, demonstration of professional skills and supervision of professional practice.

Content
There are three Units.

Unit 1: Counselling Theory: Considers various theoretical approaches to counselling-dynamic, client-centred, existential, cognitive and behavioural. Focus is on the development of techniques and skills in interviewing; consultation; group leadership and behaviour modification for both drug-dependent persons and significant others. Some discussion of the role of psychological testing will be included.

Unit 2: Group Dynamics: Includes participation as a "client" in a group experience. The aims are to experience at first hand the role of the "client" and to become more understanding of self and others in

Subject Description.

Faculty of Health Sciences

Section Seven Consumer Science

Subject Descriptions
### Treatment and Prevention

There are two units, written on the course. 

- **Goals and Ethical Issues**: and with the principal Donovan, D.M.
- **Prerequisite**: Nation-Based Direct

- **Course 3**: written by another approved institution.

<table>
<thead>
<tr>
<th>Faculty of Health Sciences</th>
<th>Section Seven</th>
<th>Postgraduate Health Science Subject Descriptions</th>
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#### PSHS511 TREATMENT AND PREVENTION

- **10cp**
- **Prerequisite**: PSHS511 Basic Processes
- **Corequisite**: PSHS514 Advanced Counselling
- **Hours**: 56 hours in all
- **Semester Offered**: Full Year
- **Examination**: Based on completion of practical tasks, written assignments and/or essay-type examinations.
- **Content**
  - Treatment and Prevention: There are two units, dealing respectively, with such theoretical aspects of treatment as assessment, referral, therapeutic goals and ethical issues; and with the principal strategies and goals in both drug education and an usual control of drug use.
  - References

#### PSHS514 ADVANCED COUNSELLING

- **10cp**
- **Semester Offered**: Full Year
- **Corequisite**: PSHS513 Treatment and Prevention
- **Subject Descriptions**
  - This subject consists of three units: Family Therapy 
    - An in-depth analysis of theories and techniques of family therapy, and the development of appropriate clinical skills. 
  - Advanced Individual Counselling - practice-oriented examination of a variety of aspects of drug and alcohol counselling/practice including confrontation, early intervention, withdrawal techniques, maintenance, rehabilitation strategies and after care. 
  - Counselor problems and burnout are also discussed. 
  - Professional practice continues, more intensively, the process begun in Unit 3 of Counselling Theory and Procedures.

<table>
<thead>
<tr>
<th>HOLHS31 PRINCIPLES OF PRIMARY HEALTH CARE</th>
<th>10cp</th>
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<tbody>
<tr>
<td>Semester Offered: Full Year</td>
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<tr>
<td>In this subject students will be provided with the opportunity to enhance their awareness of the values, beliefs and principles underlying the concept of Primary Health Care. This will be achieved by identifying factors that affect the development, orientation, structure and provision of health services at national and international levels. This process will be achieved by working in community settings and critically examining literature pertaining to the development of Primary Health Care including World Health Organisations reports, international declarations, regional and national health documents. Students will be working in teams which will provide the focus for discussion of issues, presentations and feedback.</td>
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<td>References</td>
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<tr>
<th>HOLHS32 PRIMARY HEALTH CARE</th>
<th>10cp</th>
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<tr>
<td>PLANNING AND PRACTICE</td>
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<td>Semester Offered: Full Year</td>
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<tr>
<td>In this subject students will develop the skills to act as leader in the development, implementation and provision of primary health care services, and enable them to work towards the achievement of &quot;Health for All by the Year 2000&quot;. This will be achieved by students with ongoing community experience to enable integration of theory and practice. Students will continue to work in teams and small groups to carry out a major community-based project. Media techniques and technology will be incorporated in seminar presentations and the group project. Central to this subject is emphasis on continuous, autonomous self-assessment through a seminar program.</td>
<td></td>
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<tr>
<td>References</td>
<td></td>
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<tr>
<td>Brehm, A. &amp; Liddiard, P. 1981, Look at it This Way: New Perspectives in Rehabilitation.</td>
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<tr>
<th>PS91001 PRINCIPLES IN REHABILITATION I</th>
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<tr>
<td>Semester Offered: Full Year</td>
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<tr>
<td>Prerequisite Nil</td>
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<td>Corequisite Nil</td>
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<tr>
<td>Hours: 2 hours per week for 28 weeks face-to-face, 3 hours per week for 28 weeks directed study.</td>
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<td>Lecturer(s): Ethobuche</td>
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<td>Examination Class seminar presentations and essays.</td>
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<td>Content</td>
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<tr>
<td>This subject consists of two strands which focus on the onset of Rehabilitation Service Delivery and Social Policy and Rehabilitation. These strands are designed to provide participants with knowledge of the history, development and principles of rehabilitation and the social welfare system in a multi-disciplinary context.</td>
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<td>Texts</td>
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<td>No prescribed texts.</td>
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<tr>
<th>PS91002 REHABILITATION COUNSELLING I</th>
<th>10cp</th>
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<tr>
<td>Semester Offered: Full Year</td>
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<tr>
<td>Prerequisite PSHS5101</td>
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<td>Corequisite Nil</td>
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<td>Hours: 2 hours per week for 28 weeks face-to-face, 3 hours per week for 28 weeks directed study.</td>
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<tr>
<td>Lecturer(s): Ethobuche / A. Nicholas</td>
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<tr>
<td>Examination Class seminar presentations and essays.</td>
<td></td>
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<tr>
<td>Content</td>
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<tr>
<td>The focus of this subject is an introduction to Counselling Theory and Practice, together with studies in Community Rehabilitation. Students will also complete a Professional Practice component.</td>
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<tr>
<td>Texts</td>
<td></td>
</tr>
<tr>
<td>No prescribed texts.</td>
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</tbody>
</table>

