

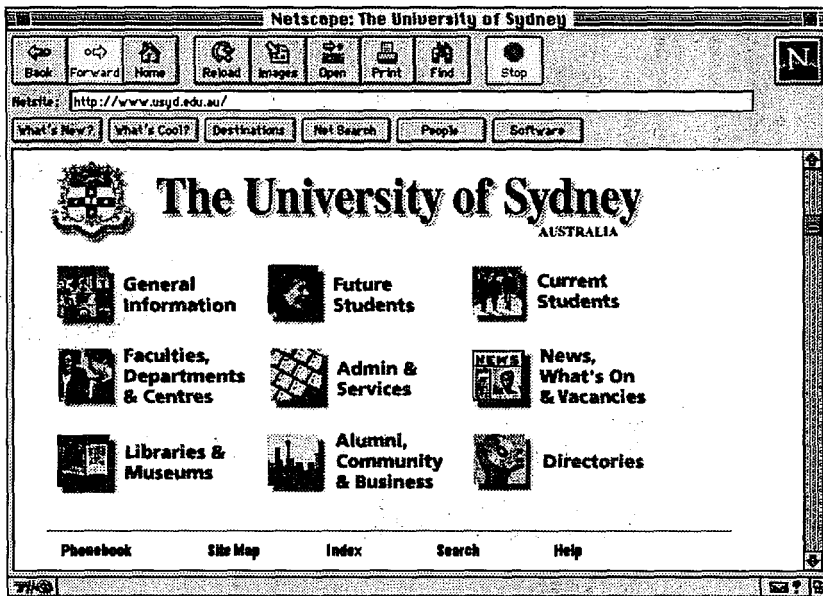


The University of Sydney

**Faculty of Dentistry
Handbook
1998**

Editor

Ewan J. Mylecharane



The University's homepage tells you all about courses at Sydney, some careers they can lead to, and what university life is like. The interactive website, with video and sound clips, has links to the University faculties and departments.

You can explore the University of Sydney at <http://www.usyd.edu.au>

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Faculty of Dentistry Handbook 1998

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The information in this Handbook is subject to approval and/or change by the Faculty or the University. Students should always check the accuracy of the information with Faculty staff.

Semester and Vacation Dates

Semester and vacation dates are determined in accordance with a formula prescribed in the resolutions of the Senate.

| | Semester begins | Mid-semester recess | Lectures end | Study Vacation | Exams Commence |
|--|----------------------------|--------------------------------|---------------------|-----------------------|---------------------------|
| <i>First Year,</i> | | | | | |
| <i>Second Year</i> | | | | | |
| March Semester | 2 March | 10-17 April | 12 June | 15-19 June | 22 June |
| July Semester | 27 July | 28 Sept.-2 Oct. | 6 November | 9-13 November | 16 November |
| <i>Third Year</i> | | | | | |
| March Semester | 12 February | 10-17 April | 12 June | 15-19 June | 22 June |
| July Semester | 20 July | 28 Sept.-2 Oct. | 6 November | 9-13 November | 16 November |
| <i>Fourth Year</i> | | | | | |
| March Semester | 30 January | 10-17 April | 12 June | 15-19 June | 22 June |
| July Semester | 20 July | 28 Sept.-2 Oct. | 6 November | 9-13 November | 16 November |
| <i>Fifth Year</i> | | | | | |
| March Semester | 16 February | 10-17 April | 12 June | 15-19 June | 22 June |
| July Semester | 27 July | 28 Sept.-2 Oct. | 6 November | 9-13 November | 16 November |
| <i>Note: Easter recess: 10-17 April inclusive.</i> | | | | | |

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1. Message from the Dean



I warmly welcome you to the Faculty of Dentistry, University of Sydney. Entry into this Faculty provides an exciting undergraduate program and the prospect of a challenging and rewarding career. The undergraduate course requires the development of procedural skills to achieve appropriate standards in preclinical coursework and clinical practice. Coursework in the clinical sciences is built on a foundation of basic and biological sciences and practical clinical experience begins in First Year. The final year is designed to match as closely as possible, a comprehensive practice experience with reduced clinical supervision. As well, in the final year, clinical experience is broadened by rotations to other hospitals associated with the University of Sydney.

The undergraduate program takes place on three locations: basic and biological sciences training is on campus at The University of Sydney; preclinical and early clinical training takes place at the United Dental Hospital; and clinical training is split between our two teaching hospitals, the United Dental Hospital, and Westmead Hospital Dental Clinical School. The first two years includes time on the University campus and allows the early clinical and preclinical experience to take place at the United Dental Hospital, whilst the senior clinical years (Fourth and Fifth Years) will be completed at Westmead Hospital Dental Clinical School.

Dentistry is a noble profession, closely linked with medicine but independent from it and the undergraduate dentistry course is designed to prepare graduates to commence clinical practice following graduation and registration. Entry into dentistry and training as a health care professional places a great deal of responsibility on each student and graduate for the delivery of appropriate clinical treatment and for the care and management of each patient's well-being. Patients will have trust in the technical and clinical skills of the clinician as well as their ethical and moral standards. The responsibility that rests with each undergraduate and graduate dentist in each of these areas, requires special understanding, caring and sensitivity.

The course will cover technical, clinical and ethical aspects of dental practice and competency in each of these areas will allow confidence to maintain appropriate standards of health care. Graduates of The University of Sydney have a privileged role in the community.

The course is designed to equip graduates to meet changing community needs. Such changes have had a profound impact during the last 20 years, independent of the refinements of dental instrumentation and ergonomic clinic design, and reflect much more the biological basis of dentistry and a move from a technology-based discipline that was previously the backbone of dental practice. As well, the improvements in community oral health have followed increased awareness of preventive oral health measures.

The emphasis on preventive care in practice and the fluoridation of water supplies has led to the virtual elimination of dental caries. Management of caries in such mouths when it does occur, is a relatively simple procedure and medical management of the early lesion both for adults and children has dramatically changed the workload of clinical practice.

The emphasis on preventive oral health care, on management of the occlusion of the teeth and dealing with orofacial dysfunction and jaw muscle pain, is now an increasingly important component of dental practice. The use of new restorative materials and the exciting development of predictable implant management have further developed dentistry to equip itself for the demands of the 21st century.

The exciting developments in undergraduate education are matched by challenging continuing education opportunities. There is a need to continue to keep abreast of changes that arise as a result of improved oral health care and research into oral disease. The Faculty offers a comprehensive variety of continuing education courses, diploma courses and higher degree training in research and the clinical specialities. This is the ideal way to maintain clinical and ethical standards and to keep pace with the changing face of dentistry.

Iven Klineberg

Dean

2. Introduction

In this handbook you will find most of the things you are likely to need to know about the Faculty. In particular the handbook will help you find out about:

- who the people in the Faculty are
- the requirements for degrees in the Faculty and how they can be satisfied
- what units of study are offered, and the books that go with them.

The following are the principal sources of information about the study of dentistry at the University of Sydney.

At the United Dental Hospital and Westmead Hospital

Dentistry students spend some of their time in First and Second Years and most of Third Year at the United Dental Hospital, 2 Chalmers Street, Surry Hills, 2010; for the major part of Fourth and all of Fifth Year, students are located at the Dental Clinical School, Westmead Hospital. You should seek information and advice from the following Faculty areas:

Faculty Office

The Faculty Office answers questions about:

- University regulations
- Faculty rules, procedures and the like
- postgraduate study, by graduates of this or other universities.

The Faculty Office is located in the Faculty Building, Level 3, at the United Dental Hospital of Sydney.

Dean's Office

The Dean's Office answers questions about studies in the Faculty, or about general administrative matters. It is on Level 3 of the Faculty Building of the United Dental Hospital.

Disciplines

There are thirteen Disciplines within the Faculty of Dentistry: Biomaterials Science, Endodontics, Fixed Prosthodontics, Occlusion, Oral Surgery, Oral Biology, Oral Pathology and Oral Medicine, Orthodontics, Paediatric Dentistry, Periodontics, Public Health Dentistry, Removable Prosthodontics, Tooth Conservation. Interdisciplinary coursework is also provided in Dental Technology and Oral Health; Oral Diagnosis and Radiology; and the Clinical Dentistry unit of study in Fifth Year.

Noticeboards

School and Discipline noticeboards for each Year within the hospitals should be consulted regularly.

3. Staff

* Heads of Discipline (as indicated in parentheses).

FACULTY

Dean

Iven J. Klineberg

Deputy Dean

Cyril J. P. Thomas

Associate Deans

Carole A. Price (*Undergraduate Studies*)

D. Murray Walker (*Postgraduate Studies*)

.....(*Research*)

Ward L. Massey (*Curriculum*)

Office of the Dean

Administrative Assistant to the Dean

Lisa Swansborough

Faculty Manager

Hugh V. Wilson, BEc

Finance Accountant/Resources Officer

Reuben Karunaikumar, ACM A U.K.

Admissions Officer

Jean C. Pitkin, BA GradDip Asian Studies N.E.

Postgraduate Student Administrator

Tracy Moloney, BA U.N.S.W.

Administrative Staff

Ann Barron

Rebecca Granger

Natalie Shea, BA DipEd

Margaret Thomas

Donna Wiltshire, BA

Attendant

Kevin Wylie

Continuing Education

Director

Administrative Assistant

Professor of Oral Biology

Professor of Prosthodontics

*Iven J. Klineberg, AM RFD, PhD Lond. BSc MDS, FRACDS

FDSRCS FICD (Occlusion)

Appointed 1978

Professor of Oral Pathology

*D. Murray Walker, BDS Brist. MD BCh Wales, FDSRCS MRCPPath

FFOP FRCPA (Oral Pathology and Oral Medicine)

Appointed 1992

Professor of Conservative Dentistry

*Roland W. Bryant, MDS PhD, FRACDS (Tooth Conservation)

Appointed 1993

Australian Society of Orthodontists (NSW Branch) Inc. Professor of Orthodontics

M. Ali Darendeliler, MS(BDS) Istanbul PhD DipOrthod Gazi CertifOrthod Geneva PrivDoc Turkey

Appointed 1997

Associate Professor

*Sybille K. Lechner, MDS, FRACDS FPFA FICD (Removable Prosthodontics)

Associate Professor (Fractional)

Christopher G. Daly, MSc Lond. BDS PhD, FRACDS

Senior Lecturers

*Malcolm I. Coombs, BDS LDS Sheff. DCRLond. MDS (Oral Surgery)

Tarda M. Gerzina, MDS PhD, FRACDS

*James G. Ironside, MDS Adel. (Fixed Prosthodontics)

F. Elizabeth Martin, MDS, FRACDS

Ward L. Massey, BDSc Adel. PhD

Gregory M. Murray, PhD Tor. MDS, FRACDS

*Carole A. Price, GradDipHEd U.N.S.W. MDS (Oral Health, Dental Technology)

Graham A. Thomas, BDS

Geoffrey Wright, BDS Sheff. Dip.Orth R.C.S., FDSRCS

Hans Zoellner, BDS PhD

Senior Lecturers (fractional)

*John Highfield, BDS MSc Lond DDS Tor. (Periodontics)

*Nicky Kilpatrick, BDS Birm. PhD N'cle (U.K.), FDSRCPSGlas (Paediatric Dentistry)

John Kirkwood, DDS Tor. Cert.Periodontics Indiana BDS, FDSRCS FRACDS FHKAM(Dent Surg)

Arumugam Punnia-Moorthy, BDS Sri Lanka PhD Lond., FDSRCS FFDRCSI

Senior Research Fellows

Neil Hunter, BDS PhD

*Nick Jacques, BSc PhD (Oral Biology)

Toshio Sumii, BDSc PhD Tokyo Dent. Coll.

Lecturers

Anthony R. Au, MDSc, FRACDS FADI

Malcolm D. Bourne, LDS R.C.S., FDSRCS

Deborah Cockrell, BDS Birm., FDSRCPSGlas

Stephen Cox, BDS MDScDent, FRACDS

Lecturers (fractional)

Theodor Baisi, BDS MDSc

David Barnard, MDSc Melb. BDS

Cheryl C. Chappie, BDS MSc Lond.

Catherine E. Groenlund, MHP DipMark U.N.S.W. BDS MDSc

Sarah Raphael, BDS Adel.

Antonia M. Scott, BDS

Shanti Sivanewaran, BDS Mysore CertHealthEcon Monash MDS DPHDent

Luke Villata, MS Aarhus BDS

Research Fellow

Derek W.S. Harty, BSc Kent PhD Birm.

Associate Lecturer

Simon Parrington, BDS Lond., FDSRCS

¹As at 1 February 1998.

Associate Lecturers (fractional)

Suzanne F. Brent, BDS
Shalinie Gonsalkorale, BDS
Amanda Law, BDS
Danny Low, BDS
Mary L. Moss, BDS
Andrew J. Pitsis, BDS
Juliette M. Scott, BDS
Wymin Yuen, BDS

Professional Assistant

Christopher Johnson, MAppSc *N.S.W.I.T.* MComp *Macq.*, MRACI
CChem MACS

Senior Technical Officers

Stephen M. Green
Michael Jean-Louis
Ken Tyler
Robert Underdown

Technical Officers

Janice Matthews
Ksenija Rechan, CDT

Administrative Staff at Westmead Hospital Dental Clinical School

Georgette Bahari
Tracey Bowerman
Marty Darragh
Alexis Jarvis
Vaughan Kelly
Frances Porter
Joan Tasker

Honorary part-time staff

Clinical Professor

John E. deB Norman, MG ChB *Leeds* MDS, FDSRCS FRACDS FRCSEd

Clinical Associate Professors

Geoffrey M. McKellar, BDS *Qld* MSc *Melb.* DOS *R.A.C.D.S.*,
FRACDS

Terry Walton, MS *Mich.* MDS, FRACDS

Stephen Yeung, MDS *Adel.* PhD *N'cle (N.S.W.)*, FRACDS

Adjunct Associate Professors

John Dale, AM, LLB *U.N.S.* WDDS *Tor.* MDS, FRACDS FICD FADI

Norton Duckmanton, RFD, MDS, FRACDS

Chris J.G. Griffiths, AM RFD, BDS DPHDent, LDS(Vic)

James K. Hawkins, MDS, FRACDS FICD

Robin Hawthorn, MDS

George H. Hewitt, MDS, FDSRCS FRACDS FICD (Coordinator of
MDS Programs)

*John R. Mayne, DDS *Tor.* BDS DABE, FRACDS FICD (Endodontics)

Robert D. Mitchell, MDS, FRACDS(OMS)

Toshiko Mori, PhD

Braham Pearlman, BDS MScDent *Boston*

Richard P. Widmer, MDS *Melb.*, FRACDS LDS(Vic)

Clinical Senior Lecturers

George M. Boffa, BPharm MD, FEARCS FICS FANZCA FRCA

Angus C. Cameron, BDS MSc, FRACDS

Ann P. Collins, LDS *R.C.S.* BDS *Lond.* MDS, FRACDS(OMS)

Susan G. Howell, BDS MSc

Barbara A. Taylor, *BDSAdel.* GradDipOH&S *W.A.I.* T. MDS, FRACDS

Clinical Lecturers

Michael Bender, MB BS, FRACS

Janet E. Benson, MCLinPsych *Macq.* BA

Susan Buchanan, BDS *Melb.* MDS, FRACDS

Harold C. Champion, BDS

Nigel J. Curtis, BDS *N'cle (U.K.)* MSc *Glas.*, FDSRCS FRACDS

Peter Duckmanton, BDS MSc, FRACDS

Peter King, MDS

Peter G. Kramer, BDS

Morag Paton, BDS. DipPhysEd *Edin.*

Leesa Rix, BDS MSc, FRACDS

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Mark Schifter, BDS

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Katharine Field, BDS

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Belinda K.L. Liu, BDS

Anthony P. Naim, BDS

Katherine Ngu, BDS

Ky-Anh T. Nguyen, BDS

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Lindy Sank, BSc DipTherDietetics

Alicja Smiech, BDS *Lublin*

S. Fuen Tang, BDS

David Taub, BDS

Alan J. Templeman, BDS

Hilary M. Thomas, BDS

Bruce E. Waters, DipMedRad

Richard J.S. Watson, BDS

Honorary Associate

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Specialist Clinical Associates

Bruce W. Austin, MSc, FRACDS

Keith Baetz, BSc BDS *Witw.* MDS

Ching Kit Chan, BDS MSc

Ernest Y. Chan, BDS MSc

Michael J. Counsel, BDS MSc

David Dal Pra, BDS *Qld* MSc *Lond*

Michael J. Dineen, BDS MSc

Stephen L. Duncan, BDS MSc

Robert Fox, BDS

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John Mamutil, MDS

Ronald J. Masson, BDS MSc, FRACDS

Kareen Mekertichian, BDS MSc, FRACDS

Timothy A. Mew-Sum, BDS MSc

Arthur A. Mills, MDS, FRACDS

Anthony J. O'Meara, BDS MSc

Neil J. Peppitt, BDS MSc, FRACDS

Anthony Pistolese, BDS MSc

Morris Rapaport, BDS MSc

Sarah L. Raphael, BDS *Adel.*

David M. Roessler, BDS MSc, FRACDS
Eric Saacks, BChD *Stell. CertPerio CertOrth Penns.*
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Barbara J. Spark, BDS MSc
Peter W. Synnott, BDS MSc
Franciskus B. Tan, MDS, FRACDS
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Daniel Vickers, BDS MSc
David J. Webster, BDS, FRACDS FDSRCS FDSRCPSGlas
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Senior Clinical Associates

