Dental School
Website: http://www.dentistry.adelaide.edu.au

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Dental School — Awards and Rules

Undergraduate awards in the Dental School

Diploma in Dental Therapy
Ordinary degree of Bachelor of Dental Surgery
Honours degree of Bachelor of Science in Dentistry

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 and the Principal of the School of Dental Therapy 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>
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Diploma in Dental Therapy

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 a Diploma in Dental Therapy.

2 Duration of the program
The program of study for the Diploma in Dental Therapy shall extend over two years of full–time study.

3 Admission
3.1 Admission requirements
3.1.1 Applicants shall, unless exempted by the Dental School, have satisfied the University’s admission requirements under the South Australian Certificate of Education or the equivalent.

3.1.2 Applicants shall, in addition to meeting the admission requirements in 3.1.1 above, satisfactorily participate in a Dental Therapy selection test and interview conducted by the Program Selection Committee appointed by Dental School.

3.1.3 The Dental School may accept as a candidate for the program an applicant who does not satisfy the requirements for admission under 3.1.1 above but who satisfies the Program Selection Committee of fitness to undertake work for the Diploma.

3.2 Status and exemption
3.2.1 No candidate may be granted more than 24 units of status toward the Diploma for other studies undertaken in the University or other institution.

3.2.2 A candidate who has previously passed courses or whose employment has included appropriate clinical experience may, on written application to the Dean, be exempted from part of the requirements of a course.

4 Enrolment
4.1 Approval of enrolment
The following students must have their program of study approved by the Dean or nominee at the time of enrolment in the year concerned:

(a) students who have been granted or are seeking status or exemption from these Rules under section 1.4.20 of the General Academic Program Rules
(b) students who are repeating a course or courses; such students may be required to resume at a point in the program and/or undertake such additional or special program of study as the Dean of Dental School deems appropriate
(c) students who have obtained permission from the Dental School to intermit their program for reasons approved in each case.

5 Assessment and examinations
5.1 There shall be four classifications of pass in the final assessment of any course for the Ordinary degree, as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass. The Pass result in the Annual Therapy Examinations shall be Non-Graded.

5.2 In determining a candidate's final result in a course (or part of a course) the examiners may take into account oral, written, clinical, practical and examination work.

5.3 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the academic staff concerned.

5.4 A candidate who fails a course shall, unless exempted wholly or partially therefrom by the Dean of the Dental School, again complete the required work in that course to the satisfaction of the teaching staff concerned. Such a candidate may be required to attend concurrently such lectures, clinical practice, laboratory and other practical work as the Dental School may prescribe, in other course(s) of an annual examination.

5.5 A candidate who has twice failed the examination in any course for the Diploma may not enrol for that course again except by special permission of the Dental School and then only under such conditions as Dental School may prescribe.
6 Qualification requirements

6.1 General
A candidate shall satisfactorily complete each annual examination before entering upon the work of the following year’s program of study provided that:
(a) A candidate shall enrol in all clinical streams of the year undertaken and shall enrol in any other courses that the Dental School mandates. Except by permission of the Dental School the candidate may not enrol concurrently for any additional courses from the following year.
(b) A candidate may begin the first semester’s work in the following year’s program of study pending the result of any supplementary examination for which the candidate has been permitted to present.
(c) A supplementary examination shall not be awarded on academic grounds if the student has achieved an aggregate score of less than 36%.
(d) The annual examination at the end of the second year shall be known as the Final Examination. In exceptional circumstances a candidate’s results in the Final Examination may be withheld if the candidate’s performance in the required clinical work is considered unsatisfactory by the Board of Examiners. In such a case, the candidate will be required to complete satisfactorily such additional work as the Dean of the Dental School may recommend to the Board of Examiners.

5.2 Program of study
To qualify for the Diploma a candidate shall regularly attend lectures, tutorials and clinical practice, do written and laboratory or other practical work to the satisfaction of the Principal of the Dental School and pass the prescribed examinations.

The following are the courses of study for the First Annual Therapy Examination:
- 2895 Dental Sciences IT
- 3284 Clinical Dentistry IT
- 1352 Applied Clinical Practice IT
- 4399 Social and Preventive Dentistry IT
- 3896 First Annual Therapy Examination

The following are the courses of study for the Second Annual Therapy Examination:
- 8442 Dental Sciences IIT
- 7964 Clinical Dentistry IIT
- 3005 Applied Clinical Practice IIT
- 7228 Social and Preventive Dentistry IIT
- 9209 Second Annual Therapy Examination
Syllabuses

proficiency in English

Note: experience has shown that students who do not have a good ability to communicate in spoken and written English have difficulties with this academic program. For the following syllabus items, proficiency in English is assumed.

First Year

1352  Applied Clinical Practice IT

12 units  full year
63 lecture hours, 423 practical hours

corequisite: 3284  Clinical Dentistry IT

Applied Clinical Practice contains two components: Clinical Practice I and Operative Techniques, and provides the opportunity to integrate theoretical practice and practical skills with a rationale and philosophy for effective contemporary dental practice.

assessment: Clinical Practice (about 25%) - written and practical assignments, semester viva voce exams, Operative Techniques (about 75%) - summation of a continuing assessment of practical work throughout the year. Students must pass all components to pass the course.