| References | | |
Roessler, R.T., Rubin, S.E. 1982, Case Management and Rehabilitation Counselling, Austin, Texas, Pro-ed.

PSHS503 PRINCIPLES IN REHABILITATION 2 10cp

Prerequisite PSHS501
Corequisite PSHS504 Rehabilitation Counselling 2

Hours 2 hours per week for 28 weeks face-to-face, 3 hours per week for 28 weeks directed study

Semester Offered Full Year
Lecturer(s) Elibohuche / G. Schreiber

Examination Class seminars, presentations and essays

Content
This subject builds on knowledge and skills gained in Year 1 of the program. Topics will include the application of a variety of rehabilitation perspectives (physical, psychosocial, vocational/avocational) to the resolution of rehabilitation problems, which occur in different occupational environments including home and leisure as well as work settings. Students will also explore some aspects of rehabilitation medicine and legal studies pertinent to rehabilitation.

Text
No prescribed texts

References

PSHS504 REHABILITATION COUNSELLING 2 20cp

Prerequisite PSHS502 Rehabilitation Counselling 1
Corequisite PSHS503 Principles in Rehabilitation 2

Hours 6 hours per week for 28 weeks face-to-face, 4 hours per week for 28 weeks directed study

Semester Offered Full Year
Lecturer(s) Elibohuche / G. Schreiber

Examination Class seminars, presentations and essays

Content
This subject extends studies undertaken in Year 1 by emphasizing advanced counselling theory and practice and Professional Practice. Part of the practice will be in the student's place of work (if deemed appropriate) and part will be undertaken in other venues where vocational counselling services are offered. In both placements, students will report to an approved supervisor who would be an accredited rehabilitation counsellor. It is expected that the work be supervised and would include opportunities for students to have practical experience in case work management of individuals, specialised groups and/or facilities. As well, opportunities would be provided for students to develop skills in job marketing and placement in co-ordination, resource management and/or net working in the other agencies.

Text
No set text.

References

Brechin, A. & Liddiard, P. 1981, Look at it this way: New Perspectives in Rehabilitation.
Roessler, R.T., Rubin, S.E. 1982, Case Management and Rehabilitation Counselling, Austin, Texas, Pro-ed.
### HEALTH SERVICES MANAGEMENT

<table>
<thead>
<tr>
<th>Subject</th>
<th>Code</th>
<th>Title</th>
<th>Offered Semesters</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOLH561 HEALTH CARE SYSTEMS</td>
<td>10 cp</td>
<td></td>
<td>Semester 1</td>
<td>The microeconomics of the provision and utilisation of health care services. The physician as economic agent. Preventive care and health promotion. Measuring hospital costs and outputs. The regulation of health care services. Evaluating the equity of distribution of health care services. Economics and health policy: asking the appropriate questions.</td>
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</tbody>
</table>

**Semester Content**
- Three hours seminar/tutorial per week
- Two assignments (10% each)
- Examination (25%)

**References**

<table>
<thead>
<tr>
<th>Subject</th>
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<th>Offered Semesters</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>MED613 BASIC BIOSTATISTICS</td>
<td>10 cp</td>
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<td></td>
<td>The aim of this subject is to enhance critical appraisal skills with respect to the understanding of the statistical methods used by the authors and the interpretation of the results system. At the completion of the subject the students should be able to critique the statistical methods used and draw their own conclusions about the quality of the evidence presented in the article.</td>
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</tbody>
</table>