Ernest Altman, MHP *U.N.S.W.* MDS
James Auld, MSc DipSocSc *N.E.* BDS
Richard Colgan, BDS
Patrick J. Dalton, BDS, FACD FICD
Stephen C. Daymond, BDS, FICS
Bruce C. Duncan, BDS BA
Leonard G. Fabre, BDS
Phillip P.Gray, BDS
Stuart H. Howe, BDS
David Leafé, BDS MSc *Lond.*
Anthony J. Lepere, DChDent *Paris BA N. Y.*
Anthony C. McLaughlan, BDS
Alastair J. Rourke, BDS
Darren J. Scott, BDS
Swee T. Tan, BDS
Thomas N. Tseng, BDS, FRACDS
David I. Wearn, BDS
Bettine C. Webb, MHP *U.N.S.W.* MDS PhD
Phillip Zoldan, BDS

Clinical Associates

Eduardo E. Alcaino, BDS, FRACDS
David Armstrong, BDS
Glen Baker, BDS
Frank W. Chan, MSc *Melb.*
Roger K. Chan, BDS
James K.W. Choi, BSc(Dent) BDS
Mary Choo, BDS
Jacqueline J. Chriss, BDS
R. Geoffrey Cook, BDS
David J. Cox, BDS *Qld*
Catherine Crocker, BDS *Brist. DipGenDentPrac R.C.S.*
Martin Davies, BDS
Peter A.B. Dayman, BDS
Andrew J. Dunn, BDS *CertHlthPromotion Curtin*
Robert M. Elphinstone, BSc BDS
Annabel Enno, BDS
Sibel Erel, BDS *Lond. LDS R.C.S.*
James Giannisis, BDS
Elizabeth Gluhin, BDS
Kuat S. Ho, BDS *Sheff. MSc Melb.*
Ann Y.S. Hou, BDS *Taipei Medical College BDS Adel MSc DipPHDent*
Stephen R. James, BDS
Matthew Keats, BDS
Phillip D. Kendall, BDS
Helen C. Kijvanit, BDS
Susie H.A. Kim, BDS
David E. Laird, BDS
Pavel Lapardin, BDS
David J. Lee, BDS
Ian Lemmey, BDS
Rex Liu, BDS, FRACDS
Moses K.O. Lui, BDS *H.K. MSc Lond.*
Kathleen A. Matthews, BDS
Stella L.J. Miller, BDS
David G. Millington, BDS

James V.T. Ngo, BDS
Chinh Nguyen, BDS
Colyn R. Pavay, BDS
David G. Peters, BDS *Adel.*
Chaitan S. Ropra, BDS
Bradley J. Russ, BDS
S. Rajah Selvarajah, BDS
David A. Sheen, MHP *U.N.S.W.* BDS
Desmond A. Singh, BDS
Vivienne J. Stewart, BDS
Yvonne Y.W. Sum, BDS
Leigh W. Sutherland, BDS
Brett L. Taylor, BDS
Oanh K.T. Tran, BDS
John Tsun, BDS
Peter J. Tyas, BDS
Claro M.S. Villon, BDS
Phillip G.C. Whalley, BDS
Mathini Wigneswaran, BDS *Ceyl.* BDS
Sam M.C. Yeung, BDS

Clinical Tutors

William G.K. Chua, BDS
Behzad Habibi, BDS, FRACDS
Robert Mackay, BDS
Geoffrey I. Parsons, BDS
A. Patrick P. Selvaraj, BDS
Ilyong Son, BDS

FROM OTHER FACULTIES

Professors

Clive G. Harper, MD BS, FRCPA (*Pathology*)
Robert Hewitt, BSc PhD (*Science*)
Stephen Leeder, BSc(Med) MBBS PhD, FRACPFFPHM FAFPPHM
(*Medicine*)
J. Paul Seale, PhD *Lond.*, FRACP (*Pharmacology*)
R. Gerry Wake, MSc PhD, FAA (*Biochemistry*)

Reader

*John Gibbins, MDS PhD (*Pathology*)

Associate Professors

David F. Davey, BSc PhD *McG.* (*Physiology*)
*Raymond Kearney, BSc PhD *Qld* (*Infectious Diseases*)
Ewan Mylecharane, BPharm *Vic.I.C.* BSc PhD *Melb.* (*Pharmacology*)
Cedric D. Shorey, MSc PhD, CGIA FCGI (*Anatomy and Histology*)

Directors of First Year Studies

*Mary Peat, BSc *Birm.* PhD *Brist.* (*Biological Sciences*)
*Ray Pierens, MSc PhD (*Chemistry*)

Senior Lecturers

*Hilary G.E. Lloyd, BSc *Brist.* MSc PhD *Lond.* (*Pharmacology*)
Mary A. Pegler, MSc, FASM (*Infectious Diseases*)
*Michael A.W. Thomas, DPhil *Oxf.* BSc (*Biochemistry*)

Lecturers

Robin Arnold, MSc (*Anatomy and Histology*)
*Miriam Frommer, PhD *Lond.* BSc (*Physiology*)
*Rosemary Millar, BSc *Qld* MEd (*Physics*)
Bill Phillips, BSc PhD (*Physiology*)
*M. Anne Swan, BSc PhD (*Anatomy and Histology*)

OTHER STAFF

Honorary Curator, Dental Alumni Society Museum
Sydney Levine, OAM, MDS, FRACDS

Honorary Assistant Curator, Dental Alumni Society Museum
Anthony O'Meara, BDS MSc

4. The Faculty of Dentistry

General

Degrees and Diplomas in the Faculty

The Faculty of Dentistry provides educational programs at both the undergraduate and postgraduate level. These courses prepare the students for the general practice of dentistry, specialisation, research, teaching or dental administration. There are two undergraduate degrees, the degree of Bachelor of Dental Surgery (BDS) and the degree of Bachelor of Science (Dental) (BSc(Dent)). There are three master's degrees, the degree of Master of Dental Surgery (MDS), the degree of Master of Science in Dentistry (MScDent) and the degree of Master of Dental Science (MDSc). The Faculty also offers the degrees of Doctor of Philosophy (PhD) and Doctor of Dental Science (DDSc), the Graduate Diploma in Public Health Dentistry (GradDPHDent) and the Graduate Diploma in Clinical Dentistry (GradDipClinDent).

The degree of Bachelor of Dental Surgery enables graduates to practise dentistry and is the academic evidence required by the Dental Board of N.S.W., for registration as a dentist.

The degree of Bachelor of Science (Dental) is a research degree undertaken during or after the completion of the BDS degree.

The Field of Dentistry

The goal of the dental profession is the optimal oral health of the individual and the community, by the prevention of oral disease and the treatment of those diseases and abnormalities that cannot be prevented. The dental profession is an integral part of the health team in the community and has the specific responsibility for orofacial tissues and their function and a joint responsibility with the other health professions to integrate dental and oral health into the total health care of the community.

This responsibility involves consideration of both the patient as an individual and as a member of the community. In the modern dental curriculum, community dentistry is playing an ever increasing role.

Dentistry as a Profession

There is an increasing scope of activity for dental graduates. The control of dental caries and the lessening of needs for routine restorative dentistry in the younger generation, as well as rapid advances in research and prevention over the last decade, have allowed dental graduates the opportunity to carry out more sophisticated and specialised dental treatment. The increasing availability of postgraduate training makes the entry into specialised practice more readily available and the growing level of community awareness of the significance of oral health, together with a feeling of confidence in preventive measures, allows a higher standard of dental health care to be provided for the community.

The emphasis on community health aspects and the development of the social responsibility of the profession are also influencing the nature of dental practice and re-orienting attitudes of both the profession and the community to oral health and the value of preventive and treatment services.

General Dental Practice

Registered dental graduates may practise as general practitioners and provide dental care for their patients in a private practice situation. They may also practise general dentistry in an institution, government instrumentality or in the armed services. Most dentists are in general practice.

Specialisation

Dentists may undertake programs of advanced study and research to prepare themselves for specialised practice. Some of the areas of specialisation are orthodontics, oral and maxillofacial surgery, oral medicine, periodontics, dental public health, prosthodontics and paediatric dentistry.

Dental graduates may restrict their practices to one of the areas of specialisation or may, after taking a higher degree or additional qualification, emphasise and develop an area of specialised interest within general practice.

Research

The essence of professional and university activity is the development of knowledge in the total field that the profession encompasses.

Research in dentistry is the basis of progress, not only in understanding human biology and pathology, but also psychology. It embraces every aspect of the basic sciences, clinical practice and the behavioural sciences in their relationship to the production of oral health and its maintenance.

There are increasing opportunities for research in oral health science. Generally graduates will have to undertake higher degree programs to fit them for a career in both research and teaching.

Teaching

With the expansion and development of dental schools and the increasing numbers of students, the tendency is to rely on full-time specially trained staff members in teaching, rather than upon part-time teachers recruited from the ranks of the profession.

The teaching of dentistry provides a most interesting career, for it necessitates a combination of the academic and practical aspects of dentistry approached on the highest possible level.

Institutional Dentistry

Every hospital or clinic providing a dental health service must employ a number of graduate dentists. Many find that working within the structure of such an organisation is both interesting and rewarding and the new graduate, in particular, may welcome the opportunity of further experience in hospital work.

Armed Services

In time of peace, as well as in war, the Navy, Army and Air Force each maintain a dental health service. The dentist commences with a commissioned rank.

School Dental Service

For those interested in dental work limited to treatment for children, the School Dental Service offers many opportunities. With the extension of public health programs, this service has been significantly expanded.

The Dentists Act

The practice of dentistry in N.S.W, is governed by the Dentists Act 1989, and by the regulations made pursuant to it. Copies of the Act and regulations may be obtained from the Office of the Government Printer, Sydney. The administration of the Act is vested in the Dental Board of N.S.W.

It is illegal to perform any operation or give any treatment, advice or attendance such as is usually performed or given by dentists unless registered by the Dental Board of N.S.W.

Any person who proves to the Board to be of good character shall be entitled to be registered as a dentist if he or she is:

- (a) a graduate in dentistry of any university in Australia or of a dental college affiliated with a university of Australia; or
- (b) qualified in any of the ways set out in Section 10 of the Act.

Centres and Services for Teaching and Research

Students undertake their training at both the United Dental Hospital and Westmead Hospital Dental Clinical School.

United Dental Hospital of Sydney

The United Dental Hospital provides:

- (a) clinical and technical facilities for the instruction of dentistry students;
- (b) dental treatment for patients who are holders of Health Cards or those referred for specialist care;
- (c) facilities for the Institute of Dental Research.

Dental Clinical School, Westmead Hospital

The Dental Clinical School is part of Westmead Hospital. It provides:

- (a) clinical and technical facilities for the instruction of dentistry students;
- (b) dental treatment for patients who are holders of Health Cards or those referred for specialist care.

Aboriginal Medical Service

The Aboriginal Medical Service is an out-patient health care unit for Aboriginal patients from all over Australia who, for a variety of reasons, do not make use of conventional health services. The Service has been affiliated as a teaching institute of the University of Sydney. It has a dental clinic that offers students training in preventive dentistry in particular. It also provides excellent opportunities to conduct follow-up treatment and clinical practice in a community setting and to gain clinical experience of the dental problems of a major ethnic group.

Institute of Dental Research

The Institute of Dental Research, which occupies most of the seventh floor of the United Dental Hospital performs a wide variety of functions. The Institute grew out of what was previously the Department of Pathology of the hospital. As the name of the Institute implies, its staff are primarily concerned with dental research and comprises graduates in both dentistry and science. There are permanent positions for graduates as well as a number of positions held by postgraduate students on research grants. The Institute is concerned with biological research rather than problems of dental materials and the topics of investigation come within the fields of chemistry, biochemistry, physiology, bacteriology, immunology and pathology. There is a close liaison with the dental profession and certain tests are carried out on request. Finance is provided by the Health Department of New South Wales, but members of staff lecture part-time at the University and participate in postgraduate dental programs. The Director holds the positions of Professor of Oral Biology and Head of the Discipline of Oral Biology within the Faculty.

Centre for Oral Health Research

The Centre for Oral Health Research brings together a range of relevant research interests within the Faculty and the Institute of Dental Research. The aim of the Centre is to provide the interface between scientific developments and clinical practice through studies in a range of relevant areas.

The Centre also serves as a public focus for the activities of the Faculty and the Institute of Dental Research. The components of the Centre are the Institute of Dental Research and the following Faculty units: Biomaterials, Experimental Oral Surgery, Neurobiology and Orofacial Pain, Oral Pathology and Oral Medicine, and Orofacial Implants.

Membership of the Faculty

Resolutions of the Senate

Constitution of the Faculty of Dentistry

1. The Faculty of Dentistry shall comprise the following persons:
 - (a) the Professors, Readers, Associate Professors, Senior Lecturers, Lecturers and Associate Lecturers being full-time permanent, fractional permanent, full-time temporary, or fractional temporary members of the teaching staff in the School of Dental Studies;
 - (b) the Deans of the Faculties of Medicine and Science;
 - (c) the Heads of the Schools of Biological Sciences, Chemistry and Physics or their nominees;
 - (d) the Heads of the Departments of Anatomy and Histology, Biochemistry, Infectious Diseases, Pathology, Pharmacology and Physiology or their nominees and up to two full-time members of the academic staff of each of those departments who are responsible for teaching dental students, nominated biennially by the Head of the Department;
 - (e) the Boden Professor of Human Nutrition;
 - (f) not more than eight part-time members of the teaching staff in the School of Dental Studies elected by the Faculty, with not more than two members being elected from any one discipline;
 - (g) full-time members of the research staff of the School of Dental Studies and of the Institute of Dental Research who hold appointments of Research Fellow and above;
 - (h) persons upon whom the Senate has conferred the title of Clinical Professor, Adjunct Professor, Clinical Associate Professor, Adjunct Associate Professor, Clinical Senior Lecturer, or Clinical Lecturer in accordance with the resolutions of the Academic Board;
 - (i) not more than five students elected in the manner prescribed by resolution of the Senate;
 - (j) the President of the Dental Health Education and Research Foundation within the University of Sydney;
 - (k) the General Superintendent of Westmead Hospital;
 - (l) the Director of Dental Services at Westmead Hospital and the Director of Dental Services at the United Dental Hospital;
 - (m) the Director of the Institute of Dental Research;
 - (n) the Director of Dental Services of the Department of Health of New South Wales;
 - (o) one nominee of each of the Royal Australasian College of Dental Surgeons and the Australian Dental Association (New South Wales Branch);
 - (p) such other persons as may be appointed by the Faculty on the nomination of the Dean, for such period as determined by the Faculty; and
 - (q) such other persons as may be appointed by the Faculty as Honorary Members of Faculty on the nomination of the Dean, for such period as determined by the Faculty, in accordance with resolutions adopted by the Faculty at its meeting on 10 November 1995.

2. The election of members pursuant to section 1(f) shall be held at the last meeting of the Faculty in each alternate year and the members so elected shall hold office from 1 January of the year following their election until the next election but conterminously with their membership of the part-time teaching staff.

Student membership of the Faculty

The resolutions of the Senate make provision for five students to be elected to membership of the Faculty of Dentistry. The five students shall comprise:

- (a) the President of the Sydney University Dental Undergraduates' Association, provided he or she is a student enrolled for a degree or diploma in the Faculty of Dentistry (ex officio),
- (b) one student enrolled for a postgraduate degree or for a diploma in the Faculty of Dentistry, provided that if there is no nomination of a postgraduate student the vacancy may be filled by an undergraduate student,
- (c) three other students.

The Senate resolutions for the student membership of the Faculty of Dentistry are set out in full in the University's *Calendar*.

Students may also become members of other university bodies.

History of the Faculty

Consideration was first given in 1897 to the possibility of establishing a School of Dentistry in the University of Sydney, when a provisional curriculum was drawn up by the Senate. However, in the absence of any law in New South Wales regulating the practice of dentistry, it was not considered appropriate to take any definite steps, and no action was taken until the passing of the Dentists Act in 1900.

The birth of the dental profession in New South Wales occurred on 1 January 1901, when the Dentists Act became operative. Prior to this time, there were no laws governing the practice of dentistry in New South Wales. Any person could set up in dental practice. However, there were some dentists trained in England who were in practice in the colony, and these people worked hard to lay the groundwork for a dental school and to establish the practice of dentistry on a professional basis.

The Dentists Act provided for the licensing of dental practitioners who presented evidence of their qualification to a Board created for the purpose by the Act. The Act recognised any qualification which might be awarded by the University of Sydney, and there was therefore no further reason for delay in establishing a dental school. In 1901 a Committee of the Senate was appointed to complete the arrangements for the opening of a dental school. A Department of Dental Studies was established, with the Dean of the Faculty of Medicine at its head. In March 1901 the Dental School opened, with seventeen students.

The Dental School offered a curriculum of three years leading to a Licence in Dentistry. The course consisted of basic science subjects such as chemistry, physics, anatomy and physiology; the medical subjects materia medica, pathology and surgery; and clinical dentistry.

A Board of Dental Studies was established, consisting of the Chancellor, the Deputy Chancellor and the Dean of the Faculty of Medicine (Chairman), as well as the professors and lecturers in the subjects of the dental curriculum and the members of the honorary staff in the Dental Hospital. The first meeting of the Board was held on 12 February 1901. Professor Sir Thomas Anderson Stuart, the Dean of the Faculty of Medicine, worked tirelessly, first to establish the Dental School and then following its inception, to promote its activities.

Initially it was proposed that dental students should obtain clinical training in the dental department of Sydney Hospital, but this was found to be impracticable. The University Dental Hospital was therefore established in 1901 for the purpose of providing dental care for persons unable to pay normal dental fees and also for the purpose of clinical instruction to dental students of the University.

The Hospital's business was carried out in a building at the corner of George and Bathurst Streets in the city opposite St Andrew's Cathedral. In 1900 a Dental Hospital of Sydney was also established by the N.S.W. Government, to provide dental care for the poor. Subsequently the two hospitals were amalgamated by Act of Parliament in 1905, to form the United Dental Hospital of Sydney. The United Dental Hospital was established in a building on its present site in Chalmers Street, Surry Hills, Sydney.