3284  Clinical Dentistry IT

6 units  full year
202 lecture hours, 5 tutorial hours, 84 practical hours

Clinical Dentistry IT contains three components: Dental Anatomy, Operative Dentistry and Dental Radiography and provides the theory and background information essential to the development of knowledge, practices and attitudes which enable effective practice of restorative dentistry for children and adolescents.

assessment: assignments, semester exams, radiography practical. Assessment reflects likely contribution of each component to course: Dental Anatomy 10%, Dental Radiography 30%, Operative Dentistry 60%. Students must pass all components to pass the course.


2895  Dental Sciences IT

3 units  full year
102 lecture hours, 58 tutorial hours

Dental Sciences contains components of Histology, Anatomy and Physiology, General and Oral Pathology and Microbiology, and provides the biological grounding upon which the practice of dentistry rests. It is an introduction to the anatomy and physiology of the human body and in particular the teeth and oro-facial regions, and involves the study of diseases of the teeth and their supporting tissues.

assessment: assignments, semester exams - assessment reflects likely contribution to course: Histology 20%, Anatomy and Physiology 40%, General and Oral Pathology and Microbiology 40%. Students must pass all components to pass the course.


4399  Social and Preventive Dentistry IT

3 units  full year
111 lecture hours, 25 seminar hours, 32 practical hours

Social and Preventive Dentistry contains the components of community health and awareness; dental disease; prevention of dental disease; and dental health education: theory and practice. This course provides an introduction to the complex interrelationships of attitudes, behaviours and requirements which impact on the health professional, client and the community in the maintenance of general and dental health. The types and aetiologies of dental disease are introduced in this course with a strong focus on the methods of prevention and control of these diseases. Dental Health Education: Theory and Practice is designed to develop knowledge and skills in the practice of teaching.

assessment: assignments, semester exams - assessment reflects likely contribution of each component to course: Social Health and Oral Health Promotion 30%, Dental Diseases 35%, Dental Health Education: Theory and Practice 15%. Students must pass all components to pass the course.

prescribed texts: Harris, NO and Christen, AF (1995) Primary Preventive Dentistry 4th edn, Appleton and Lange
Second Year

3005 Applied Clinical Practice IIT
12 units full year
60 lecture hours, 12 tutorial hours, 60 practical hours, 651 clinical hours
prerequisite: 1352 Applied Clinical Practice IT and 3284 Clinical Dentistry IT

Applied Clinical Practice IIT contains components of Applied Clinical Practice IIT (theory), Clinical Radiology and Applied Clinical Practice IIT (practical). It provides formalisation of knowledge and skills gained in Applied Clinical Practice IT, incorporates clinical statistics and field experience, and makes provision for students to align this knowledge and skill within the policies of the SA Dental Service.

assessment: assignments, tutorials, patient presentations; continuous clinical assessment. Assessment reflects the likely contribution of each component to course: Applied Clinical Practice IIT (theory) 20%, Clinical Radiology 10%, Applied Clinical Practice IIT (practical) 70%. Students must pass all components to pass the course.

8442 Dental Sciences IIT
3 units full year
82 lecture hours, 20 tutorial hours, 4 practical hours
prerequisite: 2895 Dental Sciences IT

Dental Sciences IIT contains components of Applied Oral Pathology, Medicine and Pharmacology and Applied Oral Anatomy, and instructs students in aspects of diagnosis and management of pathological conditions, medicine, pharmacology and anatomy which relate to the delivery of dental care.

assessment: tests, case presentations, exams - likely contribution of components: Applied Oral Pathology 35%, Applied Oral Anatomy 5%, Medicine and Pharmacology 60%. Students must pass all components to pass the course.

7964 Clinical Dentistry IIT
3 units full year
110 lecture hours, 9 practical hours, 15 tutorial/seminar hours
prerequisite: 3284 Clinical Dentistry IT and 1352 Applied Clinical Practice IT

Clinical Dentistry IIT contains components Clinical Dentistry (Theory), Orthodontics and Periodontology and develops and applies the principles of restorative dentistry, periodontal disease and orthodontics gained in Clinical Dentistry IT.

assessment: assignments, case presentations, exams - assessment reflects likely contribution of each component to course: Clinical Dentistry (Theory) 40%, Orthodontics 30%, Periodontology 30%. Students must pass all components to pass the course.

7228 Social and Preventive Dentistry IIT
6 units full year
94 lecture hours, 25 tutorial hours, 15 seminar hours
prerequisite: 4399 Social and Preventive Dentistry IT

Social and Preventive Dentistry contains the components of Developmental Psychology, Communication, Sociology of Health, Epidemiology and Biostatistics and Dental Public Health. The courses focus on specific areas which are designed to promote personal and professional awareness and development, complementing and enhancing clinical experience and future professional dental therapy practice. Students are introduced to health analysis and assessment, concentrating on dental health principles and policies. The social and behavioural sciences components have been designed to develop awareness and understanding of the knowledge associated with the various psychological and sociological influences implicated in human behaviour. Emphasis is placed on the provision of care in an interpersonal setting and on the requirement for developing effective interpersonal skills.

assessment: assignments, semester exams - assessment reflects likely contribution of each component to course: Developmental Psychology 20%, Communication 10%, Sociology of Health 20%, Dental Public Health 25%, Epidemiology and Biostatistics 15%, viva voce examination 10%. Students must pass all components to pass the course.