**Semester Content**
- Three hours seminar/tutorial per week
- One assignment (20%)
- Examination (30%)

**References**

<table>
<thead>
<tr>
<th>Subject</th>
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<th>Title</th>
<th>Offered Semesters</th>
<th>Content</th>
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<tbody>
<tr>
<td>MNGT555 INTRODUCTION TO MANAGEMENT</td>
<td>10 cp</td>
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<td></td>
<td>This subject will attempt to introduce students to legal method and the way in which the legal system affects the provision of health services. The course will be divided into two parts. The first part will consider general legal topics, but with a health perspective. The examples used in presentation of material will be carefully chosen to include a health related theme.</td>
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</tbody>
</table>

**Semester Content**
- Two hours seminar/tutorial per week
- Examination (40%)

**References**

### HEALTH SERVICES MANAGEMENT

<table>
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<tr>
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<tbody>
<tr>
<td>LAW520 HEALTH SERVICES LAW</td>
<td>10 cp</td>
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<td>The provision of health care services involves a dynamic set of complex relationships that are linked to the changing social, economic and political conditions of the States, the nation, and the world. Conditions change, so do the problems and issues that must be resolved in order that health care systems make a positive impact on the health of populations and achieve the objectives of accessibility, quality, efficiency and affordability. Those who aspire to leadership position in the health care field must be able to formulate critical questions about existing systems, obtain and analyse data about health services in relation to these questions, and in the context of general social policy. plan, design, implement, manage and evaluate programs of health care services that are responsive to changing conditions and consistent with the objectives of health care systems.</td>
</tr>
</tbody>
</table>

**Semester Content**
- Two hours seminar/tutorial per week
- Examination (40%)

**References**

### HEALTH SERVICES MANAGEMENT

<table>
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<tr>
<th>Subject</th>
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<th>Offered Semesters</th>
<th>Content</th>
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<tbody>
<tr>
<td>HOLH562 HEALTH SERVICES MANAGEMENT</td>
<td>10 cp</td>
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<td>This subject provides the student with opportunities to further develop his/her knowledge of theoretical concepts in management. It also enables the student</td>
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</table>

**Semester Content**
- Two hours seminar/tutorial per week
to further develop competencies of leadership, negotiation, communication, problem-solving, decision making, human resource management and managing change.

**ECON503 EMPLOYMENT RELATIONS**

*Prerequisite* Nil
*Corequisite* Nil
*Hours* Two hours per week
*Semester Offered* Semester 2
*Examination*

This subject is designed to introduce students, in a very broad way, to the main features of Employment Relations in Australia. The initial focus is on industrial conflict and then attention is devoted to the main institutions concerned with its generation and regulation; i.e. trade unions, employers, industrial tribunals and other forms of state intervention. Finally some of the contemporary issues such as award restructuring, enterprise bargaining, occupational health and safety and disadvantaged groups are considered.

**INF0505 MANAGEMENT INFORMATION SYSTEMS**

(Alas MNGT511)

*Prerequisite* Nil
*Corequisite* Nil
*Hours* To be advised
*Semester Offered* Semester 2

This course is designed to expose potential managers to the variety of management information systems available today. The aim is to emphasise the role of the computer in the planning function, rather than simply in the day-to-day transaction based operational systems. Specific topics covered will include: structure of the MIS, decision making, strategic planning, the role of the microcomputer, decision support systems, expert systems, security and privacy implications.

**PSHS661 SOCIAL AND ETHICAL ISSUES**

*Semester Offered* Semester 1

Examination of health care issues from sociological and ethical perspectives.

**HOLH662 EVALUATION OF HEALTH SERVICES**

*Prerequisite* MNGT555, HOLH561, HOLH562, MED613
*Hours* 2 hours per week for 14 weeks
*Semester Offered* Semester 1

Review of health services management functions and structures including total quality management.

**HOLH663 HEALTH SERVICES MANAGEMENT RESEARCH PROJECT**

*Prerequisite* MNGT555, HOLH561, HOLH562, MED613
*Semester Offered* Semester 1 or 2

This research project will require students to engage in a "change" activity. The aim of this activity is to improve aspects of organisational function and understanding of:

(i) the social, political and economic circumstances affecting health service delivery,
(ii) management requirements and,
(iii) the change process.

*Texts* To be advised.