Medical School
Website: http://www.medicine.adelaide.edu.au

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Medical School — Awards and Rules

Undergraduate awards in the Medical School

Ordinary degree of Bachelor of Health Sciences
Honours degree of Bachelor of Health Sciences
Honours degree of Bachelor of Medical Science
Bachelor of Medicine and Bachelor of Surgery

Notes on Delegated Authority

1 Council has delegated the power to approve minor changes to the General Academic Program Rules to the Convenor of the Academic Board.

2 Council has delegated the power to approve minor changes to the Specific Academic Program Rules to the Executive Deans of Faculties.

3 Council has delegated the power to specify syllabuses to the Head of each department or centre concerned, such syllabuses to be subject to approval by the Faculty or by the Executive Dean on behalf of the Faculty. The Head of department or centre may approve minor changes to any previously approved syllabus.
The University is currently in the process of implementing a new information systems infrastructure. This includes a new Student Administration system. A consequence of this initiative is that the University has adopted a new set of nomenclature to describe its academic awards and curriculum offerings.

The changes in terminology that will be noticed in the Handbook of Academic Programs are as follows:

<table>
<thead>
<tr>
<th>Academic Program</th>
<th>Is used to describe academic awards which were previously referred to as Courses</th>
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<tr>
<td>Course</td>
<td>Is used to describe syllabus offerings which were previously referred to as Subjects</td>
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<td>Unit</td>
<td>Is used to describe the value the course contributes to program completion previously referred to as Points</td>
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Bachelor of Health Sciences

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 General

1.1 There shall be an Ordinary and an Honours degree of Bachelor of Health Sciences. A candidate may obtain either degree or both.

2 Duration of program

2.1 The program of study for the Ordinary degree shall extend over three years of full-time study or its part-time equivalent.

3 Assessment and examinations

3.1 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the teaching staff concerned. A candidate who is not eligible to attend for examination shall be deemed to have failed the examination.

3.2 In determining the final result in a course (or part of a course) the examiners may take into account a candidate’s oral, written, practical and examination work, provided that the candidate has been given adequate notice at the commencement of the teaching of the course of the way in which work will be taken into account and of its relative importance in the final result.

3.3 There shall be four classifications of pass in each course for the Ordinary degree, as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass. If the Pass classification be in two divisions, a pass in the higher division may be prescribed in the syllabuses as a prerequisite for admission to further studies in that course or other courses.

3.4 A candidate who fails a course or who obtains a lower division pass and who desires to take that course again shall, unless exempted wholly or partially therefrom by the head of the department concerned, again complete the required work in that course to the satisfaction of the teaching staff concerned.

3.5 A candidate who has twice failed the examination in any course for the Ordinary degree may not enrol for that course again or for any other course which in the opinion of the Faculty contains a substantial amount of the same material, except by permission of the Faculty and then only under such conditions as Faculty may prescribe.

9 There shall be three classifications of Pass in the final assessment of any course for the Honours degree as follows: First Class, Second Class, Third Class. The Second Class classification shall be divided into two divisions as follows: Division A and Division B.

4 Qualification requirements

4.1 General

4.1.1 To qualify for the Ordinary degree a candidate shall, subject to the conditions specified in 4.2 and 4.3 below, pass courses from 5 to the value of at least 72 units, which include the following:

(a) Level I courses to the value of at least 24 units, which must include, unless exempted by the Faculty:
   - 3637 Human Biology I
   - 7183 Public Health I

(b) Level II courses to the value of at least 24 units, which must include, unless exempted by the Faculty:
   - 1381 Biology of Disease II
   - and one other course to the value of at least 4 units from those listed as Health Sciences courses.

(c) Level III courses to the value of at least 24 units, which must include courses from those listed as Health Sciences courses, to the value of at least eight units and may not include courses from those listed as Law courses to the value of more than twelve units.

(d) the completion of a major in the field of either health sciences or biological sciences, as follows:
   - Health Sciences: Level III courses to the value of 12 units from those listed under this heading in 4.2;
Biological Sciences: Level III courses to the value of 12 units from those listed under the heading of Science courses in 5.

4.1.2 With the permission of the Dean and the Dean of the other Faculty, in lieu of up to 14 units prescribed under 4.1 above, a candidate may take courses, from the Specific Academic Program Rules of any Faculty, which are not listed in 4.2, but which are considered appropriate coursework for the degree of Bachelor of Health Sciences.

4.1.3 Candidates may be permitted to count towards the degree courses which have been passed in another degree program, up to a maximum value of 48 units, but will be required to present Level III courses to the value of 24 units which have not been presented for another degree, and in addition satisfy the requirements of clauses (c) and (d) of Rule 4.1.

4.1.4 Notwithstanding the provisions of Rule 4.3, a student who has withdrawn his or her candidature for the degrees of BDS or MBBS after completing at least three program years may be granted status in this degree for up to 72 units and be deemed to have satisfied the requirements of Rule 4.1 above.

notes to 4.1(d)

Health Sciences field

Although some Level III Health Science courses do not have prerequisites, candidates who wish to major in Public Health are advised to take Public Health Inquiry. When considering this field as a major, candidates should note that many Science courses at Level III have prerequisites which may restrict their choice of courses from other Level III courses.

Biological Sciences field

Candidates who wish to select this field as a major should note that all Level III courses, in this field, have prerequisite courses and a major in this field requires careful planning of course selection, from the first year of the program.

4.2 Courses of study

Level I

Health Science courses
3637 Human Biology I 6
5104 Psychology I 6
7183 Public Health I 6

Science courses
6878 Chemistry I 6
8954 Environmental Biology I 3
7138 Molecular and Cell Biology I 6
9615 Physics for the Life and Earth Sciences I 6

Mathematical Sciences courses
4003 Computer Applications I 3
9894 Computer Literacy 3
9276 Computer Science I 6
6918 Scientific Computing I 3
5543 Statistical Practice I 3

Arts courses
7695 Memory, Community and Conflict: Australia Since 1788 I* 6
5170 Introduction to Australian Politics I 3
2919 Australian Political Economy and Public Policy I 3
4361 Environmental Studies I: Core Concepts 3
3281 Environmental Studies I: Core Contexts 3
3517 Gender, Work and Society I 3
5988 Geography IA: Population, Society and Environment 3
5207 Geography IB: Footsteps on a Fragile Planet 3
7419 Introduction to Social Anthropology I 6
5704 Philosophy IB: Morality, Society and the Individual 3
2934 Physics, Ideas and Society 3
6642 Social Sciences in Australia I 3
2901 Women’s Health Issues* 3

Economics and Commerce courses
4309 Microeconomics I 3
2076 Macroeconomics I 3
3565 The Australian Economy: Institutions and Policy I 3

Level II

Health Science courses
1381 Biology of Disease II 4
4223 Craniofacial Growth and Development II 4
6498 Human Biology II 8
6484 Human Reproductive Biology II 4
4416 Psychological Research Methodology II 4
5846 Psychology II (new) 8
4285 Public Health Inquiry II 4
7703 Public Health Issues II 4
5764 Systematic Histology and Embryology II 4