Apart from the medical members, the Department of Dental Studies consisted of seven dental staff:

the Instructor in Mechanical Dentistry:

N.A. Gray

three lecturers in Surgical Dentistry:

N.S. Hinder, DDS

N.B. Pockley, DDS

R. Fairfax Reading, MRCSEd

three lecturers in Mechanical Dentistry:

A.H. MacTaggart, DDS

A.C. Nathan, DDS

H.S. du Vernet, DDS.

In 1905 the Senate established the degree of Bachelor of Dental Surgery; and a curriculum of four years' duration was approved for this purpose. Special arrangements were made to permit students holding the Licence of Dentistry to be admitted to the degree after a year of further study. In 1906 the first candidates were admitted to the degree of Bachelor of Dental Surgery. There were thirteen candidates for the degree, including two women. Following its establishment, the Board of Dental Studies continued to plan for the eventual development of a Faculty of Dentistry. In 1910 the board proposed that a degree of Doctor of Dental Science, similar to the degree of Doctor of Medicine, be established in the University of Sydney. In 1920 the generosity of the McCaughey benefaction made possible the establishment of several new Faculties in the University, including a Faculty of Dentistry. The first meeting of the Faculty of Dentistry, at which seven members were present, was held on 8 July 1920, and Dr Fairfax Reading was elected first Dean.

The establishment of the Dental School and its later development as a Faculty owes much to the endeavours and the ability of Richard Fairfax Reading. Fairfax Reading, who held qualifications in medicine and dentistry from the Royal College of Surgeons in the United Kingdom, commenced practice as a dentist in Sydney in 1889 and, together with other dental colleagues and with Sir Thomas Anderson Stuart, had worked to create a dental school within the University of Sydney. He became the first part-time Director of Dental Studies and subsequently full-time director and then Professor of Dentistry. He was Dean of the Faculty from 1921 until his retirement in 1934. Fairfax Reading raised the standards of dentistry as a profession in New South Wales and firmly established dental undergraduate training in the University.

In the 1920s there was considerable concern in the Faculty about transferring the dental hospital to the main grounds of the University, preferably to be associated with the Royal Prince Alfred Hospital. Only an absence of funds prevented the Senate from adopting this proposal.

The degree of Bachelor of Dental Surgery of the University of Sydney was recognised by the General Medical Council of the United Kingdom for the purpose of registration in Great Britain and its colonies. In 1926 the Senate approved the introduction of the degree of Doctor of Dental Science, and in the following year the first degree was awarded. In 1934 Dr A. J. Arnott was appointed to the Chair of Dentistry following the retirement of Dr Fairfax Reading. Professor Arnott, who had previously been Superintendent of the United Dental Hospital, was elected Dean of the Faculty of Dentistry, a position he held until his retirement in 1964.

The Australian Dental Association, N.S.W. Branch, was established in 1927 with the active support of the Faculty of Dentistry and in 1928 the federal body, the Australian Dental Association, came into being.

In 1934 the Dentists Act was amended. The principal change was the abolition of a system of apprenticeship, which had allowed dentists to take apprentices or pupils in return for payment. The University of Sydney was now recognised as the only institution for training recognised dental practitioners in New South Wales.

The 1930s saw an increase of interest in dental research, and the N.S.W. and Commonwealth Governments provided funds to the Faculty for this purpose. In 1936 the Faculty resolved to extend the curriculum of four years for the BDS degree into a fifth year. The degree became a full five-year course in the 1960s following a visit of inspection by the General Dental Council of the United Kingdom.

In 1939 a new building was established for the Faculty of Dentistry within the United Dental Hospital. The postwar period saw an expansion of the activities of the United Dental Hospital. In 1946 a Director of the Departments of Pathology and Bacteriology at the Hospital was appointed. In the same year the Institute of Dental Research was established at the Hospital with the approval of the N.S.W. Government. The Institute, which was established to promote dental research, was based on the National Institute of Dental Research in Bethesda, Maryland, U.S.A. Dr N. E. Goldsworthy, Senior Lecturer in Bacteriology in the Faculty of Medicine, was appointed the first director.

In the 1940s the staff of the Faculty was considerably strengthened. In the early part of the decade three lecturers were appointed, and later three positions of senior lecturer were established in the fields of dental pathology (1947), preventive dentistry (1948) and operative dentistry (1948). Subsequently, in 1954 and 1955, three associate professors in these fields were appointed. An additional lecturer in operative dentistry was appointed in 1952. In 1947 the Postgraduate Committee in Dental Science was established, to promote and develop programs of continuing education for the dental profession.

In 1959 the Faculty established the Diploma in Public Health Dentistry. The degree of Master of Dental Science was established in 1964. This was the first full-time formal postgraduate degree in dentistry in Australia.

In 1961 the Senate resolved to establish three chairs in the Faculty, in the fields of prosthetic dentistry, operative dentistry, and preventive dentistry. Associate Professors Graham, Lyell and Martin were appointed to these chairs respectively. In 1964 Professor Arnott retired and Dr M. JoUy succeeded him as McCaughey Professor of Oral Surgery. Professor Arnott (1899-1973) had made a distinguished contribution to the development of the teaching of dentistry, to the planning and building of the United Dental Hospital and to the establishment of the Institute of Dental Research. He was succeeded by Professor Lyell as Dean of the Faculty. In 1970 Professor Martin became Dean of the Faculty, retiring in December 1988. Professor Hume was elected Dean in January 1989 and resigned in September 1990. Professor KUneberg was elected Dean to March 1992 and under a revised University policy became the first appointed Dean for a five-year term 1992 to 1996.

The 1970s were a period of concern about redevelopment of dental teaching and research facilities and revision of the undergraduate curriculum. The MGM Building adjoining the United Dental Hospital was purchased by the Health Commission of New South Wales with the financial support of the Australian Universities Commission, and was converted into faculties for the Faculty. Planning commenced for a second clinical school to be established in the Westmead Centre, a major new hospital complex in the western suburbs of Sydney (now known as Westmead Hospital). The Hospital was opened for medical patients in 1978 and accepted its first dental patients in 1980.

In line with developments in dental and health sciences education throughout the world, the Faculty embarked in 1970 on a review of its undergraduate curriculum. Radical changes were adopted and the first students were accepted into the new BDS course in 1978.

The Faculty of Dentistry of the University of Sydney is now the largest dental school in Australia. It has the most extensive postgraduate and continuing education programs. For many years the Faculty has been responsible for training dentists for those states in Australia and for neighbouring countries without dental schools. Dental graduates of many countries in Asia have undertaken their postgraduate studies at the University of Sydney over the last twenty-five years. Through the superior quality of its graduates and its postgraduate training and research, the Faculty has established a strong international reputation and has been responsible for promoting the highest standards of dental care in Australia.

In 1994 and 1997, new Faculty structures were introduced. There are no longer four Departments with Departmental Heads and Disciplines grouped within Departments. Instead, Disciplines within the Faculty have been identified, each under the general supervision of a Head of Discipline, with the Deputy Dean exercising some of the responsibilities normally assigned to Department Heads. Directors of Years are appointed to coordinate coursework for each year and Unit of Study Coordinators are responsible for individual units of study in each year.

In keeping with the principle of continuing evaluation and development, a complete review of the curriculum is currently in progress.

5. Undergraduate Degree Requirements

The BDS Degree Curriculum

In 1978 the Faculty of Dentistry introduced a five-year curriculum for the BDS degree. The course aims at providing a basic training for dentists and giving graduates a rational approach to the practice of dentistry in the light of existing knowledge, so that they may understand and use the new developments that they will later encounter in dental practice. Training for the practice of dentistry is a lifelong process, of which undergraduate study is only the first step. The object of the undergraduate course is to provide dental practitioners with the scientific basis for future studies and to equip them with sufficient skills to begin the practice of dentistry immediately after graduation.

The curriculum attempts to integrate the basic sciences and the preclinical, paraclinical and clinical components of the course. Students are introduced to clinical experience early in the course, and the coordination of units of study and disciplines is emphasised to enable them to identify with dentistry at the beginning of their studies and to prepare them for modern concepts of total oral health care. In line with current developments in health care education throughout the world, there is an emphasis on the behavioural sciences relating to dentistry and also on the practice of dentistry in a community health setting.

Whilst still retaining the best features of its traditional teaching the Faculty believes the curriculum will produce, at the end of five years, a graduate equipped to cope with dentistry as practised in the concluding years of the twentieth century, and prepared for the practice of dentistry in the twenty-first.

Regulations

The resolutions of the Senate governing the degrees of Bachelor of Dental Surgery and Bachelor of Science (Dental) are reproduced below.
Bachelor of Dental Surgery

1. (1) A unit of study shall consist of lectures, seminars or tutorials, together with such clinical and laboratory instruction or practical work, exercises or essays as may be prescribed by the Faculty.
(2) In these resolutions, the words 'to complete a unit of study' and derivative expressions mean:
 - (a) to attend all lectures, seminars or tutorials, and clinical and laboratory instruction;
 - (b) to complete satisfactorily the practical work, exercises or essays if any; and
 - (c) to pass the examinations in the unit of study.
2. (1) An examination shall be held for each of the prescribed units of study for the degree.
(2) At each examination a candidate may be required to give proof of the candidate's knowledge by practical or viva voce examinations, and the results of such tests may be taken into account in determining the results of the examinations.
3. A candidate for the degree shall, during the First Year, complete the following units of study:
 - (1) Physics
 - (2) Chemistry
 - (3) Biology
 - (4) Histology and Embryology
 - (5) Biochemistry
 - (6) Oral Anatomy and Oral Health
 - (7) Dental Technology.

4. A candidate for the degree shall, during the Second Year, complete the following units of study:
 - (1) Anatomy
 - (2) Biochemistry
 - (3) Histology
 - (4) Physiology
 - (5) Materials Science
 - (6) Tooth Conservation
 - (7) Removable Prosthodontics (Preclinical)
 - (8) Oral Health
 - (9) Professional Communication.
5. A candidate for the degree shall, during the Third Year, complete the following units of study:
 - (1) Infectious Diseases
 - (2) Pathology
 - (3) Tooth Conservation
 - (4) Removable Prosthodontics
 - (5) Periodontics
 - (6) Oral Biology
 - (7) Oral Diagnosis and Radiology
 - (8) Occlusion
 - (9) Endodontics
 - (10) Fixed Prosthodontics
 - (11) Pharmacology
 - (12) Oral Surgery (Local Anaesthesia and Exodontia)
 - (13) Orthodontics.
6. A candidate for the degree shall, during the Fourth Year, complete the following units of study:
 - (1) Tooth Conservation
 - (2) Fixed Prosthodontics
 - (3) Endodontics
 - (4) Removable Prosthodontics
 - (5) Preventive Dentistry
 - (6) Oral Surgery
 - (7) Oral Pathology and Oral Medicine
 - (8) Surgery
 - (9) Pharmacology and Therapeutics
 - (10) Anaesthesia (Local and General)
 - (11) Oral Diagnosis and Radiology
 - (12) Periodontics
 - (13) Paediatric Dentistry
 - (14) Orthodontics.
7. A candidate for the degree shall, during the Fifth Year, complete the following units of study:
 - (1) Oral Surgery
 - (2) Clinical Dentistry
 - (3) Electives
 - (4) Ethics and Professional Responsibility
 - (5) Systemic Pathology.

8. Except by permission of the Dean of the Faculty, no candidate shall be allowed to sit for any yearly examination unless the requirements as specified by the Faculty for that year have been completed.
 9. Except with the permission of the Faculty, no candidate shall be permitted to enrol in any units of study prescribed for the Second or subsequent Years of candidature unless that candidate has completed all the requirements of the previous Year as specified by the Faculty for that Year.
 10. Candidates who have completed all units of study for the degree to the satisfaction of the Faculty may be recommended to the Senate for the degree of Bachelor of Dental Surgery.
 11. Except with the permission of the Faculty, all requirements for the degree shall be completed within nine calendar years from the date of first enrolment in the Faculty.
 12. First Class or Second Class Honours may be awarded at graduation.
 13. If a candidate graduates with First Class Honours and the Faculty is of the opinion that the candidate's work is of sufficient merit, that candidate shall receive a bronze medal.
 14. A candidate who had been enrolled for the degree of Bachelor of Dental Surgery but has not re-enrolled for a period of one year shall complete the requirements for the degree under such conditions as the Faculty may determine.
 15. Where a unit of study for the degree is no longer available, a candidate shall complete instead such other unit or units of study as the Faculty may by resolution prescribe.
2. A candidate for the degree of Bachelor of Dental Surgery who-
 - (a) has completed the units of study of the Third Year or the Fourth Year for the degree,
 - (b) has shown special merit in those studies, and
 - (c) is considered by the Head of the appropriate Discipline/ Department, or the Professor or other member of the teaching staff most concerned, a suitable candidate for advanced study and research,
 may be permitted by the Faculty to interrupt candidature for the degree and undertake an approved course of advanced study and research within the Faculty.
 3. A person who-
 - (a) has qualified for the award of the degree of Bachelor of Dental Surgery of the University of Sydney,
 - (b) has shown special merit in those studies, and
 - (c) is considered by the Head of the appropriate Discipline/ Department, the Professor or other member of the teaching staff most concerned, a suitable candidate for advanced study and research,
 may be permitted by the Faculty to undertake, during the year immediately following that in which the candidate qualified for the award of the degree of Bachelor of Dental Surgery, an approved course of advanced study and research within the Faculty.
 4. On completion of the course, the candidate may be recommended by the Faculty for the award of the degree of Bachelor of Science (Dental).

5. (1) The degree shall not be awarded before the completion of the units of study of the Third Year of the degree of Bachelor of Dental Surgery.
- (2) The degree shall only be awarded with Honours.
- (3) There shall be three classes of Honours, namely Class I, Class II and Class III.
- (4) If a candidate graduates with First Class Honours and the Faculty is of the opinion that the candidate's work is of sufficient merit, that candidate shall receive a bronze medal.

Bachelor of Science (Dental)

1. A candidate for the degree of Bachelor of Dental Surgery who-
 - (a) has shown exceptional merit in the entry qualification(s) for the degree, or in the units of study of the degree,
 - (b) is considered by the Head of Discipline/Department, or the Professor or other member of the teaching staff most concerned, a suitable candidate for advanced study and research,

may be permitted, with the special permission of the Dean, to undertake an approved course of advanced study and research within the Faculty, concurrently with their enrolment in the degree. The course of advanced study and research shall, except with the permission of the Faculty, be completed in not less than three years.

6. Units of Study Descriptions

Note: Units of study and arrangements for units of study, including staff allocated, as stated in any publication, announcement or advice of the University are an expression of intent only and are not to be taken as a firm offer or undertaking. The University reserves the right to discontinue or vary such units of study, arrangements or staff allocations at any time without notice.

Curriculum

The description of units of study below follows the sequence given in resolutions of the Senate 3-7 in Chapter 5 of this handbook. The arrangement is by years. All students take all units of study in proceeding to the BDS degree.

Recommended books for units of study

Changes sometimes occur in the selection of prescribed textbooks, or reference books, owing to supply difficulties, or the publication of new and more suitable works. Such changes will be announced by lecturers and it is prudent to check with the relevant lecturer before buying the books you expect to need.

First Year

Assumed knowledge: 2-unit course in Mathematics and two of 2-unit courses in Biology, Chemistry and Physics.

First Year courses are held on the University Camperdown campus and at the United Dental Hospital.

DENT 1007 Physics

8 credit points

Teacher/Coordinator: Dr Juris Ulrichs

When Offered: March Semester

Classes: 3 lectures, 1 tutorial and 3 practicals per week.

Assessment: One 3 hour exam, continuous in laboratory.

Physics for Dentistry is a one-semester unit of study. Topics include mechanics, properties of matter, thermal physics, electricity, light and radiation. The laboratory course includes practical electricity, geometrical optics and experimental method.

Textbooks:

Kane, J W and Sternheim, M M, Physics, 3rd edn, John Wiley, 1988
Physics 1 Laboratory Handbook and Experiment Notes, School of Physics, 1996

CHEM 1403 Chemistry

8 credit points

Teacher/Coordinator: Dr Raymond Pierens

When Offered: March Semester and July Semester

Classes: 41 Inorganic and Physical and 27 Organic lectures, ten 3 hour practicals and 27 tutorials

Assessment: Exams at end of each semester, laboratory exercises and quizzes in March semester.

This is the School of Chemistry's Chemistry ILS unit of study. It is designed for the student who requires a good general grounding in chemistry for the subsequent study of subjects such as biochemistry, physiology and dental materials. It covers chemical theory, inorganic, physical, and organic chemistry with many examples from biological areas. Full details are available from the Chemistry School. Students are advised at the beginning of the year about other factors contributing to assessment for the unit of study.

Textbooks:

Students should obtain a booklist from the School during the orientation period.

DENT 1005 Histology and Embryology

4 credit points

Teacher/Coordinator: Dr Anne Swan

When Offered: July Semester

Classes: 1 lecture and 2 practicals per week

Assessment: One 1 hour theory exam, one 1 hour practical exam, practical books may be assessed.

The histology unit of study begins in Semester 2 and provides a general grounding in histology to serve as a basis for understanding the clinical components of the course such as oral biology and pathology and to combine with other preclinical subjects to provide an understanding of the human body in health and disease. In First Year the morphology of cells and tissues is considered in a course consisting of one lecture and one two-hour practical period per week. Each practical session is preceded by a slide tutorial demonstration.

The practical classes are problem-oriented and require the student to work from microscope slides, textbook and lecture material to complete exercises in their practical books. Purchase of the recommended textbook, 3rd edn (1995), is essential as exercises in the practical books refer to numbered pages in this text.