Bachelor of Dental 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 degree of Bachelor of Dental Surgery.

2 Duration of program
The program of study for the degree of Bachelor of Dental Surgery, unless otherwise approved by the Council on the recommendation of the School, shall extend over five years of full-time study.

A candidate may interrupt his or her studies for the program:
(a) for the purpose of proceeding to the Honours degree of Bachelor of Science in Dentistry or
(b) for such period and on such conditions as may in each case be determined by the School.

Students wishing to interrupt their studies must apply for permission and obtain beforehand the approval of the Dean or nominee at the time of enrolment in the year concerned:

(a) students who have been granted or are seeking status or exemption from these Rules under section 1.4.20 of the General Academic Program Rules
(b) students who are repeating a stream or streams; such students may be required to resume at a point in the program and/or undertake such additional or special program of study as the Dean of School deems appropriate
(c) students who have obtained permission from the School to interrupt their program, either to proceed to the Honours degree of Bachelor of Science in Dentistry, or for other reasons approved in each case.

3 Enrolment
3.1 Approval of enrolment
The following students must have their programs approved by the Dean or nominee at the time of enrolment in the year concerned:

1 All new students (ie all students who have not previously been students in the Dental 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. 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.
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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 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.

Note: Program Rule 8 is currently under review.

4 Assessment and examinations

4.1 A candidate shall not be eligible to attend for examination unless the prescribed work has been completed to the satisfaction of the academic staff concerned.

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

4.3 There shall be four classifications of pass in the final assessment of any stream for the Ordinary degree, as follows: Pass with High Distinction, Pass with Distinction, Pass with Credit, Pass.

4.4 (a) A candidate who fails a stream shall, unless exempted wholly or partially therefrom by the Head of the School concerned, again complete the required work in that stream to the satisfaction of the teaching staff concerned. Such a candidate may be required to attend concurrently such lectures, clinical practice, laboratory and other practical work as the School may prescribe, in other streams of annual examination.

(b) Except in the case of the First Annual Examination, a candidate who is exempted from part of any stream shall not be granted a classified pass in that stream.

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

5 Qualification requirements

5.1 Lectures, practical work, clinical instruction

The program for the degree of Bachelor of Dental Surgery shall extend over five years. To qualify for the degree a candidate shall regularly attend lectures, tutorials and clinical practice, do written and laboratory or other practical work to the satisfaction of the academic staff concerned, and pass the prescribed examinations. Students shall attend at clinics of the South Australian Dental Service and other teaching hospitals and health centres as required for their clinical instruction.
5.2 Curriculum

First Year:
During the first year every student shall attend programs of instruction in: (a) Human Biology, (b) General Studies, (c) Dental and Health Science, (d) Dental Clinical Practice.

Second Year:
During the second year every student shall attend programs of instruction in: (a) Structure and Function of the Body, (b) General Studies, (c) Dental and Health Science, (d) Dental Clinical Practice.

Third Year:
During the third year every student shall attend programs of instruction in: (a) Diseases and Disorders of the Body, (b) Dental and Health Science, (c) Dental Clinical Practice.

Fourth Year:
During the fourth year every student shall attend programs of instruction in: (a) Selectives, (b) Dental and Health Science, (c) Dental Clinical Practice.

Fifth Year:
During the fifth year every student shall attend programs of instruction in: (a) Selectives, (b) Dental and Health Science, (c) Dental Clinical Practice.

5.3 Rules for the admission of dental students to the practice of the South Australian Dental Service and other teaching hospitals and health centres

5.3.1 Each dental student of Adelaide University shall attend clinics of the South Australian Dental Service, or other teaching hospitals or health centres, as directed by the Dean of the Dental School; and each student shall be admitted to the practice of the South Australian Dental Service or other teaching hospitals or health centres under the disciplinary control of the Chief Executive Officer, in the case of the former, or the Medical Superintendent or Director, in the case of the latter, whilst in attendance.

5.3.2 No student may introduce visitors into any of the said clinics, hospitals or health centres without permission of the above designated officers.

5.3.3 Students shall conduct themselves with propriety and discharge the duties assigned, and pay for or replace any article damaged, lost or destroyed by them together; and make good any loss sustained by their negligence.

5.3.4 Each student shall at all times be under the direction and supervision of a duly appointed member of the teaching staff of Adelaide University, or a person who has been granted appropriate University status, and shall carry out such work as shall be allotted.

5.3.5 No student shall administer treatment to any patient without the approval of an appointed teacher.

5.3.6 Except in the performance of the associated clinical duties, no student may disclose any information whatsoever concerning a patient without the permission of both the patient and the Senior Dental or Medical Officer in charge.

5.3.7 No student shall publish a report on any case without the written permission of the Chief Executive Officer in the case of the South Australian Dental Service, or the Medical Superintendent or Director in the case of teaching hospitals or health centres, and the Senior Dental or Medical Officer under whose care the patient is or has been.