Mathematical Sciences courses
4523 Statistical Practice II 2
## Science courses
- 1404 Biochemistry II 8
- 4863 Genetics II 8
- 7013 Microbiology and Immunology II 8
- 3773 Physiology II 8

## Arts courses
- 8195 Aborigines and the State II* 4
- 9742 Australian Labour History II 4
- 1574 Australian Political Economy and Public Policy II 4
- 4287 Discourse and Power II 4
- 8673 Economic Geography II 4
- 1867 Environmental Politics II 4
- 5943 Gender: 'The Body' and Health II 4
- 3450 Gender, Work and Society II 4
- 5581 Geographical Analysis of Population II 4
- 3998 History and Philosophy of Environmentalism II 4
- 6204 Issues and Techniques in the Social Sciences 4
- 9625 Labour Studies II 4
- 3664 Local Communities, Global Cultures II* 4
- 9643 Media and Culture II 4
- 3352 Private and Public Policy in South Australia II* 4
- 1795 Problems, Policy and Australian Politics II 4
- 4173 Sexing the Disciplines II 4
- 9030 Social Geography II* 4
- 6691 Social Institutions: Power and Ethics II 4
- 4905 Social Sciences in Australia II 4
- 4166 Spatial Information Analysis* 4
- 3895 Theories of Practice I* 4
- 6914 Towards an Anthropology of Australian Society II* 4

## Economics and Commerce courses
- 5381 Australian Economic History II 4
- 9893 Macroeconomics II 4
- 8870 Microeconomics II 4

## Law courses
- 5272 Law of Contract 4
- 9402 Legal Skills I 4

## Level III
### Health Sciences courses
- **Anatomical Sciences**
  - 4949 Biological Anthropology 3
  - 6900 Comparative Reproductive Biology of Mammals 3
  - 6342 Integrative and Comparative Neuroanatomy 3
  - 7997 Topics and Techniques in Cytology 3

- **Clinical and Experimental Pharmacology**
  - 4574 Advanced Topics in Pharmacology and Toxicology 6
  - 1730 Introductory Pharmacology 6

- **Psychology**
  - 3650 Applied Behaviour Change and Training III 2
  - 2196 Environmental Psychology III 2
  - 8779 Metapsychology III 2
  - 6086 Perception and Cognition III 2
  - 8659 Social Psychology III 2
  - 1803 Developmental Psychology III 2
  - 7196 Intelligence III 2
  - 2318 Mind, Brain and Evolution III 2
  - 7324 Studies in Personality III 2

- **Public Health**
  - 1363 Public Health IIIA 6
  - 2457 Public Health IIIB 6

- **Other**
  - 5398 Medical Microbiology and Immunology III 6
  - 3076 Oral Health and Disease III 6
  - 6225 Pathology III HS 6

### Science courses
- **Biochemistry**
  - 9829 Cell and Developmental Biology III 6
  - 2599 Molecular and Structural Biology III 6

- **Genetics**
  - 6985 Human, Developmental and Evolutionary Genetics 6
  - 9176 Molecular Genetics: Genomes and Gene Expression 6

- **Microbiology and Immunology**
  - 4236 Infection and Immunity A 6
  - 7025 Infection and Immunity B 6

- **Physiology**
  - 8880 Physiology: Cells, Systems and Physiology III 6
  - 7117 Human Movement Studies III 6
Arts courses

**Anthropology**
- 5437 Aborigines and the State III* 6
- 6730 Ethnic Identity and Ethnic Conflict III* 6
- 1471 Local Communities, Global Cultures III* 6
- 2366 Media Analysis III 6
- 6138 Theories of Practice III* 6
- 1575 The Sexual Body: A Cross-Cultural Perspective III* 6

**Environmental Studies**
- 7195 Environmental Hazards III* 6
- 7731 Environmental Politics III 6

**Gender Studies**
- 7378 Gender: 'The Body' and Health III 6
- 7251 Social Institutions: Power and Ethics III 6

**Geography**
- 6159 Cities and Housing III 6
- 9923 Geographic Information Systems III 6
- 1150 Regional Development III 6
- 1452 Rural Social Geography III 6

**Politics**
- 9990 Private and Public Policy in South Australia III* 6
- 2149 Problems, Policy and Australian Politics III 6
- 9765 South Australian Internship Program III 6
- 8382 Women and Policy III* 6

**Other Arts**
- 1444 History of the Indigenous People of Australia III 6
- 1237 Moral Problems III 6
- 2205 Social and Labour Research III 6

**Economics courses**
- 8367 Applied Microeconomics III 4
- 4466 Macroeconomics III 4
- 3658 Microeconomics III 4
- 7981 Public Finance III 4

**Law courses**
- 5144 Administrative Law 4
- 1593 Civil and Criminal procedure 4
- 5499 Australian Constitutional Law 4
- 6241 Corporate Law 4
- 7659 Equity 4
- 4062 Law of Crime 4
- 9136 Law of Evidence 4
- 3201 Law of Torts 4
- 5432 Legal Ethics 4
- 9402 Legal Skills I 4
- 8855 Legal Skills II 4
- 9947 Legal Skills III 4
- 6337 Legal Research 4
- 8932 Property Law 4

*Not offered in 2001

**note**

(not forming part of the Specific Academic Program Rules)

**Studies in Law within the Degree of Bachelor of Health Sciences**

1. Candidates for the Bachelor of Health Sciences may only undertake Law courses if they are also candidates for the Bachelor of Laws.
2. Candidates who have gained a reserved place in Law studies on the basis of their SACE or equivalent results must, at the first attempt, successfully complete courses to the value of 24 units at Level I of the B. Health Sc. before being eligible to take up their place in Law studies.
3. Candidates who have successfully completed courses to the value of 24 units at Level I of the Bachelor of Health Sciences may apply for admission to the program for the degree of LLB. Applications for admission to the LLB must be made through SATAC by late September of the year during which the Level I courses are completed.
4. Except with the permission of the Dean of the Faculty of Law or a nominee, 6019 Law and Legal Process must be undertaken concurrently with the Law course 3731 Law of Contract. These two courses are prerequisites for each of the third year Law courses listed in 5. Students must complete all the requirements for the B. Health Sc. before they can obtain their LLB. degree.

See also the Specific Academic Program Rules of the LLB. degree and see, in particular, the Introductory Notes to the LLB. Syllabuses.

**4.3 The Honours degree**

4.3.1 A candidate may, subject to approval by the Head of the department concerned, proceed to the Honours degree in one of the following courses:

- 8110 Honours Anaesthesia & Intensive Care
- 1739 Honours Anatomical Sciences
- 6777 Honours Biochemistry
- 4333 Honours Clinical Nursing
- 2190 Honours Dentistry
- 7599 Honours Genetics
- 5349 Honours Medicine
- 4408 Honours Microbiology and Immunology
4.3.2 The program comprises three equally important aspects undertaken concurrently:
(a) Program of reading in selected fields, and the submission of a series of essays associated therewith
(b) Experimental or scholarly work covering a wide range of techniques
(c) The undertaking of a research project which will be assigned early in the program and on which a thesis must be submitted.