(See under Second Year for details of the continuation of this unit of study.)

Textbooks:

Ross, M H et al., Histology: a Text and Atlas, 3rd edn, Williams & Wilkins, 1995

DENT 1002 Biology

7 credit points

Teacher/Coordinator: Dr Susan Franklin

When Offered: March Semester

Classes: 3 lectures and 4 practicals per week

Assessment: One 3 hour exam, one 1.5 hour practical exam, assignment, practical class work.

This unit of study (Biology for Dentistry) provides an introduction to cell structure and function, tissue structure and function, mammalian anatomy and physiology (with particular reference to humans), microbiology and genetics. There are 35 lectures and 13 four-hour laboratory sessions.

Textbooks:

Solomon, E P et al., Human Anatomy and Physiology, 2nd edn, Saunders College Publishing, 1990

Notes to accompany lectures will be issued as appropriate. Laboratory notes should be obtained from the Carlslaw Building during the week before lectures begin. Further details are contained in the booklet Information for Students in First Year Biology which is available at enrolment from the Faculty of Dentistry office.

DENT 1001 Biochemistry

3 credit points

Teacher/Coordinator: Dr Michael Thomas

When Offered: July Semester

Classes: 3 lectures per week and 5 tutorials

Assessment: One 0.5 hour exam (mid-semester), one 3 hour exam

The unit of study provides a sound, basic introduction to general mammalian biochemistry. Dental aspects, including associated microbial aspects, are emphasised and their relevance to other units of study in the Faculty is stressed.

The topics include the chemistry, conformation and dynamics of cell components with particular reference to proteins, enzymes, nucleic acids and membrane lipids. This is followed by an important section on the storage, transmission and expression of genetic information.

Textbooks:

Kuchel, P W and Ralston, G B, Schaum's Theory and Problems of Biochemistry, 2nd edn, McGraw-Hill, 1997; OR

Elliott, W H and Elliott, D C, Biochemistry and Molecular Biology, Oxford, 1997; OR

Stryer, L, Biochemistry, 4th edn, Freeman, 1995

Preliminary reading

Rose, S P R, The Chemistry of Life, 3rd edn, Penguin, 1991

DENT 1006 Oral Anatomy and Oral Health

6 credit points

Teacher/Coordinator: Dr Carole Price and others

When Offered: March Semester and July Semester

Classes: 2 lectures and 1 tutorial per week.

Assessment: One 1.5 hour exam in March Semester, two 1.5 hour exams in July Semester, four assignments (total equivalent to 3000 words).

A unit of study integrating dental anatomy, introductory general anatomy and oral health and disease concepts. Lectures provide basic terminology and theory and this is practically related in tutorial sessions ranging from tooth morphology, practical oral hygiene concepts and basic CPR techniques to introductory clinical examination and identification techniques. Clinical sessions introduce students to clinical history-taking and examination techniques, identification of supragingival dental deposits on teeth, correct operator and patient positioning for clinical treatment, and infection control procedures.

English comprehension and communication skills are assessed in this unit of study. Unsatisfactory performance in this component of the unit of study will require remedial action, and help from trained staff will be provided where necessary. The importance of communication skills in dentistry necessitates achievement of a pass standard in this component of the unit of study.

Textbooks:

Reference books

Berkovitz, B K B et al., A Colour Atlas and Text of Oral Anatomy, Histology and Embryology, 2nd edn, Wolfe Publishing Ltd, 1992

Romaniuk, K and Kruger, B T, Anatomy of the Human Skull, Jaws, Teeth and Muscles of Mastication, University of Queensland, 1989

Scott, J H and Symons, N B B, Introduction to Dental Anatomy, 7th edn, Churchill Livingstone, 1974

Woelfel, J B and Scheid, R C, Dental Anatomy: its Relevance to Dentistry, 5th edn, Williams & Wilkins, 1997

DENT 1004 Dental Technology

12 credit points

Teacher/Coordinator: Dr Carole Price

When Offered: March Semester and July Semester

Classes: 1 lecture and 4 practicals per week in March Semester; 1 lecture and 3 practicals per week in July Semester.

Assessment: One 1.5 hour theory exam in July Semester, one 3.5 hour practical exam per semester.

Students will learn basic theory and skills of dental technology in preparation for later units of study in preclinical and clinical dentistry. Lectures provide basic theory and terminology concerning the composition, manipulation and use of a wide range of dental materials, and also the theory of construction of a range of dental appliances. This is practically related in laboratory sessions ranging from construction of dental appliances to reconstruction of tooth form using wax casting techniques.

Included as a component of Dental Technology is an introductory program in Preclinical Tooth Conservation. This second semester course of lectures and practical sessions is co-ordinated by staff from the Discipline of Tooth Conservation. The aim of this program is to introduce students to basic instruments and techniques used in clinical dentistry, including the high and low speed handpiece. Students are encouraged to develop the fine motor skills necessary for the preparation of cavity forms in teeth. In addition, practical exercises are undertaken which assist in an understanding of dental caries and dental restorative materials.

Textbooks:

Combe, E C, Notes on Dental Material, 6th edn, Livingstone, 1992

Price, C A, A Laboratory Manual for Dental Technology, 5th edn, Personalised Arty Facts, 1998

Second Year

Second Year units of study are held on the University Camperdown campus and at the United Dental Hospital.

DENT 2001 Anatomy

12 credit points

Teacher/Coordinator: Dr Fiona Stewart

When Offered: March Semester and July Semester

Classes: 3 lectures and 6 practicals/tutorials per week in March Semester; 3 lectures and 3 practicals per week in July Semester.

Assessment: One 1 hour theory exam per semester, and one 1 hour practical exam per semester, student feedback and viva voce assessments throughout each semester.

This unit of study provides Dentistry students with their fundamental training in anatomy and neuroanatomy of the head, neck and thorax and with skills of dissection relevant to their later surgical training. Lectures are integrated with the dissections. Emphasis is given to particular areas of dental anatomy which are clinically relevant.

During the year, lectures focused on special areas on dental anatomy are given, e.g. anatomy and function of the jaw in mastication; neuroanatomy of temporomandibular pain mechanisms; and radiological anatomy (plain, CT and MRI) of head and neck.

Individual problem-solving, small group self-directed learning, and interactive problem-solving discussion of clinical and anatomically related issues are encouraged in the dissection classes which are conducted under the highest standards of hygiene and respect for the cadaver.

Students must acquire a good quality human skull and specimens of permanent and deciduous teeth.

Textbooks:

Barr, M L and Kiernan, J A, The Human Nervous System: an Anatomical Viewpoint, 6th edn, Lippincott, 1993

Johnson, D R and Moore, W J, Anatomy for Dental Students, 3rd edn, Oxford University Press, 1997

Romanes, G J, Cunningham's Manual of Practical Anatomy, Vol. 3, Head, Neck and Brain, Oxford Med. Publications, 1987

Stone, J et al., The Neuroanatomist's Colouring Book, Maitland Publications, 1981; PLUS

Netter, F H, Atlas of Human Anatomy, Novartis; OR

McMinn, R M H et al., A Colour Atlas of Human Anatomy, Wolfe Med. Publications, 1995

Reference books

Netter, F H, Interactive Atlas of Clinical Anatomy, CD ROM Macintosh or Windows, Novartis, 1997

Williams, PL, Gray's Anatomy, 38th edn, Churchill Livingstone, 1995

DENT 2002 Biochemistry

4 credit points

Teacher/Coordinator: Dr Michael Thomas

When Offered: March Semester and July Semester

Classes: 2 lectures per week in March Semester and four 5 hour practicals; 2 lectures per week in July Semester.

Assessment: One 2 hour exam per semester, one 0.5 hour theory of prac exam in March Semester.

The course of lectures with a small practical component builds on the topics taught in First Year. In March Semester basic intermediary metabolism is described, followed in July Semester by the biochemistry of specialised tissues including blood, connective tissue, bone, teeth and sali va. The unit of study is completed with a section on biochemical aspects of nutrition. The emphasis during this semester is on applied and dental aspects of biochemistry.

Textbooks:

Kuchel, P W and Ralston, G B, Schaum's Theory and Problems of Biochemistry, 2nd edn, McGraw-Hill, 1997; OR

Elliott, W H and Elliott, D C, Biochemistry and Molecular Biology, Oxford, 1997; OR

Stryer, L, Biochemistry, 4th edn, Freeman, 1995

Reference books

Alberts, B et al., Molecular Biology of the Cell, 3rd edn, Garland, 1995

Cole, A S and Eastoe, J E, Biochemistry and Oral Biology, 2nd edn, Wright, 1988

Smith, E L et al., Principles of Biochemistry, 7th edn, Mammalian Biochemistry, McGraw-Hill, 1983

Truswell, A S, ABC of Nutrition, 2nd edn, BMA, 1992

Williams, R A D and Elliott, J C, Basic and Applied Dental Biochemistry, 2nd edn, Churchill Livingstone, 1989

DENT 2003 Histology

6 credit points

Teacher/Coordinator: Dr Anne Swan

When Offered: March Semester and July Semester

Classes: 1 lecture and 2 practicals per week in March Semester; 2 lectures and 3 practicals per week in July Semester.

Assessment: One 1 hour theory exam per semester, one 1 hour practical exam per semester; practical books may be assessed.

During March Semester the groundwork laid in First Year is extended to include the morphology of organ systems in a unit of study consisting of one lecture and one two-hour practical period per week. This semester includes six lectures and two hours of practical work on embryology.

July Semester is devoted to oral histology, dealing with the histology of teeth, bone, the temporomandibular joint and other tissues of special relevance to dental practice. There are two lectures per week and one three-hour practical per week in July Semester. Each practical session is preceded by a slide tutorial demonstrating the special dental slides.

Textbooks:

March Semester

Ross, M H et al., Histology: a Text and Atlas, 3rd edn, Williams & Wilkins, 1995

July Semester

Ten Cate, A R, Oral Histology. Development Structure and Function, 4th edn, Mosby, 1994

DENT 2006 Physiology

6 credit points

Teacher/Coordinator: Dr Miriam Frommer

When Offered: March Semester and July Semester

Classes: 3 lectures and 2 tutorials/practicals per week

Assessment: One 3 hour exam per semester, one essay per semester, oral and written tests on practical class work

The unit of study provides a general account of physiology and covers most systems of the body. Emphasis is placed on topics particularly related to dentistry wherever possible.

Textbooks:

Rhoades, R and Pflanzner, R, Human Physiology, 3rd edn, Saunders College Publishing, 1996; OR

Berne, R M and Levy, M N, Principles of Physiology, Mosby, 1990

DENT 2004 Materials Science

1 credit point

Teacher/Coordinator: Prof Michael Swain

When Offered: July Semester

Classes: 2 lectures per week

Assessment: One 2 hour exam, one assignment

Lectures are given throughout the semester on the relation between structure and properties of metallic alloys, polymer composites and ceramics, with special reference to their use as dental materials; and on the principles of adhesion and dental adhesives.

Textbooks:

Combe, E C, Notes on Dental Materials, 6th edn, Livingstone, 1992

Reference books

Ashby, M F and Jones, D R H, Engineering Materials I and II, Pergamon, 1991

Craig, R G, Restorative Dental Materials, Mosby, 1990

McCabe, J F, Applied Dental Materials, Blackwell

Phillips, R W, Skinner's Science of Dental Materials, 9th edn, Saunders College Publishing, 1991

Schlenker, B R, Introduction to Materials Science, Jacaranda Press

DENT 2008 Tooth Conservation

6 credit points

Teacher/Coordinator: Prof Roland Bryant, Dr Mary Moss, Dr Wymin Yuen and others

When Offered: March Semester and July Semester

Classes: 2 lectures and 3 practicals per week in March Semester; 1 lecture and 3 practicals per week in July Semester.

Assessment: One 3 hour exam in March Semester, one 2 hour exam in July Semester, two 2.5 hour practical exams per semester

Tooth Conservation is concerned with the restoration of lost tooth structure and the maintenance of the health of teeth, supporting tissues and occlusion. Students are required to restore lesions and defects, in plastic tooth models and in extracted natural teeth, working in a clinical simulation facility located at the United Dental Hospital.

The Second Year unit of study consists of lectures and practical classes on the nature of dental caries and its conservative management and on the principles of restoration of simple defects in the structure of teeth.

Textbooks:

Craig, R G, Restorative Dental Materials, Mosby, 1990

Pitt Ford, T R, The Restoration of Teeth, Blackwell, 1992

DENT 2007 Removable Prosthodontics (Preclinical)

8 credit points

Teacher/Coordinator: Dr Greg Murray

When Offered: March Semester and July Semester

Classes: 1 lecture and 3 practicals per week in March Semester; 2 practicals/seminars per week in July Semester.

Assessment: One 2 hour exam in July Semester, three 2 hour practical exams, class work

Prosthodontics is the branch of dentistry that involves the restoration of lost teeth and supporting structures and the preservation of the remaining teeth and tissues and the occlusion.

This is a one-year preclinical unit of study involving lectures, practical exercises and seminars on the principles of design and construction of partial and complete dentures. Topics covered include: principles of partial and complete denture design, related dental anatomy, and clinical and laboratory techniques in partial and complete denture construction.

Textbooks:

Lechner, S K and Thomas, C J, *Partial Denture Construction: A Manual of Clinical and Laboratory Procedures*, 5th edn, University of Sydney, 1991

Reference books

Combe, E C, *Notes on Dental Materials*, 6th edn, Livingstone, 1992

Lechner, S K and MacGregor, A R, *Removable Partial Prosthodontics: A Case-oriented Manual of Treatment Planning*, Mosby Year Book, Europe, 1994

Miller, E L and Grasso, J E, *Removable Partial Prosthodontics*, 3rd edn, Mosby, 1991

Phillips, R W, *Skinner's Science of Dental Materials*, 9th edn, Saunders College Publishing, 1991

DENT 2005 Oral Health

5 credit points

Teacher/Coordinator: Dr Catherine Groenlund

When Offered: March Semester and July Semester

Classes: 1 lecture and 3 tutorials/practicals per week.

Assessment: One 2 hour exam in July Semester, continuous clinical, project, survey, case presentation.

This is a preclinical and clinical unit of study designed to introduce the students to patient management. The aims and objectives are:

- to introduce and review current methods of plaque control and strategies in developing, implementing and assessing plaque control programs;
- to promote an awareness of the importance of effective communication skills;
- to instruct students in the basic skills of: clinical assessment of periodontal health status of patients; detection of supragingival dental deposits on tooth surfaces and oral appliances; mechanical removal of the deposits; art of making clinical observations of host response in the healing of gingival tissues; provision of oral hygiene instruction, fluoride treatments and fissure sealants; and rubber dam application;
- to ensure the students are fully conversant with infection control procedures in the practice of dentistry;
- to provide an introduction to community dental health issues.

Textbooks:

Reference books

Adler, R B et al., *Interplay. The Process of Interpersonal Communication*, 4th edn, Saunders College Publishing, 1989

Frandsen, A, *Mechanical Oral Hygiene Practices State-of-the Science Review (Chapter 4)*; from *Dental Plaque Control Measures and Oral Hygiene Practices*, eds Loe, H and Kleinman, D V, Oxford, 1986

Lindhe, J, *Textbook of Clinical Periodontology*, 2nd edn, Munksgaard, 1989

Weinstein, P et al., *Oral Self-care: Strategies for Preventive Dentistry*, 3rd edn, University of Washington Continuing Dental Education, 1991

DENT 2005 Professional Communication

Teacher/Coordinator: Dr Catherine Groenlund

When Offered: March Semester and July Semester

Classes: see Oral Health

Assessment: Continuous clinical, two reports, two oral presentations

This subject is integrated into the Oral Health unit of study in Second Year.

Competent clinical and professional communication skills are developmental and essential for the provision of quality patient management. The importance of effective communication skills is addressed and opportunities are provided for students to develop these skills in a clinical environment.

Topics covered include interviewing skills, writing professional reports, and oral presentation skills.

Third Year

University Camperdown campus: Infectious Diseases, Pathology.

United Dental Hospital: all other Third Year units of study.

DENT 3003 Infectious Diseases

5 credit points

Teacher/Coordinator: A/Prof Raymond Kearney and others

When Offered: March Semester

Classes: 4 lectures per week, twenty-six 2 hour practicals/tutorials

Assessment: One 3 hour exam, one 1 hour practical exam, skills and MCQ tests, assignments.

A unit of study of 52 lectures and 26 practical classes is given during the March Semester. Approximately 24 hours are devoted to self-directed learning by students where the format consists of essay topics and student-presented tutorials on set topic assignments.

The unit of study deals with the principles governing the mechanisms of microbial infection and pathogenicity and aims to give the student an attitude towards infection and pathogenicity that will be relevant whatever the nature of the infectious agent and whatever type of infectious disease.

Textbooks:

Mims, C A et al., *Medical Microbiology*, Mosby Europe, 1993

DENT 3009 Pathology

5 credit points

Teacher/Coordinator: Dr John Gibbins

When Offered: March Semester

Classes: 2 lectures and 4 practicals per week.

Assessment: One 1.5 hour assessment (in mid-semester break), one 2.5 hour exam.

The first component of a two-semester course in general and systemic pathology is taught in the Department of Pathology on the Camperdown campus. Two lectures and two slide classes per week cover general principles underlying pathological processes in cells and tissues. Emphasis is on general principles but pathological processes are illustrated with material from oral and paraoral tissues wherever possible. The second component (on systemic pathology) is taught in Fifth Year.