5.3.8 No student shall communicate directly to the press, radio or television any matter concerning the clinical practice of the institution to which that student is attached.

5.3.9 Students shall pay such fees as are laid down by the South Australian Dental Service in consultation with the Dean of the Dental School; no student shall be admitted to clinics until such fees are paid.

5.3.10 Misconduct or infringement of any of these rules, may lead to temporary suspension by the Chief Executive Officer, South Australian Dental Service, or the Medical Superintendent or Director, other teaching hospitals or health centres. In the case of such temporary suspension, written notice shall immediately be given to the Dean of the Dental School.

5.4 Courses of study

5.4.1 Curriculum

5.4.1.1 5770 First Annual Examination
At the First Annual Examination the candidate shall satisfy the examiners in each of the following streams:
7713 Dental and Health Science I
2839 Dental Clinical Practice I
8471 General Studies ID
6700 Human Biology ID
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5.4.1.2 6626 Second Annual Examination
At the Second Annual Examination the candidate shall satisfy the examiners in each of the following streams:
- 1145 Dental and Health Science II
- 1421 Dental Clinical Practice II
- 5453 General Studies IID
- 3567 Structure and Function of the Body IID

5.4.1.3 9494 Third Annual Examination
At the Third Annual Examination the candidate shall satisfy the examiners in each of the following streams:
- 7413 Dental and Health Science III
- 4450 Dental Clinical Practice III
- 9310 Diseases and Disorders of the Body IID

5.4.1.4 9097 Fourth Annual Examination
At the Fourth Annual Examination the candidate shall satisfy the examiners in each of the following streams:
- 1448 Dental and Health Science IV
- 4978 Dental Clinical Practice IV
- 7571 Dental Selectives IV

5.4.1.5 6753 Fifth Annual (Final) Examination
At the Fifth Annual Examination the candidate shall satisfy the examiners in each of the following streams:
- 9983 Dental and Health Science V
- 7137 Dental Clinical Practice V
- 5181 Dental Selectives V

5.5 General
A candidate shall complete each annual examination before entering upon the work of the following year’s program of study provided that:
(a) A candidate shall enrol in all clinical streams of the year undertaken and shall enrol in any other streams that the School mandates. Except by permission of School the candidate may not enrol concurrently for any additional streams from the following year.
(b) A candidate may begin the first semester’s work in the following year’s program of study pending the result of any supplementary examination for which the candidate has been permitted to present.
(c) A candidate shall not be re-examined at a supplementary examination in any stream previously passed at the annual examination. A supplementary examination shall not be awarded on academic grounds in any stream where the student obtained an aggregate score of 35% or less.
(d) The annual examination at the end of the fifth year shall be known as the Final Examination. In exceptional circumstances a candidate’s results in the Final Examination may be withheld if the candidate’s performance in the required clinical work is considered unsatisfactory by the Board of Examiners. In such a case, the candidate will be required to complete satisfactorily such additional work as the Dean of the School may recommend to the Board of Examiners.
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Syllabuses

proficiency in English

Note: experience has shown that students who do not have a good ability to communicate in spoken and written English and do not have a background in Year 12 PES Physics and Chemistry will have difficulties with the program. Proficiency in English and a background knowledge of Year 12 PES Physics and Chemistry are assumed.

5770 First Annual Examination

7713 Dental and Health Science I

7 units full year
7 hours per week, including class meetings, learning laboratories and tutorials
corequisite: 2839 Dental Clinical Practice I

This stream aims to introduce students to the oral cavity and practice of dentistry and provide a foundation for understanding the normal structure and function of the oral cavity, patient management and dentistry as a career. Problem-based learning allows students to develop clinical reasoning skills by investigating problems affecting various patients. In particular, the stream emphasises the scientific basis of dentistry; introduces new developments and outlines important ethical issues in the health professions; describes the normal appearance of oral soft tissues, the morphology and development of the teeth and main features of the masticatory system as a basis for the study of oral health and disease; discusses the nature, aetiology and prevention of common dental diseases at both the individual and community level; introduces students to behavioural sciences and psychology applied to dentistry; provides exposure to career roles and begins an examination of contexts in which dentists work.

Topics include: oral surface features; morphology of the teeth; tooth emergence and calcification; introduction to dental occlusion, radiographic anatomy; culture, health and disease; nature and distribution of dental diseases; preventive dentistry; fear and anxiety in dentistry; management and motivation of dental patients; dentist-patient communication; behavioural consequences of oral diseases; community dental health issues: dental education and the shaping of the professional; the professional environment; the dentist's role - past and present; career pathways; adaptation to change and the possible future for dentistry.

assessment: assignments, short tests, trial test, practical exercises, short answer problem based exam, interview


2839 Dental Clinical Practice I

7 units full year
7 hours per week including clinical, practical sessions
corequisite: 7713 Dental and Health Science I

This stream aims to give students a broad understanding of dentistry at clinical ancillary, technical and office management levels. Skills will be developed in various technical and clinical areas.

Topics include: clinical examinations; records and recording; operative hazards; instruments, sterilisation and maintenance; infection and moisture control; dental impressions; mouthguards; dental radiology; diagnostic procedures; preventive dentistry: fluorides sealants, diet and plaque control; manipulation and assessment of commonly used dental materials; introduction to periodontics; prophylaxis and simple scaling; minimal intervention dentistry.

assessment: assignments, clinical and laboratory assessment, workbooks and exam each semester.