4.3.3 The examination for the degree will consist of a written paper or papers, the essays submitted during the year, the thesis on the research project, an oral examination, and a practical examination if required by the examiners.

4.3.4 A candidate may, subject to the approval of the Faculty in each case, proceed to the Honours degree in a course taught in a department in another faculty. Candidates must consult the Head of the department concerned and apply, in writing, to the Faculty before 30 November in the preceding year for admission to the Honours program.
Syllabuses

Level I

3637 Human Biology I
6 units full year
3 lectures, 3 hours tutorial/laboratory work per week
The aim of Human Biology I is to introduce students to the biology of the human species. Aspects of human structure and function, genetics, evolutionary origins, disease and defence systems, reproduction and ecology are encompassed within the course. Topics covered include the basic principles of genetics and the influence they have on human variation; mechanisms of human evolution; a description of human evolution together with the supporting fossil and molecular evidence; organisation of the human body and how the functions of the various cells, tissues, organs and systems relate to their structure and are controlled; the effects of infectious agents on the human body, the principles underlying the functioning of the bodies immune system; fundamentals of ecology and the impact of humans on the environment. A study of human reproduction includes the origins and maturation of the female and male gametes, events culminating in fertilisation and subsequent embryonic and foetal development.

5104 Psychology I
6 units full year
See Psychology in the Faculty of Humanities and Social Sciences for syllabus details

7183 Public Health I
6 units full year
4 hours per week
How and why have the main causes of illness and death in Australia changed over time? How do we define and measure health and illness? How does society balance personal liberty with welfare, on issues such as smoking or immunisation? What strategy for reducing drug and alcohol abuse is likely to be effective? How important are controls over food safety and water quality? How do ecological issues impact on public health? What political issues are involved in allocating resources for health or maintaining a healthy environment?

Public Health I seeks answers to such questions by drawing on a number of disciplines, including history, politics and ethics; health economics, sociology and social psychology; epidemiology; and ecology and environmental studies. It takes a population view of health and invites students to develop a critical view about what constitutes a public health issue and about the responses offered to these issues.

Level II

1381 Biology of Disease II
4 units semester 2
2 lectures, 1 tutorial a week
prerequisite: 3637 Human Biology I
The course provides a general introduction to pathology, ie the scientific study of disease as well as examining its role in the diagnosis and management of patients. Topics covered include causes and basic classification of tissue processes (and their mechanisms) which underlie disease (ie. necrosis, inflammation, tissue repair, neoplasia) as well as discussion of the pathological changes which occur during some of the more common diseases affecting various body systems (ie. Dementia, diabetes mellitus, AIDS and some cancers).

4223 Craniofacial Growth and Development II
4 units semester 1
1 lecture, 2 hours practical work/tutorial per week
prerequisite: 3637 Human Biology I
The aim of this course is to introduce concepts of craniofacial morphology and growth with particular emphasis on applications in medicine, surgery and dentistry. Introductory sessions cover aspects of evolution of head form and the comparative anatomy of the masticatory system. Theories of craniofacial growth serve to introduce the student to a detailed study of the mechanisms of craniofacial growth and development of dental occlusion. Both normal and pathological growth, as well as genetic considerations are covered. Clinical aspects of general child growth and its assessment are specifically related to craniofacial growth. Application of growth data in cranio-maxillo-facial surgery and orthodontics is also discussed.
The practical and tutorial component of the course gives students an opportunity to examine records used in growth surveys and perform statistical analyses. Students also have the opportunity to examine skeletal material and to explore aspects of the program in more detail. Craniofacial imaging by three-dimensional computer simulation is demonstrated using data from individuals with craniofacial abnormalities.

**assessment:** to be advised

**3361 Ethical Issues in the Biological Sciences II**
4 units  semester 1
4 contact hours per week arranged as lectures, tutorials/PBL sessions
**prerequisite:** 3637 Human biology I (Pass) and 7183 Public Health I (Pass) or equivalent

This course aims to develop students’ awareness of the ethical and social challenges in the health sciences. It is suitable for health science, science, and humanities and social science students. The topic areas may include ethical analysis of the following: research practice; reproduction and reproductive technologies; genetics; animal and human experimentation; death and dying. The focus on these topical issues in modern science will be underpinned by an introduction to the philosophy of science and methods in bioethics.

**assessment:** tutorial participation, case presentation/analysis, essay, reports to a total of approximately 6000 words

**5846 Psychology II**

**559 Systematic Histology and Embryology II**
4 units  semester 1
3 lectures, 2.5 hours tutorial/practical work per week
**prerequisite:** 3637 Human Biology I

The systematic histology component of this course investigates the light and electron microscopic structure of organs and systems of the human body and their relationships to function and builds upon knowledge of basic tissues gained in 3637 Human Biology I. Emphasis is placed on the interrelationships between various tissue types comprising an organ or a system and on biomechanics and their clinical application. Topics include analysis of the properties and roles of bone, cartilage, ligaments, muscles, and tendons in the generation of movement.

**assessment:** written and practical exams, tutorial papers and research project

**4285 Public Health Inquiry II**
4 units  semester 2
5 hours per week
**prerequisite:** 7183 Public Health I

Public Health Inquiry II builds upon material introduced in Public Health I to provide a detailed introduction to the basis for two major streams of inquiry in public health - quantitative methods and social theory. On completion of Public Health Inquiry II students should be familiar with the most commonly used methods of quantitative inquiry in public health and have an understanding of some key theoretical perspectives on the means by which health and illness are produced and managed in the context of a society. The stream in quantitative methods will examine epidemiological and biostatistical research methods. Students also will develop skills in the interpretation and synthesis of published public health research. The stream in social theory introduces students to several key concepts and how they are applied to public health. Students will become familiar with explanations of health and disease related to three main schools of social thought.

**assessment:** to be advised

**5764 Systematic Histology and Embryology II**
4 units  semester 1
3 lectures, 2.5 hours tutorial/practical work per week
**prerequisite:** 3637 Human Biology I

The systematic histology component of this course investigates the light and electron microscopic structure of organs and systems of the human body and their relationships to function and builds upon knowledge of basic tissues gained in 3637 Human Biology I. Emphasis is placed on the interrelationships between various tissue types comprising an organ or a system and on
structure/function relationships in healthy individuals. Topics investigated include blood and haemopoiesis, the respiratory, cardiovascular, lymphoid, renal, digestive, endocrine and reproductive systems. The embryology component focuses on morphological development in early stages of pregnancy, including fertilisation, implantation, embryonic differentiation and structural aspects of maternal-fetal interactions.