Textbooks:

Cotran, R S et al. *Pathological Basis of Disease*, 5th edn, Saunders, 1994

DENT 3013 Tooth Conservation

5 credit points

Teacher/Coordinator: Dr Ward Massey, Dr Danny Low and others

When Offered: March Semester and July Semester

Classes: 1 lecture and 3 clinics per week

Assessment: One 1 hour exam per semester, one 1 hour slide exam in July Semester, two 2 hour practical exams in July Semester, clinical work.

The unit of study provides experience in the clinical care of patients who require simple counselling for tooth conservation or simple restoration of coronal tooth structure. The lectures and practical classes add to the knowledge and skill required to provide such care.

The unit of study includes a 12 hour segment on behavioural science (in co-ordination with the Faculty of Medicine) to improve the students' ability in patient management skills.

Textbooks:

Pitt Ford, T R, *The Restoration of Teeth*, Blackwell, 1992

DENT 3012 Removable Prosthodontics

5 credit points

Teacher/Coordinator: A/Prof Cyril Thomas

When Offered: March Semester and July Semester

Classes: 9 lectures and 33 practicals/clinics in March Semester; 5 lectures, 2 tutorials and 39 practicals/clinics in July Semester.

Assessment: One 2 hour exam in March Semester, one 3 hour exam in July Semester, practical and clinical classwork.

The unit of study consists of two semesters of lectures, seminars and clinical and practical classes. Students examine and treat patients who require partial dentures, and under close supervision they carry out the clinical and laboratory stages in the construction of these prostheses.

The didactic aspects of the unit of study are provided through lectures. Seminars and group activities provide a less formal setting for interchange of ideas on selected topics. Emphasis is placed on partial dentures which maintain the integrity of the remaining oral structures through a rational approach to their design.

In addition, students attend the Special Prosthetics Clinic at the United Dental Hospital to gain an introduction to the practical/clinical aspects of treating complete denture patients.

Textbooks:

Lechner, S K and Thomas, C J, Partial Denture Construction: A Manual of Clinical and Laboratory Procedures, 5th edn, University of Sydney, 1991

Reference books

Combe, E C, Notes on Dental Materials, 6th edn, Livingstone, 1992

Lechner, S K and MacGregor, A R, Removable Partial Prosthodontics: A Case-oriented Manual of Treatment Planning, Mosby-Wolfe, 1994

DENT 3010 Periodontics

5 credit points

Teacher/Coordinator: Dr Cheryl Chappie

When Offered: March Semester and July Semester

Classes: 20 lectures, and 3 tutorials/practicals per week.

Assessment: One 2 hour exam in July Semester, one 2.5 hour practical exam in July Semester, continuous clinical, two case presentations, one 1500 word essay.

This unit of study is designed to:

- introduce the current concepts of the aetiology and pathogenesis of gingivitis and chronic inflammatory periodontal disease (CIPD);
- provide a rationale for current clinical practices in the treatment of gingivitis and CIPD;
- introduce and review the current methods of plaque control and the strategies in developing plaque control programs;
- instruct students in the clinical skills of: assessment of the periodontal health status of patients (diagnosis); developing a comprehensive treatment plan for patients with periodontal conditions; the detection of dental deposits on tooth and root surfaces; the mechanical removal of the deposits (scaling); the mechanical preparation of diseased root surfaces in order to promote healing (root planing); assessment of host response in the healing of gingival and periodontal tissues; and evaluation of effectiveness of initial periodontal therapy.

Textbooks:

Lindhe, J, Textbook of Clinical Periodontology, 2nd edn, Munksgaard, 1989

Reference books

Genco, R J, Contemporary Periodontics, Mosby, 1990

Rateitschak, K H et al., Color Atlas of Dental Medicine 1. Periodontology, 2nd edn, Thieme, 1989

DENT 3005 Oral Biology

1 credit point

Teacher/Coordinator: Dr Nick Jacques and others

When Offered: March Semester and July Semester

Classes: 4 lectures and four 2 hour practicals in March Semester; 3 lectures per week in July Semester.

Assessment: One 3 hour exam in July Semester.

A series of 39 lectures is given on aspects of plaque ecology, dental caries, periodontal diseases, other diseases caused by oral organisms, and oral immunology. Plaque ecology is discussed in terms of the localisation of bacteria, interaction between bacteria, the contribution of saliva and dietary components to plaque formation, and properties of bacteria in relation to cell structure. Topics on dental caries include biochemistry of the tooth, structure and histopathology of the carious lesion, role of specific bacteria in dental caries, metabolism of carbohydrates (particularly sucrose) by cariogenic bacteria, the molecular basis for caries prevention, and the fluoride-dental caries relation and dental fluorosis. Periodontal diseases are discussed in the context of the role of specific organisms and the biological activities of their components, biochemistry of connective tissue including osseous response to implants, immunological aspects of periodontal disease in the control of tissue damage and stability or progression of the lesion, and the development of rational means of control. Other diseases involving oral organisms that will be discussed are pulpitis, candidiasis and endocarditis.

Textbooks:

Marsh, P and Martin, M, Oral Microbiology, 3rd edn, Chapman & Hall, 1992

Reference books

Brock, TD et al., Biology of Microorganisms, 7th edn, Prentice-Hall, 1994

Roitt, I, Essential Immunology, 9th edn, Blackwell, 1997

Roitt, I and Lehner, T, Immunology of Oral Diseases, 3rd edn, Blackwell, 1992

DENT 3006 Oral Diagnosis and Radiology

2 credit points

Teacher/Coordinator: Dr Malcolm Coombs and others

When Offered: March Semester and July Semester

Classes: 14 lectures and 3 practicals in March Semester; 13 lectures and 9 practicals in July Semester.

Assessment: Two 3 hour exams in July Semester.

This unit of study is an introduction to dento-maxillo-facial radiology and oral diagnosis and treatment planning.

It covers the basic theoretical aspects of radiology: types of apparatus, production and characteristics of x-rays, radiation biology, films and film processing, precautions, quality assurance procedures, radiographic techniques, film interpretation and radiographs as diagnostic aids. Limited experience is gained in practical radiography in the clinic.

An introduction is given to the procedures used in the examination and systematic analysis of problems in oral health care. Topics included are patient examination procedures, recording data, history taking, signs and symptoms of abnormality, diagnostic aids, epidemiology of oral conditions, genetics in dentistry, abnormalities in dentition development, and principles and models in treatment planning.

Examinations are taken separately in oral diagnosis and dento-maxillo-facial radiology; a pass must be obtained in both to pass the unit of study.

Textbooks:

Bricker, S L et al., Oral Diagnosis, Oral Medicine and Treatment Planning, Lea & Febiger, 1994

Goaz, P W and White, S C, Oral Radiology: Principles and Interpretation, Mosby, 1994

Langland, O E et al., Panoramic Radiology, 2nd edn, Lea & Febiger, 1989

DENT 3004 Occlusion

3 credit points

Teacher/Coordinator: Dr Anthony Au and others

When Offered: March Semester and July Semester

Classes: 9 lectures, 9 tutorials and 5 practicals in March Semester; 9 lectures in July Semester.

Assessment: One 3 hour exam in July Semester, class work, assignment.

This is a preclinical and clinical unit of study designed to study aspects of the human stomatognathic system. The practical program integrates the anatomical, physiological and histological information related to this system, with that presented in the basic units of study in Second Year. The following information will be included:

- application of techniques commonly used in clinical treatment for determining maxillo-mandibular relationships including jaw posture and different tooth contact positions, and the transfer of this information to an articulator for the analysis of study casts;
- the study of tooth morphology and the interrelationships at tooth contact for young healthy dentitions contrasted with changes in the dentition with age and the presence of malocclusions.

The clinical component requires students to work in pairs and carry out a comprehensive orofacial examination and occlusal analysis. A co-ordinated series of lectures and clinical sessions emphasising the pathophysiology of the stomatognathic system and relating the following is given:

- clinical techniques of recording and verifying jaw recording;
- clinical occlusal analysis including clinical assessment of TM joints, and jaw and cervical muscles;
- the clinical application of occlusal adjustment procedures;
- the appreciation of current literature on occlusion;
- the supervised examination of patients presenting with orofacial pain, emphasising aspects of diagnosis and treatment planning.

Textbooks:

Ash, M H and Ramfjord, S P, An Introduction to Functional Occlusion, Saunders, 1982

Dubner, R et al., The Neural Basis of Oral and Facial Function, Plenum Press, 1978

Klineberg, I J, Occlusion: Assessment and Diagnosis, Wright, 1991

Klineberg, I J, Craniomandibular Disorders and Orofacial Pain: Diagnosis and Management, Wright, 1991

Ramfjord, S P and Ash, M H, Occlusion, 4th edn, Saunders, 1994

DENT 3001 Endodontics

5 credit points

Teacher/Coordinator: Adjunct A/Prof John Mayne and others

When Offered: March Semester and July Semester

Classes: 1 lecture and 1 practical per week.

Assessment: One 1 hour exam per semester, preclinical work.

The unit of study comprises lecture and preclinical practical classes on the nature of pulpal and periapical disease and its treatment in anterior and posterior teeth. Working under conditions that simulate the clinical environment, endodontic treatment is carried out in extracted teeth.

Textbooks:

Walton, R and Torabinejad, M, Principles and Practice of Endodontics, 2nd edn, Saunders, 1996

DENT 3002 Fixed Prosthodontics

5 credit points

Teacher/Coordinator: Dr Jim Ironside

When Offered: July Semester

Classes: 1 lecture per week.

Assessment: One 1 hour exam/sem

The unit of study comprises a series of lectures on the restoration of defects in tooth structure using indirect technology. Emphasis is given to the indications for full crown preparations, inlays and onlays, fixed partial dentures, impression techniques, resin-bonded and conventionally luted technologies and temporisation. An introduction to single tooth implant systems will also be given.

Textbooks:

Shillingburg, HT, Fundamentals of Tooth Preparations, Quintessence, 1987

Smith, B G N, Planning and Making Crowns and Bridges, Methuen, 1986

Rosenstiel, S F et al., Contemporary Fixed Prosthodontics, 2nd edn, Mosby, 1995

DENT 3011 Pharmacology

1 credit point

Teacher/Coordinator: Dr Hilary Lloyd and others

When Offered: July Semester

Classes: 1 lecture per week

Assessment: One 1.5 hour exam, two assignments.

This unit of study, consisting of 10 lectures and 2 problem-solving sessions, aims to provide students with a general understanding of the principles of pharmacology and drug use in medicine, and a more detailed understanding of drug use in dentistry. Introductory lectures deal with drug-receptor interaction, and drug absorption, distribution, metabolism and excretion. Also, drug formulation, compliance and routes of drug administration are discussed. Thereafter, the unit of study covers autonomic pharmacology and drugs used to treat allergy, inflammation and asthma. The problem-solving sessions will cover drugs used in emergencies and respiratory drugs.

Textbooks:

Neal, M J, Medical Pharmacology at a Glance, 3rd edn, Blackwell Scientific Publications, 1997

Reference book

Cawson, R A et al., Basic Pharmacology and Clinical Drug Use in Dentistry, 6th edn, Churchill Livingstone, 1995

DENT 3007 Oral Surgery (Local Anaesthesia and Exodontia)

5 credit points

Teacher/Coordinator: Local Anaesthesia: Dr Peter Mouser and others; Exodontia: Dr Deborah Cockrell and others

When Offered: Local Anaesthesia: March Semester; Exodontia: July Semester

Classes: Local Anaesthesia: 10 lectures, 3 tutorials and 3 practicals; Exodontia: 15 lectures, 12 practicals and 12 tutorials.

Assessment: Local Anaesthesia: one 1 hour exam; Exodontia: one 2 hour exam

Local Anaesthesia

The teaching in Local Anaesthesia is a continuum through Third, Fourth and Fifth Years. The introductory part of this course in local anaesthesia extends over several days in March Semester. This part of the unit of study consists of an integrated series of lectures together with clinical demonstration and practice. The contents cover the history and development of the subject, applied anatomy, asepsis, local anaesthetic drugs, and techniques for the various regional anaesthetic injections for the second and third divisions of the trigeminal nerve. Further clinical experience and teaching continues throughout the remainder of the Fourth and Fifth Years.

Exodontia

In July Semester, an intensive introductory course in the practice of exodontia is given as part of the oral surgery strand throughout Third, Fourth and Fifth Years. Topics covered by lectures, tutorials and practical demonstrations include patient assessment, the philosophy of surgical cleanliness, universal precautions, treatment planning, techniques for the removal of teeth, and the management of complications with a revision of basic life support. Regular clinical sessions in exodontia continue throughout the remainder of the Third, Fourth and Fifth Years.

Textbooks:

Local Anaesthesia:

Somers, N H and Mouser, P G, Local Anaesthesia, Discipline manual, 1997

Reference book

Roberts, D H and Sowray, J H, Local Analgesia in Dentistry, Wright, 1987

Exodontia:

Howe, G L, Extraction of Teeth, 2nd edn, Wright, 1990

DENT 3008 Orthodontics

1 credit point

Teacher/Coordinator: Dr Theo Baisi

When Offered: July Semester

Classes: 5 lectures and 8 tutorials.

Assessment: Multiple choice exam.

Given a child, adolescent or adult patient, by the conclusion of the unit of study the student should be able to:

- by non-directive questioning, obtain the patient's assessment of his/her own orofacial characteristics which may reveal concern about malocclusion or malposition of the teeth that the patient desires to be changed;
- employ a systematic clinical examination of the positions and occlusion of the teeth and health status of oral tissues of a patient, identifying deviations from normal, acceptable and healthy states for that patient;
- relate features of physiognomy of any patient to positions and occlusion of the teeth of that patient;
- offer preliminary advice on the general management of deviations from normal, acceptable and healthy oral health states.

Textbooks:

Reference books

Houston, W J B, Orthodontic Diagnosis, 3rd edn, Wright, 1982

Proffit, W R, Contemporary Orthodontics, 2nd edn, Mosby, 1993

Fourth Year

Fourth Year units of study are given at the United Dental Hospital and the Dental Clinical School at Westmead Hospital.

DENT 4014 Tooth Conservation

5 credit points

Teacher/Coordinator: Prof Roland Bryant, Dr Ward Massey and others

When Offered: March Semester and July Semester

Classes: 1 lecture and 5 clinics per week in March Semester; 1 lecture and 3 clinics per week in July Semester; and 6 seminars.

Assessment: One 2 hour exam in March Semester, one 1.5 hour exam in July Semester, one 3 hour practical exam per semester, clinical work

Experience is obtained in the clinical care of patients who primarily require the conservation or restoration of teeth. The unit of study includes lectures and seminars which add to the knowledge and skills required to undertake more complex procedures in providing this care. A short 18-hour practical course on the advanced uses of composite resin for anterior and posterior teeth is held under clinical simulation conditions.

Textbooks:

Pitt Ford, T R, The Restoration of Teeth, Blackwell, 1992

DENT 4003 Fixed Prosthodontics

6 credit points

Teacher/Coordinator: Dr Jim Ironside and others

When Offered: March Semester and July Semester

Classes: 30 lectures, 100 practicals/clinics and 18 seminars.

Assessment: One 1 hour exam per semester, major essay, seminar participation, clinical work

Lectures and practical classes cover the principles of the design and construction of fixed appliances, including implants, which replace missing teeth, the properties and manipulation of dental porcelains, advanced techniques for the restoration of defects in individual teeth, and treatment planning for the patient requiring a more complex type of care.

Textbooks:

Shillingburg, HT, Fundamentals of Tooth Preparations, Quintessence, 1987

Smith, B GN, Planning and Making Crowns and Bridges, Methuen, 1986

Rosenstiel, S F et al., Contemporary Fixed Prosthodontics, 2nd edn, Mosby, 1995

DENT 4002 Endodontics

5 credit points

Teacher/Coordinator: Adjunct A/Prof John Mayne and Dr David Barnard

When Offered: March Semester and July Semester

Classes: 1 lecture and 2 clinics per week

Assessment: One 1 hour exam in March Semester, one 1.5 hour exam in July Semester, clinical work.

The unit of study provides instruction in the more complex aspects of endodontics in order to provide for the clinical diagnosis and care of patients with diseases and injuries that affect the pulpal and periradicular tissues of teeth.

Textbooks:

Walton, R and Torabinejad, M, Principles and Practice of Endodontics, 2nd edn, Saunders, 1996

Reference book

Andreassen, J O, Essentials of the Traumatic Injuries of the Teeth, Munksgaard, 1991

DENT 4012 Removable Prosthodontics

5 credit points

Teacher/Coordinator: A/Prof Sybille Lechner

When Offered: March Semester and July Semester

Classes: 1 lecture and 6 practicals/clinics per week.

Assessment: One 3 hour exam in July Semester, class work

A two-semester unit of study comprising lectures, clinical demonstrations, seminars and practical classes including the treatment of patients. The following topics are studied:

- complete dentures: impression theories; maxillomandibular records; aesthetic and functional considerations in tooth arrangement; overdentures; immediate dentures; rebase and relining procedures.
- removable partial dentures: diagnosis and treatment planning; design; tooth modification; aesthetic consideration.

Textbooks:

Lechner, S K and Thomas, C J, Partial Denture Construction: A Manual of Clinical and Laboratory Procedures, 5th edn, University of Sydney, 1991

Reference books

Boucher, C O et al., Prosthodontic Treatment for Edentulous Patients, Mosby, 1990

Lechner, S K and MacGregor, A R, Removable Partial Prosthodontics: A Case-oriented Manual of Treatment Planning, Mosby-Wolfe, 1994

Miller, E L and Grasso, J E, Removable Partial Prosthodontics, 3rd edn, Mosby, 1991

DENT 4011 Preventive Dentistry

1 credit point

Teacher/Coordinator: A/Prof Peter Barnard, Dr Shanti Sivaneswaran

When Offered: July Semester

Classes: 14 lectures

Assessment: One 2 hour exam.