More details will be given in the Clinical Practice Workbook

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8471 General Studies ID
3 units full year
3 hours per week
corequisite: 7713 Dental and Health Science I

This stream includes units that will be made available to students during first and second years. Aspects of basic physics: the basic physics forming the prerequisite knowledge for the major streams in the BDS program; includes X-rays. Aspects of basic chemistry: the aspects of basic chemistry forming the prerequisite knowledge for the major streams in the BDS program. Biostatistics: provides students with an appreciation of the nature and scope of statistics applied to biological problems (biostatistics) as well as a working knowledge of basic statistics, including introduction, interpretation and analysis of data. Computing: provides students with a basic understanding of computers and computing with particular reference to the needs of dental students and dentists. Communication and learning: introduces students to the educational philosophy and various study skills of the BDS program and emphasises the needs to be proficient in communication. Research methodology: gives students an appreciation of research methodology and to develop the skills needed to access and critically review scientific literature effectively. Social context of dentistry: aims to provide an understanding of the diversity of the Australian community and how that diversity influences the process of dental care and oral health outcomes.

assessment: advised at the beginning of the stream. Students must demonstrate proficiency in each unit. An assessment of English communication proficiency is included.

prescribed texts: to be advised

6700 Human Biology ID
7 units full year
7 hours per week, including class meetings, laboratory sessions, research-based practical sessions, tutorials

This stream aims to provide an overview of the biology of the human species, including an evolutionary perspective of the vertebrate, especially the human, masticatory system, to provide students with a basic knowledge of classical and molecular genetics and to indicate where this knowledge is applicable to dentistry, to provide an introduction to cell biology and to the structure of the human body at the gross and microscopic levels, and to provide an integrated coverage of the structure and function of selected body systems.

Topics include: human evolution including evolution of head form, human adaptability, essentials of body chemistry, cell structure and function, tissue histology, heredity and variation, genes and chromosomes, linkage; molecular organisation of chromosomes, genetic structure and variation of human populations, genetic engineering, structure and function of the skeletal and neuromuscular systems, skin and sense organs.

assessment: advised at the beginning of the stream - includes tutorial and laboratory exercises, written exams

prescribed texts:
- Tetora GJ & Grabowski SR Principles of Anatomy and Physiology 8th edn (Harper and Row) or Martini Fundamentals of Anatomy and Physiology 3rd edn (Prentice Hall);
- Ross MH Romrell LJ & Kaye GI (1995) Histology: A Text and Atlas, 3rd edn (Williams & Wilkins);
- Sherwood LS Human Physiology: From Cells to Systems (West);
- Hartl DL Basic Genetics, Jones and Bartlett

6626 Second Annual Examination

1145 Dental and Health Science II
7 units full year
7 hours per week including class meetings, learning laboratories, tutorials

prerequisite: 7713 Dental and Health Science I
corequisite: 1421 Dental Clinical Practice II

This stream aims to provide students with a detailed understanding of the embryology and histology of the dento-facial structures; to provide a basic understanding of the biochemistry of the human body with particular reference to the oral cavity; to develop an appreciation of the scientific aspects of clinical dentistry including functioning of the masticatory system and the importance of occlusion in all branches of dentistry; to develop further appreciation of behavioural science in dentistry.

Topics include: embryology of face; ontogeny including cranial and dento formation; histology of the oral tissues; dental caries; the structural basis of biochemistry; principles of nutrition; molecular organisation - including bioenergetics and the principles of metabolism; the integration and control of metabolism; the integration and control of biochemistry of soft tissues - including blood, epithelium and connective tissue; the biochemistry
of calcified tissues - bone, dentine, cementum and enamel; the oral environment - including saliva, gingival crevicular fluid and dental plaque; development of occlusion; occlusal variation; orofacial sensation; masticatory function; aspects of behavioural science. A number of problem-based dental learning packages are provided in this stream to give a context to student learning.

assessment: tests, written exam, performance in tutorials and learning laboratories, project

prescribed texts: Ten Cate AR Oral Histology (Mosby); Cole AS & Eastoe JE Biochemistry and Oral Biology (Wright); Champe and Harvey, Lippincott's Illustrated Reviews Biochemistry 2nd Ed., JB Lippincott Co 1994; Elliott and Elliott, Biochemistry and Molecular Biology (Oxford University Press), 1997

1421 Dental Clinical Practice II

7 units full year
12 hours per week including clinical, practical, resource sessions

prerequisite: 2839 Dental Clinical Practice I

corequisite: 1148 Dental and Health Science II

This course builds upon 2839 Dental Clinical Practice I with regard to the acquisition and consolidation of dental clinical skills. Experience will be gained in patient management emphasising communication and behaviour management, clinical examination procedures and diagnostic methods before working with selected patients of the SA Dental Service.