Practical and tutorial sessions provide opportunities for visual investigation of material and expansion of concepts presented in the lectures.

assessment: written, practical exams; tutorial papers, essay. Details provided at commencement of course

Level III

7367 Aboriginal Health Policy IIIHS
6 units semester 2
Intensive course held over 6 days during mid-semester break
prerequisite: 4285 Public Health Inquiry II

This course offers students the opportunity to analyse current public policy affecting the health of Aboriginal Australians. It uses historical and political analysis, and comparative studies of other indigenous populations, to provide a context for reflection on current Aboriginal health status and health needs. The course provides opportunities for students to explore a wide range of Aboriginal health programs and issues, through an intensive and multi-disciplinary teaching program and individual research.

4949 Biological Anthropology III
3 units semester 2
prerequisite: 6498 Human Biology II (Pass) or equivalent

See Bachelor of Science in the Faculty of Science for syllabus details

3651 Biostatistics IIIHS
6 units semester 1
2 hours lectures/tutorials/workshops/seminars per week

This course is designed to suit students requiring a high degree of self-sufficiency in the collection, analysis and interpretation of data. The topics will include survey sampling methods, analysis of categorical data, non-parametric statistical methods, multivariate linear modelling and survival analysis.

A central feature of the course will be instruction in the use of statistical packages on computers. Emphasis will be placed on the practical application of statistical skills to real data sets and the rational interpretation of results, especially results generated by statistical packages.

6900 Comparative Reproductive Biology of Mammals
3 units semester 1
prerequisite: 6498 Human Biology II (Pass) and 5764 Systematic Histology and Embryology II(Pass) or equivalent

See Bachelor of Science in the Faculty of Science for syllabus details

3351 Epidemiology of Infectious Diseases IIIHS
6 units semester 2
2 hours lectures/tutorials/workshops/seminars per week

The course aims to introduce students to the epidemiology of infectious diseases of public health importance. Topics covered will be the descriptive epidemiology of these diseases, including the roles of surveillance and investigation of outbreaks of diseases. Specific topics, such as immunisation and emerging infectious diseases, will also be considered. There will be opportunities to examine how infectious disease activities are coordinated in South Australia. Students will attend lectures and undertake special projects.

3340 Ethical Issues in the Biological Sciences III
6 units semester 1
4 contact hours per week arranged as lectures, tutorials/PBL sessions
prerequisite: Level II courses to value of 12 units
restriction: 3361 Ethical Issues in the Biological Sciences II (Pass)

This course aims to develop students’ awareness of the ethical and social challenges in the health sciences. It is suitable for health science, science, and humanities and social science students. The topic areas may include ethical analysis of the following. Research practice; reproduction and reproductive technologies; genetics; animal and human experimentation; death and dying. The focus on these topical issues in modern science will be underpinned by an introduction to the philosophy of science and methods in bioethics.
4403 Ethical Issues in Public Health IIHS
6 units  semester 1
Intensive course held over 6 days during mid-semester break
This course consists of two sections. About 40% of the time is devoted to an examination of theoretical questions, including the bases for ethical argument in a pluralist society, the moral foundations of public policy and the justification of social demands for individuals to conform to policy. The second, larger part of the course, includes a critique of the ethical implications of the public health movement and of particular policies. This second part attends to matters such as environmentalism, resource distribution in an ageing population, ethical dilemmas in primary care, and ethical problems in epidemiology.

3697 Health Promotion IIHS
6 units  semester 2
2 hours lectures/tutorials/workshops/seminars per week
This course may be taught in conjunction with the Centre for Health Promotion Research, Curtin University of Technology. It deals with concepts of health and theories of health behaviour; the concept of prevention; health education and health promotion; health promotion policies; community analysis; focusing program development; developing a program plan; program implementation; and program evaluation.

6342 Integrative and Comparative Neuroanatomy III
3 units  semester 1
prerequisite: 6498 Human Biology II (Pass), 5764 Systematic Histology and Embryology II (Pass) or equivalent
See Bachelor of Science in the Faculty of Science for syllabus details
Medical School — B.Health Sc.

3760  Intro Environmental and Occupational Health IIHS
6 units  semester 2
2 hours lectures/tutorials/workshops/seminars per week
This course will introduce the stalwarts of environmental health, namely water quality and water pollution, food quality and air quality. There will also be some consideration of an important contemporary concern in environmental health: the pressures of rising population numbers and the ecological consequences of trying to ensure adequate food supplies. The course will also include an introduction to occupational health: how workplace hazards can affect health, and legislative and other strategies for the control of the hazards. There will be some consideration of how the changes in human ecology influence the emergence of new infectious diseases and the re-emergence of old diseases. Local environmental health issues will be considered as examples of global environmental health problems.

2105  Introduction to Epidemiology and Biostatistics IIHS
6 units  semester 1
2 hours lectures/tutorials/workshops/seminars per week
This course deals with epidemiological and statistical concepts and terminology, basic analytic techniques and research designs. It does not aim to train specialist epidemiologists or biostatisticians; instead the purpose is to give "undifferentiated" public health workers an introduction to these disciplines. Some basic numeracy skills will be required.
By the end of the course students should grasp basic concepts in epidemiology and statistics; have an understanding of quantitative research strategies; begin to critically assess literature in the public health domain which employs epidemiological and statistical methods; understand the uses that are made of epidemiological information in public health; understand the role of epidemiology in surveillance of the health status of populations; and appreciate the use of statistics in making decisions in the face of uncertainty.

5398  Medical Microbiology and Immunology III
6 units  semester 1
2-3 lectures, 3 hour practical/demonstration each week
prerequisite: 1381 Biology of Disease II
The isolation, morphology, physiology and classification of bacteria of medical importance. The principles of sterilisation, disinfection and the use of antibiotics and chemotherapeutic agents. The role of microorganisms in human disease, considered as a study of host-parasite relationships; epidemiology and its relation to hospital cross-infections. An outline of human virus, fungal and parasitic infections. The collection of specimens for bacteriological and viral diagnosis. The principles of immunology as applied to the diagnosis, prophylaxis and therapy of bacterial and virus diseases, transplantation, diseases due to allergy or hypersensitivity and autoimmunity. The course is related, whenever possible, to clinical material.
assessment: end of semester written exams

3076  Oral Health and Disease III
6 units  semester 2
2 lectures, 2 hours practical work/tutorial per week
prerequisite: 1381 Biology of Disease.
This course introduces the structure, development and functions of the oral tissues, their interrelationships and their relation to other organ systems in health and disease. The curriculum includes a number of units covering oral mineralised tissues, oral mucosa and periodontium, salivary glands and saliva, the oral microbiological system, orofacial growth and development, oral motor and sensory systems and oral diagnostic methodology.
The practical component of the course will introduce laboratory techniques such as collection, handling and analysis of oral fluids and laboratory techniques for examining dental plaque and microorganisms in the oral cavity.
assessment: written tests for each module, project reports, presentations
6225 Pathology III HS
6 units full year
2 lectures, 2 hours practicals 1 tutorials per week
prerequisite: 9473 Cells and Tissues II, 3773 Physiology II, 1381 Biology of Disease II