The unit of study aims to provide the student with an understanding of: prevention in dentistry at community, dentist and individual levels; behavioural and sociological aspects of preventive measures and implementation of preventive procedures and practices; factors influencing the provision and utilisation of dental services; dental health attitudes, beliefs and behaviour; interpersonal communication and dentist/patient relationship; and dental health education.

Textbooks:

Murray, J J, The Prevention of Dental Disease, 3rd edn, Oxford, 1996

Reference books

Adler, R B et al., Interplay. The Process of Interpersonal Communication, 4th edn, Saunders College Publishing, 1989

Barnard, PD, Facts and Figures, Australian Dentistry -1988, Australian Dental Association, 1989

Cohen, L K and Gift, H C, Disease Prevention and Oral Health Promotion, Munksgaard, 1995

Dunning, J M, Principles of Dental Public Health, 4th edn, Harvard University Press, 1986

Kent, G G and Blinkhorn, A S, The Psychology of Dental Care, 2nd edn, Wright, 1991

DENT 4006 Oral Surgery

6 credit points

Teacher/Coordinator: Dr Debbie Cockrell and others

When Offered: March Semester and July Semester

Classes: 1 lecture per week, 6 tutorials and 6 practicals

Assessment: One 2 hour exam in March Semester, continuous class work

The formal lecture course begins in March Semester and continues until the end of July Semester. Theoretical aspects of clinical oral surgery are dealt with including: asepsis and antisepsis, and universal precautions; history taking, examination, laboratory investigations, biopsy techniques, assessment of the patient, and treatment planning; clinical procedures; surgical techniques, complications including haemorrhage and infection, and post-operative care of the oral surgery patient; impacted teeth, cysts, tumours, mucosal lesions, and surgical endodontics; and oral manifestations of systemic diseases.

Practical work is carried out in the Oral Surgery Clinic where students gain experience in minor oral surgical procedures. Students extend their experience in local anaesthesia and exodontia and are taught how to work in conjunction with specialist anaesthetists where general anaesthesia is required.

Diagnostic and oral surgery clinics are conducted regularly.

Textbooks:

Cawson, R A, Essentials of Dental Surgery and Pathology, 5th edn, Churchill Livingstone, 1991

Howe, G L, Minor Oral Surgery, 3rd edn, Wright, 1985

Reference book

Scully, C and Cawson, R A, Medical Problems in Dentistry, 3rd edn, Wright, 1993

DENT 4005 Oral Pathology and Oral Medicine

3 credit points

Teacher/Coordinator: Prof Murray Walker

When Offered: March Semester and July Semester

Classes: 1 lecture per week and twelve 2 hour problem-based learning sessions in March Semester; 1 lecture per week and fifteen 2 hour problem-based learning sessions in July Semester

Assessment: One 2 hour exam in March Semester, one 3 hour exam in July Semester.

In Oral Pathology, the student learns how the principles of general pathology apply to the understanding of disorders affecting the teeth, gingivae, jaws, oral mucosa and salivary glands. A series of lectures establishes a framework for this understanding. The other unit of study component depends upon learning through problems set in a structured series of exercises including clinical cases with photographs, radiographs and histology slides to study, which each student completes individually. This is followed by a group discussion led by a tutor. Each of these completed assignments is then evaluated as part of the unit of study assessment of the student's progress.

In Oral Medicine, the diagnosis and management of non-surgical disorders affecting the mouth, teeth and jaws are covered in lectures, followed in Fifth Year by seminars and clinics. This instruction includes the oral manifestations of systemic disease and the dental management of medically compromised patients.

Textbooks:

Scully, C and Cawson, R A, Medical Problems in Dentistry, 3rd edn, Wright, 1993

Soames, J V and Southam, J C, Oral Pathology, 2nd edn, Oxford, 1993

Reference book

Cawson, R A, Essentials of Dental Surgery and Pathology, 5th edn, Churchill Livingstone, 1991

DENT 4013 Surgery

1 credit point

Teacher/Coordinator: Dr Nicholas Packham

When Offered: March Semester and July Semester

Classes: 1 lecture per week

Assessment: One 2 hour exam in July Semester.

A unit of study comprising lectures is given, devoted mainly to the general principles of surgery and medicine. The following topics are covered: general hospital organisation and procedures; patient evaluation; principles of inflammation, haemorrhage, shock, electrolyte balance, management of wounds and burns, and plastic surgery; head injuries; common general surgical conditions; surgical emergencies; and tumour treatment. Particular emphasis is placed on the thorax, head and neck, surgical anatomy, systemic diseases and their relationship with diseases of the oral cavity, salivary glands, thyroid gland, tracheotomy, and cleft lip and cleft palate.

Textbooks:

Eilis, H and Calne, R Y, Lecture Notes on General Surgery, 8th edn, Blackwell, 1993

Scully, C and Cawson, R A, Medical Problems in Dentistry, 3rd edn, Wright, 1993

DENT 4010 Pharmacology and Therapeutics

1 credit point

Teacher/Coordinator: Dr Hilary Lloyd and others

When Offered: March Semester

Classes: 1 lecture per week

Assessment: One 2 hour exam.

This unit of study, consisting of 13 lectures and 2 problem-solving sessions, is a continuation of the Third Year unit of study in Pharmacology. Its aim is to provide a general understanding of drug use in medicine, and a more detailed understanding of drug use in dentistry. Also discussed is prescription writing. The unit of study is arranged as follows: antidiabetic drugs, cardiovascular drugs, drugs which affect the central nervous system, analgesics, and anticoagulants. Drug interactions are also discussed. The problem-solving sessions will cover drugs used in emergencies and cardiovascular disorders.

Textbooks:

Neal, M J, Medical Pharmacology at a Glance, 3rd edn, Blackwell Scientific Publications, 1997

Reference book

Cawson, R A et al., Basic Pharmacology and Clinical Drug Use in Dentistry, 6th edn, Churchill Livingstone, 1995

DENT 4001 Anaesthesia (Local and General)

1 credit point

Teacher/Coordinator: Local Anaesthesia: Dr Debbie Cockrell and others; General Anaesthesia: Dr George Boffa
When Offered: Local Anaesthesia: March Semester and July Semester; General Anaesthesia: July Semester
Classes: Local Anaesthesia: 12 clinics per semester; General Anaesthesia: 9 lectures.
Assessment: Local Anaesthesia: one 2 hour exam in March Semester; General Anaesthesia: one 1 hour exam.

Local Anaesthesia

The course in local anaesthesia which commenced in the Third Year is continued with further studies in Fourth Year, integrated into the Oral Surgery unit of study in Fourth Year.

General Anaesthesia

This subject is integrated into the Surgery unit of study in Fourth Year. Principles of anaesthesia. Topics include: history of anaesthesia; pain and anxiety control; physiology of respiration; basic evaluation of surgical risk; drugs and diseases that affect anaesthesia and sedation; available techniques of pain and anxiety control - general anaesthesia, relative analgesia, intravenous sedation; and complications and emergencies.

Emphasis is given to the individual and combined roles of the dental surgeon and the specialist anaesthetist working as a team. This theoretical subject will be reinforced by the attendance of students at operating sessions under general anaesthesia at the Westmead Hospital Dental Clinical School in the Fifth Year of the course.

Textbooks:

Local Anaesthesia

Somers, N H and Mouser, P G, Local Anaesthesia, Discipline manual, 1997

Reference book

D H Roberts, D H and J H Sowray, J H, Local Analgesia in Dentistry, Wright, 1987

General Anaesthesia

Ostlere, G S, Anaesthetics for Medical Students, Churchill Livingstone, 1989

DENT 4004 Oral Diagnosis and Radiology

1 credit point

Teacher/Coordinator: Dr Malcolm Coombs and others
When Offered: March Semester and July Semester
Classes: Three 3 hour tutorials and five 2.5 hour clinics in March Semester; one 3 hour tutorial and five 2.5 hour clinics in July Semester.
Assessment: One 2 hour exam in July Semester, one 1 hour practical exam in July Semester, assignment, continuous clinical

The units of study are continuations of the Third Year units of study, to extend and develop treatment planning, radiographic skills and interpretation. Each student is required to present an assigned topic which will contribute to the final unit of study assessment. Practical experience is gained in radiographic technique, film processing and interpretation. Minimum requirements are set for satisfactory completion of the unit of study.

Textbooks:

Bricker, S L et al., Oral Diagnosis, Oral Medicine and Treatment Planning, Lea & Febiger, 1994

Goaz, P W and White, S C, Oral Radiology Principles and Interpretation, Mosby, 1994

Langland, O E et al., Panoramic Radiology, 2nd edn, Lea & Febiger, 1989

DENT 4009 Periodontics

5 credit points

Teacher/Coordinator: Dr John Highfield
When Offered: March Semester and July Semester
Classes: 1 lecture and 3 clinics per week
Assessment: One 2 hour exam in July Semester, practical exams in July Semester, one 1500 word essay, one written case report, clinical work.

Introduction, history and epidemiology; periodontal anatomy and physiology; occlusion; classification of periodontal disease; clinical features; aetiology; x-ray signs; and pathology and treatment of the following periodontal disturbances: chronic marginal gingivitis, acute gingival disease, periodontitis, gingivosis, periodontosis, and occlusal trauma.

The student will be shown that the study of periodontics is central to all clinical dentistry. The intimate relationship of periodontics to restorative dentistry will be stressed showing that the biological demands of restorative dentistry require a knowledge of periodontics. The student is shown that he or she is treating patients with periodontal disease as one aspect of their total dental needs and that all the dental needs are part of their total social environment.

Two semesters of instruction in clinical periodontics will be given, consisting of demonstrations and practical clinics in oral hygiene, preventive measures, diagnosis and treatment planning, and conservative and surgical management of chronic periodontal disease.

Textbooks:

Lindhe, J, Textbook of Clinical Periodontology, 2nd edn, Munksgaard, 1989

Reference book

Genco, R J, Contemporary Periodontics, Mosby, 1990

DENT 4008 Paediatric Dentistry

5 credit points

Teacher/Coordinator: Dr Nicky Kilpatrick
When Offered: March Semester and July Semester
Classes: 28 lectures, twenty-seven 2 hour clinics and twenty-five 1 hour seminars.
Assessment: One 1.5 hour exam in March Semester, one viva voce exam in July Semester, clinical technique, seminars.

Growth and development of children from birth to adolescence, including general paediatric care and medically compromised children, acquired and inherited dental anomalies, paediatric and pathological craniofacial anomalies.

Anatomy of primary teeth, diagnosis and treatment planning, techniques for the atraumatic treatment of carious lesions in primary and young permanent teeth, treatment of pulp pathology in primary and young permanent teeth, use and properties of tooth-coloured restorative materials, pit and tissue sealants, topical fluoride therapy, oral hygiene procedures and aspects of diet relevant to the oral health of the young. Clinical practice extends throughout Fourth and Fifth Years.

C Scully and R R Welbury Color Atlas of Oral Diseases in Children and Adolescents (Wolfe, 1994)

L Shaw Paediatric Dentistry: Self Assessment Tests in Dentistry (Wolfe, 1994)

R R Welbury Paediatric Dentistry (Oxford University Press, 1996).

Textbooks:

Reference books

Andreasen, J O and F M, Traumatic Injuries of the Teeth: Textbook and Color Atlas, 3rd edn, Munksgaard, 1994

Cameron, A and Widmer, R P, A Handbook of Paediatric Dentistry, Mosby 1997

Duggal, M S et al., Restorative Techniques in Paediatric Dentistry, Dunitz, 1995

Grundy, M C et al., Dental Care for the Medically Compromised Patient, Wolfe, 1993

Hall, R K, Paediatric Orofacial Medicine and Pathology, Chapman & Hall, 1993

DENT 4007 Orthodontics

3 credit points

Teacher/Coordinator: Dr Geoff Wright

When Offered: March Semester and July Semester

Classes: 15 lectures, 20 tutorials/practicals and 22 clinics

Assessment: One 1.5 hour exam in July Semester, six case histories, two treated cases, one poster, class work.

Malposition and malocclusion of teeth. Skeletal dental and functional analyses of occlusal development. Biomechanics of malocclusion and orthodontic correction. Orthodontic systems. Orthodontic strategies and oral health care.

Students will participate in demonstrations, with technical exercises.

Textbooks:

Reference book

Mitchell, L, An Introduction to Orthodontics, Oxford University Press, 1996

Fifth Year

Fifth Year studies are carried out at the Dental Clinical School at Westmead Hospital. The units of study are supervised by the Board of Studies in Fifth Year.

DENT 5004 Oral Surgery

12 credit points

Teacher/Coordinator: Dr Geoff McKellar and others

When Offered: March Semester and July Semester

Classes: 1 lecture per week, 11 tutorials and 54 clinics in March Semester; 8 tutorials and 51 clinics in July Semester.

Assessment: One 3 hour exam in mid-semester break in March Semester, one viva voce exam in July Semester.

The main thrust of the Fifth Year unit of study is to provide a firm grounding in the basic skills of oral surgery, thus enabling students to develop understanding and proficiency in minor oral surgery at general dental practitioner level, and to bridge the gap between dentist and specialist oral surgeon.

A formal lecture program is presented during first semester, addressing advanced assessment using up-to-date techniques of diagnosis, and providing an in-depth knowledge of pre- and post-operative management procedures. Theoretical and practical teaching is also given in the use of relative analgesia to general practitioner level.

Textbooks:

Recommended reading

Banks, P, Killey's Fractures of the Mandible, Wright, 1991

Banks, P, Killey's Fractures of the Middle Third of the Facial Skeleton, Wright, 1987

Cawson, R A, Essentials of Dental Surgery and Pathology, 5th edn, Churchill Livingstone, 1991

Davidson, S, The Principles and Practice of Medicine, 16th edn, Churchill Livingstone, 1991

Howe, G L, Everyday Oral Medicine, Wright, 1991

Killey, H C, An Outline of Oral Surgery Part 2, Wright, 1989

Lynch, M A, Burket's Oral Medicine Diagnosis and Treatment, Lippincott, 1984

MacGovem, D A et al., Killey and Kay's The Maxillary Sinus and its Dental Implications, Wright, 1991

Scully, C and Cawson, R A, Medical Problems in Dentistry, 3rd edn, Wright, 1993

Seward, G et al., Outline of Oral Surgery Part 1, 2nd edn, Wright, 1992
MIMS Annual 1996, IMS Publishing

DENT 5001 Clinical Dentistry

33 credit points

Teacher/Coordinator: Dr Graham Thomas and others

When Offered: March Semester and July Semester

Classes: 70 lectures, 48 tutorials, 3 seminars, 135 practicals and 450 clinics.

Assessment: One 3 hour exam in July Semester, one viva voce exam in July Semester, continuous practicals and clinical.

The unit of study in Clinical Dentistry incorporates oral rehabilitation, endodontics, fixed prosthodontics, gerodontics, occlusion, oral pathology and oral medicine, oral and maxillofacial surgery, orthodontics, paediatric dentistry, periodontics, removable prosthodontics, tooth conservation and community dentistry. An individual or group research project will be undertaken. Participation in a formal case presentation is also required.

The basis of this unit of study is clinical experience, through provision of integrated multidisciplinary patient care at Westmead Hospital Dental Clinical School, as well as clinical attachments and rotations at the United Dental Hospital and at the Prince of Wales Hospital. In addition, there are clinical attachments to Royal Newcastle Hospital, Riverina Health Service Clinics, Hume Health Service Clinics, visits to selected Public, Defence and Health Fund Clinics, and private practitioner visits under the auspices of the Pierre Fauchard Academy. Clinical options comprise rural or international attachments during semester breaks. Students will undertake short courses and exercises in communication and presentation skills.

Each student is comprehensively assessed as to competence to practise a wide range of procedures in general dentistry. A clinical log book must be maintained for assessment, and familiarity with a range of complex procedures is tested. Each student must demonstrate a careful, studied and ethical approach to the practice of clinical dentistry, and recognition of the need for ongoing postgraduate education.

Textbooks:

Recommended reading

Ailing, C C et al., Impacted Teeth, Saunders, 1993

Boucher, C O et al., Prosthodontic Treatment for Edentulous Patients, 10th edn, Mosby, 1990

Cameron, A and Widmer, R P, A Handbook of Paediatric Dentistry, Mosby, 1997

Cohen, IK et al., Wound Healing: Biochemical and Clinical Aspects, Saunders, 1992

Drummond, J R et al., Colour Atlas and Text of Dental Care of the Elderly, Mosby, 1995

Gutmann, J L et al., Problem-solving in Endodontics, 2nd edn, Mosby, 1992

Jacobson, P H, Conservative Dentistry: An Integrated Approach, Churchill Livingstone, 1990

Juniper, R and Parkins, B J, Emergencies in Dental Practice: Diagnosis and Management, Butterworths, 1992

Klineberg, I J, Occlusion: Assessment and Diagnosis, Wright, 1991

Klineberg, I J, Craniomandibular Disorders and Orofacial Pain: Diagnosis and Management, Wright, 1991

Lechner, S K and Thomas, C J, A Clinical Manual for Complete Dentures 2nd edn, University of Sydney, 1993

Mitchell, D A and Mitchell, L, Oxford Handbook of Clinical Dentistry, 2nd edn, Oxford University Press, 1995

Mount, G J and Dunitz, M, An Atlas of Glass-Ionomer Cements: A Clinician's Guide, 1994

Naylor, W P, Metal Ceramic Technology, Quintessence, 1992

Phillips, R W, Skinner's Science of Dental Materials, 9th edn, Saunders College Publishing, 1991

Rosenstiel, S F et al., Contemporary Fixed Prosthodontics, 2nd edn, Mosby, 1995

Topazian, R G and Goldberg, M H, Oral and Maxillofacial Infections, Saunders, 1994

Wenig, B M, Atlas of Head and Neck Pathology, Saunders, 1993

Woods, R, A Guide to the Use of Drugs in Dentistry, 12th edn, Australian Dental Association, 1996

Practical Guides for Successful Dentistry, 5th edn, Australian Dental Association, 1996

Current journals:

Annals R.A.C.D.S.