Topics include: clinical assessment and recording of dental health data; diagnosis; introductory treatment planning; obtaining intra-oral radiographs; preventative regimes; basic restorative dentistry; properties of commonly used dental materials; introduction to management of emergencies; introduction to gingival and periodontal conditions, introduction to local anaesthesia.

assessment: practical (lab and clinic); academic (assignments and exams). Details given in the Dental Clinical Practice Manual


5453 General Studies IID

3 units full year
3 hours per week

prerequisite: 8471 General Studies ID

As for 8471 General Studies ID. The units in this stream are available to students during both the first and second years of the program.

assessment: to be advised

prescribed texts: to be advised

3567 Structure and Function of the Body IID

7 units full year
7 hours per week, including class meetings, laboratory sessions, research-based practical sessions, tutorials

prerequisite: 6700 Human Biology ID

This stream aims to provide: an integrated coverage of the structure and function of selected body systems; a detailed description of the gross topographical anatomy of the head and neck emphasising aspects of functional and clinical importance; a description of the anatomy of the central nervous system. A number of problem-based scenarios are provided in this stream to give a context to student learning.

Topics include: structure and function of the alimentary, cardiovascular, respiratory, lymphoid, endocrine and renal systems; detailed osteology of the skull; applied anatomy of face and scalp, infratemporal region, temporomandibular joints, pterygopalatine fossa, submandibular region, pharynx, larynx, cranial nerves; central nervous system; sensory and motor pathways; autonomic nervous system; blood supply of the brain; anatomy related to local anaesthesia in dentistry.

assessment: advised at the beginning of the stream - includes written exams, case scenarios, problem-based learning, tutorial and laboratory exercises

prescribed texts: Sherwood L Human Physiology: From Cells to Systems (West); Ross MH et al (1995) Histology: a Text and Atlas 3rd edn (Williams & Wilkins); Snell RJ Clinical Neuroanatomy for Medical Students 3rd edn (Little Braun & Co); Johnson DR & Moore WJ Anatomy for Dental Students 2nd edn (OUP)
Dental School — B.D.S.

9494 Third Annual Examination
7413 Dental and Health Science III
6 units full year
7 hours per week (approx)
prerequisite: 1145 Dental and Health Science II
corequisite: 4450 Dental Clinical Practice III
This stream aims to describe the normal functioning of the masticatory system, the importance of occlusion and the characteristics of an optimal occlusion, describe the morphological and functional changes that occur in the masticatory system as a result of normal growth and ageing, and the adaptability of the system to these changes; emphasise the importance of occlusion in all branches of dentistry and consider the methods available for diagnosis and treatment of disorders of the masticatory system; consider the causes and effects of disease and stress on the masticatory system; describe human growth and development with particular emphasis on aspects relevant to dentistry; provide an introduction to aspects of orthodontic examination diagnosis and treatment. A number of problem-based dental learning packages are provided in this stream to give a context to student learning.
Topics include: orofacial sensation, jaw muscles and receptors; jaw reflexes, mastication and swallowing, temporomandibular joint function and loading, parafuction, occlusal therapy, concepts of physical growth and development, methods for studying growth, factors affecting growth, development of the skull, factors affecting normal dento-facial growth, indices of maturation, facial aesthetics, normal changes in dental arch form, aetiology of orthodontic problems.
assessment: short tests, general review, practical exercises, problem-based written examination

4450 Dental Clinical Practice III
12 units full year
14 hours per week, including class meetings, laboratory sessions and clinic sessions
prerequisite: 1421 Dental Clinical Practice II; 1145 Dental and Health Science II; 3567 Structure and Function of the Body II
corequisite: 7413 Dental and Health Science III
This stream builds upon Dental Clinical Practice II with regard to the consolidation of preventive, periodontal and restorative clinical skills, through manikin exercises and by provision of treatment for selected patients of the South Australian Dental Service. The pain control component of the stream covers local anaesthetic techniques. The stream includes a laboratory program in removable prostodontics and in cast gold restorations. Clinical experience will be gained in removable prostodontics and anterior endodontics.
Topics include: patient assessment for local anaesthesia, pharmacological aspects of local anaesthesia; aspects of advanced restorative dentistry; treatment planning principles of preparation for indirect gold, resin and porcelain restorations; laboratory stages of cast gold restorations; bonding systems; philosophies and practices of removable partial denture prostodontics; periodontics aetiology and treatment; pulpal, periapical and periradicular pathology; dental materials.
assessment: see Third Year Mouth Book

9310 Diseases and Disorders of the Body IIIID
6 units full year
5 hours per week
prerequisite: 3567 Structure and Function of the Body II
This stream introduces students to pathology, microbiology, immunology and oral pathology in the context of human disease. The course aims to provide students with a detailed understanding of core pathological and immunological reactions that can occur and how such processes relate to clinical disease; to provide students with detailed knowledge of the structure and biology of bacteria, viruses and fungi and how these organisms relate to human disease states and processes; to provide a detailed understanding of the normal oral microflora and its relationship to oral health and specific dental diseases such as caries and periodontal disease; to provide a detailed understanding of the processes of neoplasia and hyperplasia generally and in relation to the mouth.
Topics include: cell injury, acute and chronic inflammation, healing, the cellular composition and function of the normal immune system, immune system reactivity, immunological hypersensitivities; microbial physiology, metabolism and genetics; principles and practice of disinfection and sterilisation, antibiotic therapy, infection control; host-parasite relationships including mechanism of pathogenicity; bacterial, viral and fungal diseases of relevance in dentistry; the oral microbiota and its relation to caries and periodontal diseases; hyperplasia and oral hyperplastic lesions, HIV/AIDS, neoplasia and oral neoplasia.