In the first semester, students are introduced to the general principles of cellular and tissue pathology. The nature of cell and tissue degeneration and death is addressed, followed by detailed appraisal of inflammation, wound and tissue repair, disorders of cell and tissue growth, infection, ischaemic heart disease, hypertension, haemorrhage and shock, and neoplastic processes. In the second semester, the course considers selected topics in the systematic pathology of various diseases including asthma, dementia, stroke, osteoporosis and some cancers. In both semesters, Clinical and Pathological Science workshops are conducted by groups of contributors from a range of clinical disciplines.

assessment: end of semester written, practical exams

3862 Short Course in Environmental Health III HS
6 units semester 2
Intensive course held over 5 days in November/December

The course will focus primarily on the process of identifying, quantifying, evaluating and managing the health effects of population exposures to various environmental contaminants and other factors. 'Risk' will provide the framework, including hazard identification, risk assessment, risk management and risk communication. To address the potential hazards of ambient environmental exposures, various public health disciplines are needed: epidemiology to help identify hazards and quantify risk; toxicology to provide collaborative quantitative experiment data on biological effects of hazardous agents and understand the toxic process; environmental sciences to measure exposure; and various policy analysis-related disciplines (eg. environmental law, sociology, health economics) to appraise and manage risk. The course will illustrate the role of these disciplines in the investigation and management of environmental health problems. Viewed broadly, the study of environmental health encompasses urban design, transport noise management, and traditional public health issues in relation to human populations. It also encompasses macro problems such as climate change, ozone depletion and land degradation. These macro topics will be briefly addressed but not systematically developed. As a result of attending this course, students will understand selected relationships between the environment and human health and be able to apply this information to develop risk assessment and risk management strategies.

Psychology

3650 Applied Behaviour Change and Training III
2 units semester 1

1803 Developmental Psychology III
2 units semester 2

2196 Environmental Psychology III
2 units semester 1

7196 Intelligence III
2 units semester 2

8779 Metapsychology: Psychology, Science and Society III
2 units semester 2

2318 Mind, Brain and Evolution III
2 units semester 1

6086 Perception and Cognition III
2 units semester 1

1191 Psychology: Physiology and Behaviour III
2 units semester 2

3170 Psychological Research Methodology III
4 units full year

8659 Social Psychology III
2 units semester 1

7324 Studies in Personality III
2 units semester 2

See Psychology in the Faculty of Humanities and Social Sciences for syllabus details

7907 Public Health Law III HS
6 units semester 2
2 hours lectures/tutorials/workshops/seminars per week

A series of classes cover the major elements of public health law, the general theories about law and its development in contexts that are important for public health. There will be a detailed analysis of the law relating to the main public health areas, including disease control, environmental health, occupational health, epidemiology, public health litigation and legislation, drug and alcohol controls and health promotion.
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**1364 Public Health Nutrition IIIHS**  
6 units  
2 hours lectures/tutorials/workshops/seminars per week  
This course introduces students to central concepts and issues in public health nutrition. Some of the topics covered include the problem of "under" and "over" nutrition; the characteristics of healthy diets; the composition of foods; dietary assessment methods; biological, psychological and social influences on food consumption; food systems and policies; and nutrition promotion. This is taught via a combination of lectures, tutorials, small group projects and practical presentations.

**3519 Public Health Policy IIIHS**  
6 units  
2 hours lectures/tutorials/workshops/seminars per week  
This course aims to help students analyse the health system with skills formed by the traditions of sociology, politics and economics. It aims to develop a critical, historically informed attitude toward the acquisition of knowledge and the evaluation of evidence about health institutions and their roles. Attention is also to the broad social and political context in which health policy is formed and implemented, and to the value assumptions implicit in policy. This analytical approach is applied in case studies of current issues in public health policy.

**4966 Public Health Policy and Ageing IIIHS**  
6 units  
2 hours lectures/tutorials/workshops/seminars per week  
This course explores the implications for the health care system of the change in demography and epidemiology that has accompanied a falling birth rate and a rising life expectancy. Issues examined include the prevention of disability, care of the confused elderly, housing policies and the elderly, nursing home needs, domiciliary support services, geriatric assessment units, preparation for retirement, pensions and health, health promotion in the elderly, hospice care. Students will become familiar with a range of research and program evaluation into geriatrics and gerontology in Australia and with the various initiatives being undertaken to address the health and social needs of elderly South Australians.

**7997 Structural Cell Biology**  
3 units  
semester 2  
**prerequisite:** 6498 Human Biology II (Pass), 5764 Systematic Histology and Embryology II (Pass) or equivalent  
See Bachelor of Science in the Faculty of Science for syllabus details.
Bachelor of Medicine and Bachelor of Surgery

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 General
1.1 There shall be an Ordinary and an Honours degree of Bachelor of Medicine and Bachelor of Surgery

2 Duration of program
2.1 The program of study for the degrees of Bachelor of Medicine and Bachelor of Surgery, unless otherwise approved by the Council on the recommendation of the Faculty, shall extend over six years of full-time study.
2.2 A candidate may interrupt the program:
   (a) for the purpose of proceeding to the Honours degree of Bachelor of Medical Science or
   (b) for such period and on such conditions as may in each case be determined by the Faculty.
2.3 Students wishing to interrupt their studies in accordance with 2.2(b) above must obtain beforehand the approval of the Dean on behalf of the Faculty for leave of absence for a defined period.
2.4 A student who leaves the program without approval or who extends a leave of absence beyond the time period approved under 2.2(b) above shall be deemed to have withdrawn his or her candidature for the degrees but may reapply for admission to the program in accordance with the procedures in operation at the time.
2.5 Students who have interrupted their studies in the prescribed courses may be required to resume at such a point in the program and/or to undertake such additional or special program of study as the Dean of the Faculty deems appropriate.

3 Enrolment
3.1 Hepatitis B, HIV and medical students
   It is a condition of enrolment in the programs for the degree of Bachelor of Medicine and Bachelor of Surgery, and for all higher degrees in the Medical School involving human experimentation or patient studies, that students abide by the following policy:
   1 All new students (ie all students who have not previously been students in the Medical School) must be screened by the University Health Service to establish their antibody and antigen status in respect of Hepatitis B, or must provide evidence which satisfies the Health Service of such status. The screening must occur within four weeks of enrolment. Screening performed by the Health Service will be at no cost to the student.
   2 Where a screening test shows that a student does not have appropriate immunity against Hepatitis B, the student must either begin a vaccination program through the Health Service, or must provide evidence which satisfies the Health Service that the student has begun and duly completed such program. Immunisation provided by the Health Service will be at no cost to the student.
   3 Students may choose to be screened to establish their HIV antibody status, but this is not compulsory.
   4 Where a screening test shows that a student has a positive e-antigen status in respect of Hepatitis B, or a positive antibody status in respect of HIV/AIDS, the student must accede to counselling by a member of the medical staff of the Health Service. At all times the student’s right to confidential treatment of information about himself or herself will be respected by the Director and staff of the Health Service.
   5 The counselling will be directed at informing the student about Hepatitis B or HIV/AIDS as an illness, and having the student accept and acknowledge a duty of care, including the need to learn and use effective, safe, work practices. It will also include reference to current standards and work practices in the medical and dental professions, and their
Medical School — M.B.B.S.

academic and professional implications. As part of the counselling, students will be encouraged to consult with the Dean of their Faculty about these matters. Where appropriate, a student will be referred to an infectious diseases specialist.