Australian Dental Association Federal Newsletter

Australian Dental Journal

Australian Prosthodontic Journal

British Dental Journal

Dental Update

Journal of the American Dental Association

Journal of Prosthetic Dentistry

Medical Journal of Australia

Year Book of Dentistry

Other research journals as appropriate

DENT 5002 Electives

1 credit point

Teacher/Coordinator: Board of Studies for Fifth Year and staff

When Offered: March and/or July Semester

Classes: As required

An elective unit of study embodying further study in one of the units of study listed under resolutions of the Senate, Bachelor of Dental Surgery, sections 4, 5, or 6, may be undertaken.

DENT 5003 Ethics and Professional Responsibility

1 credit point

Teacher/Coordinator: Adjunct A/Prof John Dale

When Offered: March Semester

Classes: 10 lectures

Assessment: One 3 hour exam.

The unit of study is based primarily on those legal principles and statutes which relate to dentistry. The lectures are used to explain the Australian legal system and legal principles of relevant tort law (i.e. negligence and assault), contract and criminal law and their application to dental practice. The Dentists Act and Regulations, the function of the Dental Board, disciplinary powers and advertising regulations are covered. Other acts impinging on dental practice such as industrial relations, consumer legislation, radioactive substances, and poisons are considered.

Textbooks:

Essential reference materials

Dentists Act and Regulations, N.S.W. Government, 1989

Record of Decisions, Dental Board of N.S.W.

DENT 5005 Systemic Pathology

1 credit point

Teacher/Coordinator: Dr John Gibbins

When Offered: March Semester

Classes: 1 lecture per week.

Assessment: One 3 hour exam.

The second component of a two-semester course of study in pathology is taught at the Clinical Dental School at Westmead Hospital. One lecture per week covers relevant aspects of the pathology of the respiratory, cardiovascular, neuromuscular, skeletal, and hemopoietic systems.

Textbooks:

Cotran, R S et al., Pathological Basis of Disease, 5th edn, Saunders, 1994

7. Other Faculty Information

This chapter of the handbook contains information specific to the Faculty of Dentistry and some general information. For further details about the University — its organisation, examinations, assistance for students with disabilities, child care facilities, housing, health, counselling, financial assistance, careers advice and a range of other matters — see the separate publication *University of Sydney Diary*, available free from the Student Centre or from University of Sydney Union outlets.

Infectious Diseases

As a student in the Faculty of Dentistry you will be required to complete clinical training in the N.S.W. hospital system. While undertaking that clinical training, you will be required to perform exposure-prone procedures and will be required to comply with the N.S.W. Department of Health's Guidelines (Circular A11543, *HIV and Hepatitis B Infected Health Care Workers Guidelines*). You should also be aware of the National Health and Medical Research Council's *Management Guidelines, Infectious Disease Hazards in Health Care Establishments*. The N.S.W. Department of Health's Guidelines include the requirement that HIV and/or HbeAg or HBV DNA positive health care workers must not engage in exposure-prone procedures.

If you are not able to satisfy those guidelines and procedures because of your health status or for other reasons, you will not be able to complete your clinical training, and thus you will not be able to complete your course of study. The University will assist you, in such case, to transfer to another Faculty, subject to University guidelines on transfers between Faculties.

While the University is sympathetic to students in this type of situation, it is stressed that the development and implementation of guidelines and procedures relating to infectious diseases, within the health care system, is not a matter over which the University has direct control.

Further information about infectious diseases is available, in confidence, from the Faculty adviser: Professor Murray Walker, tel. 9845 7892.

Orientation and Enrolment

First Year timetable

The First Year timetable will be available during the orientation period.

Registration in First Year

At the time of enrolment students are assigned to a First Year section and are allocated a particular timetable of First Year units of study. All are required to complete Faculty registration upon enrolment.

You must attend lectures and practical classes only at the times and locations indicated for your section.

Transfers between Faculties

Students who enrol in one degree course and pass the units of study prescribed for another degree course have not the right to transfer to that other degree course, but may be admitted by the Faculty or Board of Studies concerned on merit to the extent the facilities are available. It should be noted that the opportunities for transferring from other Faculties into the Faculty of Dentistry are limited, and competition for entry on that basis is keen.

If you wish to apply for enrolment in the Faculty of Dentistry with credit for courses or units of study completed at the University of Sydney or at another institution you must apply both through the Universities Admissions Centre and the Faculty in accordance with the procedure outlined in the Bachelor of Dental Surgery Selection Procedure Information Booklet, available free from the Faculty Office.

Confirmation of enrolment

All the information provided when you enrol is added to the University's computerised student record system. This includes your degree, academic year and the units of study you are taking. It is important that this information be recorded correctly at the beginning of the year, and amended should a change occur in any of the details during the year. You should be aware that every unit of study enrolment has a financial implication through the Higher Education Contribution Scheme (HECS).

To enable you to see what enrolment data has been recorded, you will be sent a 'confirmation of enrolment' notice shortly after completion of enrolment. You should check this carefully. If the information is correct you should keep the notice as a record of your current enrolment. Should the notice be incorrect in any detail, you should apply at the Student Centre immediately to have your record amended. A new confirmation will then be prepared and sent to you. You will also receive, about two months after the beginning of each semester, a statement showing your HECS assessment for that semester. If there appears to be an error in this assessment, you should follow the directions for correction of the assessment which are included on the statement.

If you wish to:

- change a unit of study in which you are enrolled
- discontinue a unit of study
- discontinue enrolment totally

you should apply at the Student Centre for the appropriate form and then at your Faculty office to obtain approval. Your record at the University will not be correct unless you do this. *It is not sufficient for instance to tell the lecturer, or even the Departmental office that you discontinued a unit of study.* Unless an enrolment change is approved formally at your Faculty Office it will not be officially recorded and in some cases will incur a financial liability under HECS.

Regulations:

Discontinuation of enrolment and re-enrolment after discontinuation — undergraduate

All Faculties, Colleges and Boards of Studies

1. A candidate for a degree of bachelor who ceases attendance at classes must apply to the Faculty, College Board or Board of Studies concerned and will be presumed to have discontinued enrolment from the date of application, unless evidence is produced (i) that the discontinuation occurred at an earlier date and (ii) that there was good reason why the application could not be made at the earlier time.
2. A candidate for a degree of bachelor who at any time during the first year of attendance discontinues enrolment in all units of study shall not be entitled to re-enrol for that degree unless the Faculty, College Board or Board of Studies concerned has granted prior permission to re-enrol or the person is re-selected for admission to candidature for that degree.
3. Subject to provisos (i) and (ii) of section 1, no candidate for a degree of bachelor may discontinue enrolment in a unit of study or year after the end of lectures in that unit of study or year.

- The Dean, Pro-Dean or a Sub-Dean of a Faculty, Director or Deputy Director of a College or the Chairperson of a Board of Studies, may act on behalf of that Faculty, College Board or Board of Studies in the administration of these resolutions unless the Faculty, College Board or Board of Studies concerned decides otherwise.

Withdrawal from Full-Year and First Semester units of study

- A candidate for a degree of bachelor who discontinues enrolment in a full-year or First Semester unit of study on or before 30 March in that year shall be recorded as having withdrawn from that unit of study.

Withdrawal from Second Semester units of study

- A candidate for a degree of bachelor who discontinues enrolment in a Second Semester unit of study on or before 30 August in that year shall be recorded as having withdrawn from that unit of study.

All Faculties, Colleges and Boards of Studies except the Faculty of Engineering

Discontinuation

- (1) A discontinuation of enrolment in a unit of study shall be recorded as 'Discontinued with Permission' when the discontinuation occurs after the relevant withdrawal period and
 - on or before the Friday of the first week of Second Semester for a full-year unit of study, or
 - up to the last day of the seventh week of teaching in a one-semester unit of study.
- (2) A discontinuation of enrolment in a unit of study shall be recorded as 'Discontinued' when the discontinuation occurs
 - after the Friday of the first week of Second Semester for a full-year unit of study, or
 - after the last day of the seventh week of teaching in a one-semester unit of study.
- (3) Notwithstanding paragraph (2) the Dean, Pro-Dean or Sub-Dean of the Faculty, Director or Deputy Director of the College or Chairperson of the Board of Studies concerned may determine that a discontinuation of enrolment should be recorded as 'Discontinued with Permission' on the grounds of serious ill-health or misadventure.

Instruments

Students are required to provide certain instruments for their own use in practical and clinical dentistry. The cost of these instruments (which exceeds \$3000 for the whole course) can be ascertained from the Faculty Office or from any of the dental supply companies.

Examinations

Periods

There are three formal examination periods.

| <i>Period</i> | <i>when held</i> | <i>approximate duration</i> |
|-----------------|------------------|-----------------------------|
| First semester | June | 2-3 weeks |
| Second semester | November | 3-4 weeks |
| Supplementary | December/January | 2 weeks |

In addition individual Disciplines may examine at other times and by various methods of assessment, such as essays, assignments, viva voce, practical work, etc. Some Disciplines do not examine during the first semester.

Notification of examination results

The results of annual examinations are posted through the mail service directly to you at the end of the year. As a back-up, the results are also displayed on noticeboards in the Main Quadrangle.

Disclosure of examination marks

Final marks will appear on your annual result notice. Marks may also be obtained from your Faculty for the major components of assessment which make up the final marks. You are entitled to information about any details of the assessment procedures used to determine the final result.

Your examination scripts and any other assessment material may be retrieved for a short period after the completion of assessment in each unit of study. This does not apply to examination papers which involve the repeated use of the same material in successive examinations.

Examination marks (as opposed to examination grades) are treated as personal information and therefore disclosed only to the student concerned. However, information will be made available to help you gauge your comparative performance in class.

Examination grades

Each unit of study taken will be allotted one of the following grades at the annual examinations:

| <i>Grade</i> | <i>per cent</i> |
|------------------|-----------------|
| High Distinction | 85-100 |
| Distinction | 75-84 |
| Credit | 65-74 |
| Pass | 50-64 |
| Fail | below 50 |

Supplementary examinations

The Faculty of Dentistry resolved in June 1997 that in the light of the new undergraduate selection process, greater reliance on continuous assessment and the need to streamline the examination process, the practice of offering concessional Supplementary Examinations be discontinued. This resolution is to take effect from the Annual Examinations in 1998.

This means that students may only be considered for the award of a Supplementary Examination to Count as Annual (XTCA), or a Postponed Annual Examination, on submission of an application for Special Consideration on the grounds of certified illness or other misadventure.

Supplementary Examination to Count as Annual (XTCA) and Postponed Annual Examination

- Candidates who submit an application for Special Consideration after the Annual Examination will normally be entitled to be awarded a Supplementary Examination to Count as Annual. Such candidates may be permitted, at the discretion of the examiner, to sit for a Postponed Annual Examination.
- A Postponed Annual Examination will normally take place within one week after the scheduled Annual Examination but before the Board of Examiners meeting.
- A Supplementary Examination to Count as Annual may be awarded only by the Board of Examiners as a result of an application for Special Consideration, normally submitted prior to the Annual Examination.
- A candidate awarded a Supplementary to Count as Annual will be permitted to sit for the examination, notwithstanding a result of Fail on the Year is recorded.

Exemptions/Credit for units of study already completed, to be counted towards the degree of Bachelor of Dental Surgery

- (1) Except with the permission of the Faculty, a candidate for the degree of Bachelor of Dental Surgery seeking credit for an equivalent unit of study completed previously or for exemption from re-enrolment in a unit of study prescribed for the degree will normally be required to have achieved a result of Credit or higher in that unit of study.
- (2) Exemptions from re-enrolment will not be granted for units of study in clinical disciplines.

Illness or misadventure

You may apply to the Faculty in writing for special consideration of your examination performance on grounds of illness or misadventure. In the case of illness a medical certificate should be provided. The minimum requirements of a medical certificate are that it:

- (a) be submitted and signed by your own medical practitioner and indicate the dates on which you sought attention;
- (b) certify unambiguously a specified illness or medical disability for a definite period;
- (c) indicate the degree of your incapacity, and express a professional opinion as to the effect of your illness on your ability to take an examination.

Certificates in connection with annual or supplementary examinations should be submitted prior to the examinations, unless the illness or misadventure takes place during the examinations, in which case the evidence must be forwarded as soon as practicable, and in any case before the close of the examination period. There is a special form available at the Student Centre and at the University Health Service for submission with medical certificates.

For consideration on the grounds of misadventure, your application must include a full statement of circumstances and any available supporting evidence.

Should you find it embarrassing to state your difficulties in writing you should arrange an interview with the Dean of the Faculty. Such a request might be made in the form of a note addressed to the Dean.

The need to seek early advice

Many students in need of advice fail to make full use of the assistance available to them. If you believe that your performance during a unit of study, or your preparation for your examinations, has been adversely affected by medical, psychological or family circumstances, you should seek advice as early as possible. Members of the teaching staff, of the University Counselling Service, and of the University Health Service, are all available for consultation and can give advice on appropriate action to take.

Exclusion:

Restriction upon re-enrolment

There are certain circumstances in which you could be asked to show good cause why you should be permitted to repeat any previously attempted study. Liability for exclusion from re-enrolment is determined by academic attainment during the immediate past one or two academic years (depending upon the Faculty, College or Board of Studies concerned). The resolutions of the Senate restricting re-enrolment may be found in the University's *Statutes and Regulations 1994-95*. You should acquaint yourself with the studies in which you are enrolled. If you are in any doubt about your liability for exclusion following academic failure or discontinuation of courses you should ask advice of the Exclusions Office.

It is not possible to define in advance all the reasons that constitute 'good cause' but serious ill health, or misadventure properly attested, will be considered. In addition your general record, for example in other courses or units of study, would be taken into account.

In particular if you were transferring from another faculty your record in your previous faculty would be considered. Not usually acceptable as good cause are such matters as demands of employers, pressure of employment, time devoted to non-university activities and so on, except as they may be relevant to any serious ill health or misadventure.

Extract from Resolutions of the Senate relating to Restriction upon Re-enrolment:

Faculty of Dentistry

13. The Senate authorises the Faculty of Dentistry to require a student to show good cause why he or she should be allowed to re-enrol in the Faculty of Dentistry when he or she has failed the Second Year or any higher year in the Faculty, if he or she has already taken more than one year of enrolment to complete the requirements of the preceding year.

Subject to the Senate resolutions on restriction upon re-enrolment, the Faculty may require a student to show good cause why he or she should be allowed to re-enrol in the Faculty of Dentistry First Year units of study.

Library

The Fairfax Reading Library (i.e. the Dentistry Library) is a branch in the University of Sydney Library system and is housed in the Faculty Building (Level 2) adjacent to the United Dental Hospital. Library hours are 9.00 am to 7.00 pm Monday and Wednesday, and 9.00 am to 5.00 pm Tuesday, Thursday and Friday.

Staff and students of the University of Sydney are eligible to borrow books from the Dentistry Library and any of the University Libraries, and to use the self-service options of the University Library's computer system, including the online catalogue. Access to databases networked by the University Library, including Medline, is available in the Dentistry Library. Further information resources may be located via the Library home page on the internet.

Documents not held in the University Library will be obtained for University staff and postgraduate students. The Dentistry Library has 1.5 staff including a professional librarian, and has recently been renovated.

Dentistry staff and students may also use the Westmead Hospital Library.

Faculty Societies

Sydney University Dental Undergraduates' Association

The SUDUA, which was functioning in the 1930s and perhaps earlier, comprises all undergraduates enrolled in the Faculty of Dentistry. All members on graduation become honorary life members.

The object of the Association is to provide the means for expanding the interests of the students beyond the curriculum of the dental course and to maintain the traditions and faculty spirit that have always characterised the dental undergraduate body. The Association also facilitates a close liaison between students and staff of the Faculty.

The Association elects an executive and also representatives to the Students' Representative Council and the Outside Common Rooms Committee of the University Union. Thus the dental undergraduates are able to voice their opinions in the various university associations.

Regular meetings are held, at which general business in the interests of the Association is discussed, papers are read, and lectures given. Inter-faculty activities are arranged by the Association. Sporting and social functions are conducted, including the annual dental ball and the informal dance each term. The Articulator, the journal of the Association, is published annually.

The SUDUA operates a student cooperative which sells instruments at a reduced rate.

Dental Alumni Society of the University of Sydney

Founded in 1943, the Dental Alumni Society is a postgraduate society. Some of the more important aims of the Society are to maintain and foster the association of dental graduates with the University, to promote cultural activities, to extend cordial relationships between graduates and undergraduates of the Faculty of Dentistry, and to take an interest in any matter within the University that will be of benefit to the Faculty of Dentistry.

Graduates of the Faculty of Dentistry are automatically General Members of the Society and become Financial Members on payment of a small annual subscription.

Dental Alumni Society Museum

This Museum within the Faculty of Dentistry is situated in the United Dental Hospital. It is an historical museum consisting of early dental instruments and equipment of a small nature and at the moment it is housed in cabinets outside the Fairfax Reading Library. It is hoped that in the future it will be enlarged to house large equipment and photographs and documents describing dental science and practice of the past.

The museum display can be inspected at any time the United Dental Hospital is open.

Gifts of an historical dental nature are most welcome and will be acknowledged.

Traineeships, Scholarships and Prizes

Traineeships

Traineeships are available in dentistry that afford financial assistance to students during the latter parts of the course. In each case fees and a living allowance are paid and some assistance is given with books.