assessment: advised at the beginning of course

prescribed texts: Slots, Taubman (1992) Contemporary Oral Microbiology and Immunology

9097 Fourth Annual Examination

1448 Dental and Health Science IV 8 units full year
Contact hours to be determined
prerequisite: 7413 Dental and Health Science III
corequisite: 4978 Dental Clinical Practice IV

This stream provides an understanding of the interactions between general health, general disease and medical treatment with dental treatment. Topics to be presented will include: General and Oral Pathology; General Medicine; Pharmacology and Therapeutics; General Surgery; Social and Community Aspects of Health and Pain Control. Dental learning packages (DLP’s) will be presented in coordination with the Dental Clinical Practice IV stream.

It aims to: provide a systematic overview of clinical and other pathologic features of various diseases/lesions that may be encountered in the tissues of the oral region; describe the systemic diseases and disorders of the body of relevance to dentists; provide an appreciation of principles of drug administration, distribution, action and elimination; provide instruction on important classes of drugs with emphasis on their modes of administration and action, therapeutic uses, adverse effects and interactions; discuss the role of pharmacology and therapeutics in dental practice; discuss the management of medically compromised patients; provide an overview of surgery including knowledge of metabolic response to injury and shock, bleeding and transfusion and surgical infection; discuss social and community aspects of disease including the burden of illness, inequalities and determinants of health, health promotion, care and policy.

An understanding of the basic principles and clinical and microscopic features of disease is assumed, particularly: developmental disorders, inflammation, basic immunopathology, hyperplasia, neoplasia, degenerative disease, hormonal-metabolic disease, physiology, biochemistry and microbiology.

assessment: short tests, projects, dental learning packages and written examinations


4978 Dental Clinical Practice IV 12 units full year
Contact hours to be determined
prerequisite: 4450 Dental Clinical Practice III
corequisite: 1448 Dental and Health Science IV

This stream builds upon previous years with regard to the acquisition and consolidation of dental clinical skills.

assessment: to be advised

prescribed texts: to be advised

7571 Dental Selectives IV 4 units full year
Contact hours to be determined
prerequisite: 9494 Third Annual Examination

The program is designed to give students the opportunity to explore aspects of the program in more detail or gain additional experience in certain areas or take part in one or more activities not included in other parts of the program. This might include coursework from appropriate programs, supervised research projects, additional experience in advanced aspects of a clinical speciality or exchange visits to other dental schools. Students are strongly advised to discuss
their proposed selective program with the coordinator as soon as possible.

**assessment:** by supervisors, presentation of work carried out in the November selective program

**prescribed texts:** to be advised

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### 6753 Fifth Annual Examination

**Dental and Health Science V**

- **8 units**
- **full year**
- **6 hours per week (approx)**

**prerequisite:** 1448 Dental and Health Science IV

**corequisite:** 7137 Dental Clinical Practice V

This stream builds upon 1448 Dental and Health Science IV. A population perspective on oral health and access to dental care is presented as a context for the consideration of a number of problem-based learning packages on the organisation and delivery of dental care, particularly to disadvantaged groups. These problem-based learning packages are supported by guided reading, seminars and resource talks.

Clinical applications of oral pathology and oral medicine is covered including the principles of diagnosis of systemic and local diseases affecting the oral cavity. Instruction is given in the use of clinical and laboratory diagnostic procedures. Methods of treatment of oral disease are considered and emphasis is placed on interactions between dental treatment and medical conditions.

Topics related to community dentistry, practice management, working with auxiliaries, legal and ethical issues, as well as updates in a variety of clinical disciplines are discussed in a series of interdisciplinary seminars during the second semester.

**assessment:** to be advised

**prescribed texts:** Little JW & Falace DA *Dental Management of the Medically Compromised Patient* 5th edn, (Mosby); Regezi and Sciubba *Oral Pathology: Clinical-Pathologic Correlations* 3rd edn (W.B. Saunders); Lakhan, Dilly, Findlayson (1993) *Basic Pathology*

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### 7137 Dental Clinical Practice V

- **12 units**
- **full year**

Contact hours to be determined

**prerequisite:** 4978 Dental Clinical Practice IV

**corequisite:** 9983 Dental and Health Science V

This stream builds upon previous years with regard to the acquisition and consolidation of dental clinical skills in different disciplines including general dental practice, oral diagnosis, dental radiology, oral surgery, paediatric dentistry and orthodontics, pain control and removable prosthodontics. Students gain clinical experience of the comprehensive management of patients, based on the coordination of skills from individual disciplines. Seminars and clinical tutorials explore a wide range of topics relating to general practice. Emphasis is placed on treatment planning, reviews of completed treatments and prognosis. Oral diagnosis and Dental Radiology components continue on from the fourth year with increasing emphasis on the development of treatment planning and communication skills. Lectures on oral surgery presented during the fourth year are followed and expanded in class meetings and clinical sessions that form part of the Dental Clinical Practice V stream. Major aspects of oral surgery including dento-alveolar surgery, maxillo-facial injuries, preprosthetic surgery, orthognathic surgery, temporomandibular joint surgery and aspects of cleft surgery and head and neck oncology are covered.