6 A student who has a positive e-antigen status in respect of Hepatitis B, or a positive antibody status in respect of HIV, will not be excluded from the program in which they are enrolled.

7 The Occupational Health and Safety HIV/AIDS/Hepatitis B Policy and Procedures (see sub-section 18.4 of the Handbook of Administrative Policies and Procedures) will apply to all students who have a positive e-antigen status in respect of Hepatitis B, or a positive antibody status in respect of HIV/AIDS.

8 The University may revoke the enrolment of any student who does not comply with the screening, immunisation and counselling requirements of this policy.

4 Assessment and examinations

4.1 A candidate shall not present for the examinations unless the candidate has completed to the satisfaction of the professors and lecturers concerned, prior to the beginning of the examination, the programs of study and practice prescribed for it.

4.2 The examiners in any course may take into consideration written or practical work required of candidates during the program of study and practice and the results of other examinations in the courses.

4.3 A candidate who fails to pass in an examination shall, before presenting for the examination again, attend again such part or parts of the program of study and practice leading to that examination as the Faculty may direct.

4.4 (a) Candidates who pass in the whole of an examination prescribed in the Specific Academic Program Rules shall be awarded a non-graded pass

(b) Candidates who pass the specified courses of the First and Second Year Examinations shall be awarded a Non-graded Pass. For the elective course/s undertaken, candidates who pass will be awarded a graded or ungraded result in accordance with the grading scheme approved for the courses/s concerned.

c) as otherwise provided in the Specific Academic Program Rules (for example, see 4.4(d) below) there shall be four classifications of pass in any component course of the medicine program, as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass

d) The results of the following courses will not be classified: 5863 Introductory Medicine III; 4369 Clinical Skills V; 4376 Paediatrics V

(e) A candidate whose results in the Third Year, Fourth Year, Fifth Year and Final (Sixth Year) Examinations, in the medicine program have been adjudged by the Faculty of Medicine to have been of distinguished merit may, by the decision of the Faculty on the recommendation of the Board of Examiners in the final year of the program, be awarded the degrees of Bachelor of Medicine and Bachelor of Surgery (with Honours).

4.5 (a) The Board of Examiners may grant a candidate who has been prevented by illness or other sufficient cause from sitting for the whole or part of an examination permission to sit for a special or supplementary examination, the extent of such special or supplementary examination to be determined by the Board in each case.

(b) The Board of Examiners may grant a candidate who has failed in part only of an examination permission to sit for a supplementary examination in the course or courses in which the candidate has failed.

(c) On passing in a special or supplementary examination granted under this Specific Academic Program Rule a candidate shall be deemed to have completed the whole of the examination; but if the candidate fails in such special or supplementary examination the candidate shall take again, and pass in, the whole of the examination before proceeding with the programs of study and practice leading to the next examination.

(d) A candidate granted permission to sit for a supplementary or special examination may enter provisionally upon the programs of study and practice leading to the next examination pending publication of the result of the supplementary examination.
4.6 Attendance requirements
4.6.1 To qualify for the degrees a candidate must attend regularly such tutorials and seminar work, satisfactorily perform such laboratory, practical, clinical and written work, and pass such examinations as the Council may from time to time prescribe.

5 Qualification requirements
5.1 Program of study and examinations
5.1.1 To qualify for the degrees of Bachelor of Medicine and Bachelor of Surgery, a candidate shall complete the requirements of the six Examinations by:
(a) regularly attending lectures, tutorials, seminars, demonstrations
(b) satisfactorily participating in tutorial, practical and project work, clinical programs and attachments and
(c) satisfactorily completing the range of assessment tasks, including examinations, that are prescribed in the Syllabus for each of the courses of the Examinations as set out in 5.2.

In addition, a student is required to undertake either a period of elective study approved by the Faculty of Medicine before commencing the study and practice for the Final (Sixth Year) Examination or if so directed by the Board of Examiners for the Fifth Year Examination, a prescribed revision program of study and clinical practice, in lieu of undertaking a period of elective study, before undertaking the examination.

5.1.2 A student entering the First Year of the program shall be required to undertake an English Language Proficiency assessment. If deficiencies in the written and/or oral use of English are identified through the initial assessment or through the assessment tasks prescribed for the courses of the First Year Examination, a prescribed revision program of study and clinical practice, in lieu of undertaking a period of elective study, in a course area of the Fifth Year Examination.

5.1.3 (a) In the event that a student fails a course of an examination the Faculty’s Board of Examiners for the relevant Examination may offer supplementary or special assessment tasks, including examinations, after considering the student’s academic performance in all courses undertaken in an academic year and any evidence of a medical or compassionate nature which may be placed before it. Where supplementary examinations are offered, they will normally be undertaken during an official University Supplementary Examination period.
(b) A candidate who has been offered a supplementary or special examination on account of a failure in a course of the Fourth Year or Fifth Year Examination, shall normally be required to undertake a prescribed revision program of study and clinical practice, in lieu of undertaking a period of elective study, before undertaking the examination.
(c) A candidate who fails on Examination will be required to repeat the study and clinical practice and the assessment requirements of all courses set out for the Examinations in 5.2 below.

5.2 Courses of study
5.2.1 The following are the courses of study for the six Examinations for the degrees of Bachelor of Medicine and Bachelor of Surgery:

**1870 First Year Examination**
- 3762 Clinical Skills I 3
- 6142 Medical professional and Personal Development I 3
- 8570 Scientific Basis of Medicine I 12
- Approved elective course/s 6

**2034 Second Year Examination**
- 3249 Clinical Skills II 3
- 3253 Medical professional and Personal Development II 3
- 3241 Scientific Basis of Medicine II 12
- Approved elective course/s 6

**3980 Third Year Examination**
- 8824 Clinical Science and Skills 3
- 5762 Human Structure and Function IIIM
- 5863 Introductory Medicine IIIM
5.3 Honours

5.3.1 Bachelor of Medicine and Bachelor of Surgery (with Honours)
A candidate whose results in the third-year, fourth-year, fifth-year and final (sixth-year) examinations in the medicine course have been adjudged by the Medical School to have been of distinguished merit may, by the decision of the School on the recommendation of the Board of Examiners in the final year of the course, be awarded the degrees of Bachelor of Medicine and Bachelor of Surgery (with Honours).

5.3.2 Honours degree of Bachelor of Medical Science
A candidate may intermit the course for the degrees of Bachelor of Medicine and Bachelor of Surgery for the purpose of proceeding to the Honours degree of Bachelor of Medical Science; or for such period and on such conditions as may in each case be determined by the School.
concerned and to the Council of the University for confirmation or otherwise. These rules apply equally to medical students who use the facilities of the IMVS where the Director of the Institute has the authority given in these Rules to the Medical Director of a Teaching Hospital, and where the Council of the Institute replaces the Board of the hospital.
Syllabuses

1870  First Year Examination
2034  Second Year Examination
8570  Scientific Basis of Medicine I
3241  Scientific Basis of Medicine II

12 units full year

Through the study of clinical cases students will develop a knowledge and understanding of the basic scientific principles that underpin the practice of medicine. The Problem Based Learning Program emphasises the need for students to be able to explain the mechanisms responsible for the production of symptoms and signs of diseases and to be able to relate these to pathophysiology and related underlying scientific disciplines. Student learning in this program is supported by relevant resource sessions and a limited number of lectures.

assessment: details provided at the start of year

3762  Clinical Skills I
3249  Clinical Skills II
3 units full year

Students are introduced to the skills of medical practice. Emphasis is placed on developing the clinical interviewing skills required to elicit and record a clinical history and to perform a physical examination. In the First Year clinical skills will be gained within the Medical School’s Clinical Skills Laboratory in preparation for a full day hospital attachment in Second Year.

5762  Human Structure and Function IIIM

3 hours per week

3980  Third Year examination
8824  Clinical Science and Skills

full year

1 lecture, demonstration, tutorial a week

prerequisite: Pass in 2034 Second Year Examination

This course is intended to introduce the student to the skills of medical practice, the scientific study of the processes of disease states and the ethics of medicine. Emphasis will be placed on the acquisition of skills in clinical interviewing and communication as well as those required to elicit and record a clinical history and to perform a physical examination. Clinical data gathered at the bedside is to be interpreted in the context of a scientific understanding of the aetiology, pathophysiology and prognosis of common disease processes, aided where appropriate by information derived from elementary laboratory and other diagnostic investigations. In the study of biomedical ethics, the student will be equipped with the conceptual tools to think clearly about ethical problems and reach sound ethical judgements in a clinical context.

assessment: details provided at start of the year

6142  Medical Professional and Personal Development I
3253  Medical Professional and Personal Development II
3 units full year

Through this stream students will develop competency in communication with patients, relatives, allied health professionals, media and people in general. Alongside this students are assisted to develop strategies and skills for self care and for addressing attitudinal, ethical and professional aspects of life as a medical practitioner. Supporting skills in information technology, decision making, information management, organisational factors, workflow, patient safety, evidence based medicine, epidemiology are developed.
**5863 Introductory Medicine IIIM**

semester 2

4 hours per week

**prerequisite:** Pass in 2034 Second Year Examination

The cases for the problem based learning will be a little more complex than in previous program years and will include an increasing emphasis on patient management, which includes investigation and treatment.

**assessment:** details provided at start of the year

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**6105 Microbiology and Immunology IIIMB**

full year

Semester 1 - 2 lectures per week, practical course using basic laboratory techniques; semester 2 - 2 hours lecture/tutorials per week

**prerequisite:** Pass in 2034 Second Year Examination

Semester 1: students are introduced to the principles and practice of clinical microbiology and immunology. The pathogenesis, laboratory diagnosis, epidemiology and control of common infections are presented, and clinical immunology topics such as transplantation, immune deficiency, allergic and autoimmune diseases are discussed. Other topics include; principles of sterilisation and disinfection; epidemiology and hospital cross-infection; the use of antibiotics and chemotherapy in the treatment of infection; fungal and parasitic diseases.

Semester 2 consists of discussion, by lectures and tutorials, of the infectious diseases affecting the various systems of the body and of new and important growth units in the field of clinical microbiology and virology.

**assessment:** details provided at start of the year

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**6950 Pathology III**

full year

Semester 1: Students are introduced to the basic pathological processes which underlie disease including cell injury and necrosis, inflammation, healing, thrombosis, embolism, infarction, cellular adaptations and neoplasia. Examples of important related diseases are discussed e.g. acute appendicitis, tuberculosis and deep venous thrombosis and pulmonary embolism. Other topics covered are cardiovascular pathology including hypertension, cardiac failure, ischaemic heart disease and disorders of cardiac valves, immunological problems, smoking and alcohol related disease and diabetes.

Semester 2: Students are introduced to the pathology of important disease of the major organ systems not already covered.

Practical and tutorial classes held throughout the year complement the lecture programme and provide instruction in the macroscopic and microscopic assessment of disease processes, with an emphasis on clinico-pathological correlation.

**assessment:** details provided at start of the year

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**1494 Pharmacology IIIMB**

full year

48 lectures, 16 hours tutorials, 16 hours demonstration workshops, 20 hours self-directed learning

**prerequisite:** Pass in 2034 Second Year Examination

The course covers the principles of pharmacology, pharmacokinetics, drug-receptor interactions, toxicology, drug development, adverse drug reactions, factors causing variability in drug response, substance abuse; mechanisms underlying the various transmitter and local hormone systems and the drugs and drug classes acting through these mechanisms. The course philosophy emphasises self-directed learning and is problem based.

**assessment:** details provided at start of the year

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**9726 Social and Preventive Medicine III**

semester 2

3 hours a week

**prerequisite:** Pass in 2034 Second Year Examination

This course involves 3 or 4 elective topics, one of which is to be chosen. The electives build on analytical approaches introduced in 6992 Doctor, Patient and Society IIIM. Electives may involve particular course areas within social and preventive medicine, or analytical approaches using epidemiological or social science methods.

**assessment:** details provided at start of the year
The twelve week full-time program is designed to integrate the medical sciences with clinical medicine. It involves study and clinical experience in Orthopaedics, Musculoskeletal Disorders, Trauma, Geriatric Medicine, General Practice, Oncology, Anaesthetics. Students principally will be based at the Royal Adelaide Hospital or the Queen Elizabeth Hospital but some clinical experience will also be gained at the other locations in metropolitan Adelaide. Considerable emphasis is placed on the need to understand the scientific basis of clinical conditions and the rational approach to clinical tests and therapeutics. To support this, clinico-pathological conferences, computer-aided learning and pathology tutorials and mortuary demonstrations are scheduled throughout the year.

**8508 Fourth Year examination**

**1113 Clinical Science IV**

The twelve week full-time program is designed to integrate the medical sciences with clinical medicine. It involves study and clinical experience in Orthopaedics, Musculoskeletal Disorders, Trauma, Geriatric Medicine, General Practice, Oncology, Anaesthetics. Students principally will be based at the Royal Adelaide Hospital or the Queen Elizabeth Hospital but some clinical experience will also be gained at the other locations in metropolitan Adelaide. Considerable emphasis is placed on the need to understand the scientific basis of clinical conditions and the rational approach to clinical tests and therapeutics. To support this, clinico-pathological conferences, computer-aided learning and pathology tutorials and mortuary demonstrations are scheduled throughout the year.