Clinical practice in oral surgery includes patient assessment, diagnosis, selection of appropriate analgesia/anaesthesia, routine exodontia, minor oral surgery and elective oral surgery on outpatients at the Royal Adelaide Hospital. Students gain further knowledge in the management of apprehension and pain, including general anaesthesia.

**assessment:** self assessment; tutor assessment, written clinical assessments - minimum standards required in each discipline to satisfactorily complete the requirements for the stream

**prescribed texts:** to be advised

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### 5181 Dental Selectives V

- **4 units**
- **full year**

Contact hours: semester I - 3 hours per week; semester II - 6 hours per week. Aspects of Dental Selectives may be undertaken during semester breaks.

**prerequisite:** 9097 Fourth Annual Examination; for some clinical selectives, students must have satisfactorily completed the prerequisite level of knowledge

This course follows on from Dental Selectives IV with the intention of allowing students to customise aspects of their dental program by exploring selected aspects of dentistry in more detail, gaining additional experience in certain areas, or taking part in activities not included in the core component of the undergraduate dental.
program. This might include additional experience in advanced aspects of dental clinical practice, dental and health sciences, or human biology, coursework from other appropriate educational institutions, supervised research projects, or exchange visits to other institutions or dental schools. In Semester I, students undertake one clinical Selective and in Semester II, undertake one clinical Selective and one non-clinical Selective. See 7511 Dental Selectives IV

assessment: as required by supervisors - may include clinical assessment, written reports, oral presentations; satisfactory completion of the requirements of other approved educational institutions.

prescribed texts: to be advised
Bachelor of Science in Dentistry (Honours)

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 The degree of Bachelor of Science in Dentistry (Honours).

2 Duration of program
2.1 To qualify for the degree a candidate shall undertake advanced study extending over one academic year as a full-time candidate, or with the approval of the Dental School, over a period of not more than two academic years as a half-time candidate and satisfy the examiners at the first attempt.

3 Admission requirements
3.1 Before entering upon the program of study for the degree a candidate must:
   (a) have completed the prerequisite work, or work accepted by the Dental School as appropriate for the proposed program of study and
   (b) be deemed by the Dean of the School concerned to be a suitable candidate for advanced work

3.2 Assessment and examinations
3.2.1 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
3.2.2 The names of the candidates who qualify for the degree shall be published within the following classes and divisions in each course:
   - First Class
   - Second Class Division A
   - Division B
   - Third Class

3.2.3 The examination for the degree may consist of such written, oral and practical examinations as may be required. Assessments of any essays submitted by the candidate, practical work completed during the program, and the report on a research investigation may be taken into account.

4 Qualification requirements
4.1 Program of study
4.1.1 A program of study for the degree may be undertaken in one of the following:
   - 1739 Honours Anatomy and Histology
   - 6777 Honours Biochemistry
   - 2190 Honours Dentistry
   - 7599 Honours Genetics
   - 7751 Honours Materials Science
   - 1551 Honours Pathology
   - 3950 Honours Pharmacology
   - 6740 Honours Physiology

4.1.2 Assumed knowledge
   All programs of study assume a pass in the Third Annual Examination for the degree of Bachelor of Dental Surgery; or an Ordinary degree in another field of study that the Dental School deems equivalent. Honours Genetics specifically assumes a pass in the course Genetics II as prescribed for the degree of Bachelor of Science.

4.1.3 A program of study will consist of such of the following as may be required:
   (a) reading in selected fields and submissions of essays
   (b) attendance at lectures
   (c) practical work and
   (d) the undertaking of a research investigation on a topic assigned early in the program.
**Syllabuses**

*Note*: Intending candidates should consult the Head of the appropriate Department prior to commencement of the program for details of required reading and assessment.

### 2190 Honours Dentistry

Candidates may, with the approval of the Head of the Department, enrol in the Honours Dentistry program after they have successfully completed the third year of the Ordinary degree of Bachelor of Dental Surgery, or after they have obtained the Ordinary degree of Bachelor of Dental Surgery or equivalent. Under certain circumstances, candidates who have obtained an ordinary degree in another Faculty may be admitted to an Honours program in Dentistry.

Candidates may choose as their principal area of study one of the current research thrusts of the Dental School. Candidates will be required to undertake on a full-time basis for one year (unless in half-time if approved by the Dean of the Dental School), a program of study which may include essays, seminars, laboratory work, clinical work and a research project under the supervision of a member of the School. A candidate may be required to undertake such formal courses of study in related courses as are deemed desirable. Prospective candidates are advised to consult the Dean of the Dental School and staff members in the year preceding the honours year to discuss the area of proposed study.

### 1739 Honours Anatomical Sciences

### 6777 Honours Biochemistry

### 2190 Honours Dentistry

### 7599 Honours Genetics

### 7751 Honours Materials Science

### 1551 Honours Pathology

### 3950 Honours Pharmacology

### 6740 Honours Physiology