**3192 Fifth Year Examination**

**9691 Clinical Science V**

This course is designed to continue and expand the Clinical Science program stated in the fourth year. It will ensure an adequate understanding of the clinical sciences and their integration with clinical medicine. Microbiology, pathology and pharmacology are key parts of this program. The course involves student participation in the integrated problem-based learning programs Clinical Science 2 and Clinical Science 3, run throughout the year at The Royal Adelaide Hospital and The Queen Elizabeth Hospital.

**8475 Psychiatry IV**

In the fourth year students are assigned to psychiatric units in general hospitals for clinical clerking, the detailed study of patients and families and an overview of the field of general psychiatry.

**4369 Clinical Skills V**

This course is designed to continue development of a student's clinical skills and experience. It involves undertaking clinical attachments in Medical units at the Royal Adelaide, Modbury, Queen Elizabeth and the Lyell McEwin Hospitals.

**7240 Obstetrics and Gynaecology V**

Students are rostered to The Queen Elizabeth Hospital, the Women's and Children's Hospital, the Royal Adelaide Hospital, the Lyell McEwin Health Service or the Modbury Public Hospital for one clinical term. During this time students undertake
clinical attachments in general obstetrics and gynaecology and are rostered to attend special clinics in family planning, coloscopy, infertility and human sexuality. Students reside in hospital for six weeks and some students may be offered attachments in rural centres for 4 weeks.

Formal teaching is carried out in problem based learning sessions of 3 hours duration, each week. The courses covered are fetal growth and development, antenatal and postnatal problems, the management of the normal neonate and selected neonatal disorders, high risk obstetrics and perinatology, reproductive endocrinology, infertility, malignancy, pelvic infections, family planning, applied pharmacology and problems of the peripubertal and perimenopausal years, human sexuality and sexually transmitted diseases.

**assessment**: details provided at start of clinical year

### 4376 Paediatrics V

**full year**

Six week period at Women's and Children's Hospital

The course will include normal childhood growth and development, the child in the family and in the community, preventative health strategies, the child with disability, common minor disorders of childhood, and child and family psychiatry.

Instruction will be by student-led problem solving, supervised tutorials, visits to child health and educational facilities, and clinical experience in the recognition and management of variations and disorders of health in childhood. Neonatology is taught as part of 7240 Obstetrics and Gynaecology V.

**assessment**: details provided at start of clinical year

### 1106 Final (Sixth Year) examination

The Final Year of the program for the MBBS involves:

a) A two week program in ENT, Ophthalmology and Dermatology at the beginning of the year.

b) A 16 week student intern ward placement under the supervision of the University Departments of Medicine, Paediatrics and Surgery and their clinical teachers at the Royal Adelaide Hospital, North West Adelaide Health Service (The Queen Elizabeth and Lyell McEwin Hospitals), Women's and Children's Hospital and Modbury Hospital. Although the emphasis is on application of clinical science to medical practice there is a twelve week seminar program on Friday afternoons.

c) Undertaking 4 four-week Specialist/Community or Ambulatory Placement (SCAPs) in the general areas of Medicine, Surgery, Primary Care and Psychiatry. Students have to complete a SCAP in each of these areas and they have considerable choice in defining their program. For Australian students at least one SCAP must be in a rural setting with this being optional for international students.

Through this program students will obtain results for the following component courses of 1106 Final (Sixth Year) Examination:

- 9950 Applied Pathology VI
- 4686 Clinical Competence VI
- 8958 General Practice VI
- 4008 Medicine VI
- 6460 Paediatrics VI
- 4364 Psychiatry VI
- 4857 Surgery VI

**assessment**: details provided at start of clinical year
Medical School — B.Med.Sc.

Bachelor of Medical Science

The above award has been developed within the framework of the General Academic Program Rules printed at the beginning of this volume of the Handbook. As all students must comply with both the General and Specific Academic Program rules, they are advised to refer to them to gain an understanding of their rights and responsibilities regarding program matters.

Specific Academic Program Rules

1 General
1.1 There shall be an Honours degree of Bachelor of Medical Science.

2 Duration of program and qualification requirements
2.1 To qualify for the degree a candidate shall undertake a program of advanced study extending over one academic year, and shall satisfy the examiners in one of the courses prescribed in the Specific Academic Program Rules.

3 Admission requirements
3.1 Before admission to a program of study for the degree a candidate shall have:
(a) passed the Third-Year Examination for the degrees of Bachelor of Medicine and Bachelor of Surgery;
(b) been accepted by the head of the department concerned as a suitable candidate for advanced work in the course he/she wishes to pursue and
(c) completed such prerequisite work as the head of the department concerned may prescribe.

3.2 On the recommendation of the Faculty of Medicine, the Council may accept as a candidate for the degree a person who in a medical program of another institution has passed examinations regarded as equivalent to that specified in 3.1(a).

4 Assessment and examinations
4.1 The examination for the degree will consist of a written paper or papers, the essays submitted during the year, the thesis on the research project, an oral examination, and a practical examination if required by the examiners.

4.2 There shall be three classifications of Pass in the final assessment of any course for the Honours degree as follows: First Class, Second Class, Third Class. The Second Class classification shall be divided into two divisions as follows: Division A and Division B.

4.3 A candidate shall not be eligible to present himself/herself for examination unless he/she has regularly attended the prescribed lectures and has done written and laboratory or other practical work, where required, to the satisfaction of the professors and lecturers concerned.

5 Program of study
5.1 A program of study for the degree may be undertaken in one of the following:
- 8110 Honours Anaesthesia and Intensive Care
- 1739 Honours Anatomical Sciences
- 6777 Honours Biochemistry
- 9563 Honours General Practice
- 5349 Honours Medicine
- 4408 Honours Microbiology and Immunology
- 9864 Honours Obstetrics and Gynaecology
- 3500 Honours Orthopaedics and Trauma
- 5702 Honours Paediatrics
- 1651 Honours Pathology
- 3950 Honours Pharmacology
- 6740 Honours Physiology
- 9186 Honours Psychiatry
- 9807 Honours Public Health
- 7274 Honours Surgery

5.2 The program comprises three equally important aspects undertaken concurrently:
(a) Program of Reading in selected fields, and the submission of a series of essays associated therewith.
(b) Experimental work covering a wide range of techniques.
(c) The undertaking of a research project which will be assigned early in the program and on which a thesis must be submitted.
### Syllabuses

The Honours degree of Bachelor of Medical Science

- 8110 Honours Anaesthesia and Intensive Care
- 1739 Honours Anatomical Sciences
- 6777 Honours Biochemistry
- 9563 Honours General Practice
- 5349 Honours Medicine
- 4408 Honours Microbiology and Immunology
- 8864 Honours Obstetrics and Gynaecology
- 3500 Honours Orthopaedics and Trauma
- 5702 Honours Paediatrics
- 1551 Honours Pathology
- 3950 Honours Pharmacology
- 6740 Honours Physiology
- 9196 Honours Psychiatry
- 9807 Honours Public Health
- 7274 Honours Surgery

Students requiring further information concerning syllabuses and work required for the Honours degree of Bachelor of Medical Science are advised to consult the Head of the appropriate department as early as possible.