Traineeships are available via the Defence Recruiting Office through the following:

- Royal Australian Navy
- Australian Military Forces
- Royal Australian Air Force

from whom further particulars may be obtained.

Undergraduate scholarships and prizes

Financial assistance

Information about sources of financial assistance available to students may be obtained from Student Services (Financial Assistance Office).

Dental Board of New South Wales

The Dental Board of New South Wales is empowered under Section 18 of the Dentists Act 1934-1964 to appropriate moneys from the Dental Board Education and Research Account for or towards dental education and research.

The Board is prepared to give consideration to the granting of financial assistance to students in the Faculty of Dentistry in the form of loans. The individual applicant is required to show the Board that he or she is of good character, is unable to find financial accommodation elsewhere, and is otherwise in necessitous circumstances. Surety for the amount of the application should also be arranged.

Funds are limited and loans must therefore be restricted accordingly. Successful applicants are required to execute agreements in due course. Application forms are available from the Registrar of the Board, 52 Bridge Street, Sydney.

The Goldsworthy-Sullivan Memorial Prize

Established in 1962 by a donation from the Dental Alumni Society of the University of Sydney to endow a prize in memory of Dr N.E. Goldsworthy and Dr H.R. Sullivan. Awarded annually to the final year student proceeding to the degree of Bachelor of Dental Surgery who has been most proficient in the fields of oral biology and the entire degree course. The prize takes the form of a medal.

Port Dental Laboratories Prize

Established in 1979 by G.H. Port Dental Laboratories Pty Limited. Awarded annually to the final year candidate for the degree of Bachelor of Dental Surgery who shows the greatest proficiency in the subjects tooth conservation and prosthodontics, provided that the candidate's work is of sufficient merit. Value \$250.

The Richard Belitho Bush Memorial Prize

Founded in 1969 by a bequest from the late Richard Belitho Bush. Awarded annually to a student studying dentistry at the University of Sydney, such prize to be awarded at the discretion of the Dean of the Faculty of Dentistry. Value \$350.

Brigadier Gordon Rowell Prize

Donated by Brigadier A. Gordon Rowell, CBE, ED, QHDS. Awarded annually to a student in the final year of the course for the degree of Bachelor of Dental Surgery for proficiency in preventive dentistry. Value \$130.

R.G. Schamschula Prize

Established in 1991 by a donation of \$2500 from the Institute of Dental Research to honour Dr R.G. Schamschula, D.D.Sc., a graduate of the Faculty of Dentistry and distinguished member of the Institute for 20 years, including eight years as Deputy Director. Awarded annually on the recommendation of the Dean of the Faculty of Dentistry to the student who presents the best research project as part of the summer vacation research project, provided that the work is of sufficient merit. A written report on the project, a supervisor's report and an oral presentation by the candidate will be taken into account. The prize shall take the form of a medal and a certificate.

Stephen Maxwell O'Henly Prize

Established in 1993 by a gift from Mr Don O'Henly to establish a prize in the Faculty of Dentistry in memory of his son, Stephen Maxwell O'Henly, who graduated Bachelor of Dental Surgery in 1978. Awarded annually on the recommendation of the Head of Discipline of Oral Pathology and Oral Medicine to the candidate for the degree of Bachelor of Dental Surgery who is the most proficient in the Discipline of Oral Pathology and Oral Medicine over the entire course, provided the student's work is of sufficient merit. Value \$500 and a medal.

The Winifred Nettie Ockenden Bequest

Established in 1970 by a bequest from the late E.E.M. Ockenden to provide short-term interest-free loans to a maximum value of \$50. Preference is given to students in the Faculty of Dentistry.

The Martin Halas Prize

Established in 1996 by a donation of \$20000 from Mrs Dagmar Halas in memory of her late husband Martin Halas. Awarded annually on the recommendation of the Dean, in consultation with the Director of Fifth Year Studies, to the student in the Fifth Year of the degree of Bachelor of Dental Surgery who demonstrates the greatest proficiency in clinical work and professionalism. Value \$400.

Prizes for academic merit

The Faculty of Dentistry also awards a large number of prizes awarded automatically on the basis of academic merit.

Awards and honours

High distinction, distinction and credit are awarded to students who, at the annual examinations, attain a certain percentage in individual subjects.

First class honours and second class honours are awarded on graduation to students whose aggregate marks reach a certain standard. This aggregate is based on the work of the First, Second, Third, Fourth and Fifth years.

University Medal

The University Medal is awarded on graduation to a student who has merited first class honours and who has been shown to be the most distinguished candidate for the degree.

8. Postgraduate Study

Degree and Diploma Requirements

The regulations governing the degrees of Master of Dental Surgery, Master of Dental Science, Master of Science in Dentistry, Doctor of Dental Science, the Graduate Diploma in Public Health Dentistry and the Graduate Diploma in Clinical Dentistry, published in the University *Calendar*, are reproduced below. These should be read in conjunction with Chapter 10 of the by-laws of the University, which deals with admission to candidature for the PhD degree, for any master's degree, and for any diploma, for graduates of other universities or those with equivalent qualifications. Some information on the degree of Doctor of Philosophy is also provided below.

Enquiries about postgraduate courses should be made to the Faculty Secretary.

Resolutions of the Senate

Master of Dental Surgery (MDS)

- (1) An applicant for admission to candidature for the degree of Master of Dental Surgery shall:
 - except as provided in subsection (2) be a Bachelor of Dental Surgery of the University of Sydney; and
 - apply in writing to the Registrar for such admission to candidature and for the approval of the Faculty.
- (2) A graduate in dentistry of another university or a candidate with equivalent qualifications obtained in an appropriate institution may, with the approval of the Faculty and the Academic Board, be admitted to candidature for the degree.
- A candidate, unless exempted by the Faculty, shall pass an examination prescribed by the Faculty, not less than one year after admission to candidature and before complying with section 5.
- The Faculty shall appoint a person who is a member of the academic staff of the University to act as supervisor of the candidate and may at its discretion appoint a suitably qualified person or persons as associate supervisor(s).
- The Faculty shall review the progress of each candidate annually and on the recommendation of the head of the discipline concerned may terminate the candidature of any candidate who, in the opinion of the Faculty, has not shown evidence of sufficient progress towards the degree.
- A candidate for the degree shall, in some branch of dentistry approved by the Faculty:
 - undertake a critical review of the literature; and either:
 - undertake a research project and clinical instruction; or
 - undertake a course of clinical instruction;
 - pass an advanced examination and submit a treatise in the approved branch of dentistry.
- A candidate shall complete the requirements for the degree in not less than three semesters and within not more than six years of enrolment.
- The Faculty may deem time spent on work done towards another degree to be time spent as work done towards the degree of Master of Dental Surgery, provided the candidate has ceased to be a candidate for the other degree.
- A candidate shall lodge three copies (printed or typewritten) of the treatise with the Registrar, in accordance with the Faculty resolution.

- (1) The Faculty shall appoint two examiners, of whom at least one shall be an external examiner who may be a member of the part-time teaching staff of the Faculty.
 - (2) The examiners shall report to the Faculty, which shall determine the result of the examination.
10. The degree shall not be conferred until two years after the conferring of the degree of Bachelor of Dental Surgery or its equivalent.

Master of Dental Science [MDS(Discipline)]

- The title of the degree shall include, in parenthesis, the discipline undertaken.
 - The degree of Master of Dental Science may be taken in the following disciplines:
 - Endodontics
 - Oral and Maxillofacial Surgery
 - Orthodontics
 - Paediatric Dentistry
 - Periodontics
 - Prosthodontics
 - Public Health Dentistry
 - Oral Medicine.
 - (1) An applicant for admission to candidature for the degree of Master of Dental Science shall:
 - except as provided in subsection (2) be a Bachelor of Dental Surgery of the University of Sydney;
 - apply in writing to the Registrar for such admission to candidature and for the approval of the Faculty;
 - have completed at least two years' general dental practice experience; and
 - in the cases of disciplines (a), (b), (d), (e) and (f) in section 2, unless exempted by the Faculty, have satisfactorily completed the primary Fellowship Examination of the Royal Australasian College of Dental Surgeons, or its equivalent.
 - (2) A graduate in dentistry of another university or a candidate with equivalent qualifications obtained in an appropriate institution may, with the approval of the Faculty and the Academic Board, be admitted to candidature for the degree.
 - (3) The Faculty may admit an applicant to candidature on probation for a period not exceeding twelve months and at the end of that period shall review the work of the candidate and confirm or terminate the candidature.
 - (4) A candidate admitted to candidature on probation whose candidature is subsequently confirmed shall be deemed to have commenced candidature on the day of admission to candidature on probation.
4. A candidate for the degree shall:
- unless exempted by the Faculty, pass an examination prescribed by the Faculty within the first year, and not less than one year before complying with section 8(1);
 - engage for not less than two years as a full-time student or its equivalent part-time in the University in a course of advanced study and research in a recognised specialist area, or other area of dentistry approved by the Faculty.

5. The Faculty may deem time spent on work done towards another higher degree by a candidate before admission to candidature for the degree of Master of Dental Science, to be time spent or work done after admission, provided the candidate has ceased to be a candidate for the other degree.
 6. The Faculty shall appoint a person who is a member of the academic staff of the University to act as supervisor of the candidate and may at its discretion appoint a suitably qualified person or persons as associate supervisor(s).
 7. The Faculty shall review the progress of each candidate annually and on the recommendation of the head of the discipline concerned may terminate the candidature of any candidate who, in the opinion of the Faculty, has not shown evidence of sufficient progress towards the degree.
 8. (1) A candidate shall either submit a thesis embodying the results of research or an article reporting the results of research in a form suitable for publication in a refereed scientific journal and shall, in addition, pass an advanced examination as prescribed by the Faculty.
 (2) A candidate shall state in the thesis, generally in a preface and specifically throughout the thesis, the sources from which the information was derived, the extent to which the work of others has been used, and the portion of the work claimed to be original. The candidate shall not present as the thesis any work previously submitted for a degree of this or any other university, but may incorporate such work in the thesis, provided that the work so incorporated is indicated.
 (3) The candidate shall lodge with the Registrar three copies (printed or typewritten) of the thesis, in accordance with the Faculty resolution.
 (4) The form of the article referred to in subsection (1) shall be as prescribed by the Faculty.
 9. A candidate shall complete all specified requirements and, where indicated, all clinical requirements of the specialist program.
 10. (1) The Faculty shall appoint two examiners, of whom at least one shall be an external examiner who may be a member of the part-time teaching staff of the Faculty.
 (2) The examiners shall report to the Faculty, which shall determine the result of the examination.
5. A candidate for the degree shall:
 - (1) engage for a period of not less than two years as a full-time student, or its equivalent as a part-time student, in research in some branch of dentistry, approved by the Faculty; and
 - (2) submit a thesis embodying the results of the research and may be required, at the discretion of the Faculty, to pass an advanced examination in a subject or subjects related to the work of the thesis.
 6. The Faculty may deem time spent on research work done towards another higher degree by a candidate before admission to candidature for the degree of Master of Science in Dentistry to be time spent or work done after admission, provided the candidate has ceased to be a candidate for the other degree.
 7. The candidate:
 - (1) shall state in the thesis, generally in a preface and specifically throughout the thesis, the sources from which the information was derived, the extent to which the work of others has been used, and any portion of the thesis which is claimed as original;
 - (2) shall not present as the thesis any work previously submitted for a degree of this or any other university but may incorporate such work in the thesis provided that the work so incorporated is indicated; and
 - (3) shall lodge with the Registrar three copies (printed or typewritten) of the thesis, in accordance with the Faculty resolution.
 8. (1) The Faculty shall appoint two examiners, of whom at least one shall be an external examiner who may be a member of the part-time teaching staff of the Faculty.
 (2) The examiners shall report to the Faculty, which shall determine the result of the examination.
 9. The degree shall not be conferred until two years after the conferring of the degree of Bachelor of Dental Surgery or its equivalent.

Doctor of Dental Science (DDSc)

1. These resolutions apply to the following degree: Doctor of Dental Science.
2. (1) The Academic Board may, on the recommendation of the Faculty or Board of Studies concerned, award the appropriate degree of Doctor for published work which, in the opinion of the examiners, has been generally recognised by scholars in the field concerned as a distinguished contribution to knowledge or creative achievement.
 (2) Without limiting the generality of subsection (1), the published work may be regarded as a distinguished contribution to knowledge if-
 - (a) it represents a significant advance in knowledge in its chosen field; or
 - (b) it has given rise to or is a major part of a significant debate in scholarly books and journals among recognised scholars in its chosen field; or
 - (c) it has directly given rise to significant changes in the direction of research or of practice of a newer generation of recognised scholars in its chosen field.

Master of Science in Dentistry (MScDent)

1. (1) An applicant for admission to candidature for the degree of Master of Science in Dentistry shall:
 - (a) except as provided in subsection (2) be a Bachelor of Dental Surgery of the University of Sydney; and
 - (b) apply in writing to the Registrar for such admission to candidature and for the approval of the Faculty.
 (2) A graduate in dentistry of another university or a candidate with equivalent qualifications obtained in an appropriate institution may, with the approval of the Faculty and the Academic Board, be admitted to candidature for the degree.
2. A candidate, unless exempted by the Faculty, shall pass an examination prescribed by the Faculty, not less than one year after admission to candidature and before complying with section 5(2).
3. The Faculty shall appoint a person who is a member of the academic staff of the University to act as supervisor of the candidate and may at its discretion appoint a suitably qualified person or persons to act as associate supervisor(s).
4. The Faculty shall review the progress of each candidate annually and on the recommendation of the head of the discipline concerned, may terminate the candidature of any candidate who, in the opinion of the Faculty, has not shown evidence of sufficient progress towards the degree

Application procedure

3. (1) An application for admission to candidature must satisfy the eligibility for admission criteria in sections 4, 5 and 6 and be considered under the preliminary assessment procedure specified in section 8 before being permitted to enrol as a candidate for the degree.
- (2) An applicant should submit to the Registrar—
 - (a) an application which states the degree being applied for; gives details of academic qualifications held; and gives details of association with the University;
 - (b) a list of the published work which it is proposed to submit for examination; and
 - (c) a description of the theme of the published work and, where there is a large number of publications whose dates range over a period of time and which contain some range of subject matter, a statement of how these are related to one another and to the theme.

Eligibility for admission

4. (1) An applicant for admission to candidature for the degree of Doctor shall either have qualified for the award of a degree of the University of Sydney and have met the specific requirements of subsection (2), or shall satisfy the requirements of section 5.
- (2) An applicant for the degree of Doctor of Dental Science must have qualified for the award of the degree of Bachelor of Dental Surgery.
5. (1) The Academic Board, on the recommendation of the faculty or board of studies concerned, may admit as a candidate for the degree of Doctor an applicant, not being a graduate of the University of Sydney, who—
 - (a) is either a graduate of another university or institution or is a person who is accepted by that faculty or board of studies and by the Academic Board as having standing equivalent to that required of a graduate of the University; and
 - (b) in the case of an applicant for the degree of Doctor referred to in section 4(2), is accepted by the Faculty or Board of Studies concerned as having standing equivalent to that required in that section; and
 - (c) has been a full-time member of the academic staff of the University for at least three years, or has had such a similar significant involvement with the teaching and research of the University as the Academic Board, on the recommendation of the Faculty or Board of Studies concerned, considers equivalent.
- (2) A candidate admitted under section 4 must be a graduate of at least five years' standing before the degree of Doctor can be awarded.
- (3) A candidate admitted under section 5 must have held the qualification by virtue of which he or she was admitted for at least five years before the degree of Doctor can be awarded.

Nature of work to be submitted

7. (1) The publications submitted for examination shall be a record of original research undertaken by the candidate, who shall state the sources from which the information was derived, the extent to which the work of others has been made use of, and the portion of the work claimed as original.
- (2) The publications submitted for the degree of Doctor shall include at least one substantial work.
- (3) If the publications submitted, whether published in the candidate's sole name or under conjoint authorship, record work carried out conjointly, the candidate shall state the extent to which the candidate was responsible for the initiation, conduct or direction of such conjoint research, however published.

- (4) Where the principal publications, as distinct from any supporting papers, incorporate work previously submitted for a degree in this or in any other university, the candidate shall clearly indicate which portion of the publications was so submitted.

Preliminary assessment

8. (1) The Dean of the Faculty or chairperson of the Board of Studies concerned shall appoint, in respect of each application made, a committee normally comprising five persons being:
 - (a) the Dean of the Faculty or chairperson of the Board of Studies concerned;
 - (b) the Head of the Discipline and the professor most closely associated with the field of the applicant's work; and
 - (c) other persons appointed by the Dean or chairperson
- (2) The committee shall consider whether the applicant is eligible for admission to candidature, whether the published work is in a field appropriate for the nominated degree and which the faculty is competent to examine at that level and, if so, shall make an assessment of the prima facie worthiness for examination of the published work in terms of section 2 of these resolutions.
- (3) The committee, if it finds that a prima facie case exists, shall recommend to the Faculty or Board of Studies concerned that it recommend to the Academic Board—
 - (a) the admission to candidature if not qualified under section 4; and
 - (b) the appointment of at least three examiners of whom at least two shall be external examiners.
- (4) The Academic Board may appoint further examiners in addition to those recommended by the faculty or board of studies.

Enrolment

9. After the Academic Board has admitted the applicant, if necessary, and appointed examiners, the applicant shall submit to the Registrar five copies of the published work and of the description of the theme of the published work and shall enrol as a candidate at the next enrolment period.

Examination

10. (1) Each examiner shall make a separate report as to whether the published work meets the requirements as specified in section 2 of being generally recognised by scholars in the field concerned as a distinguished contribution to knowledge.
 - (2) The reports of the examiners shall be considered by the committee appointed under section 8(1) and a recommendation made to the Faculty or Board of Studies concerned which shall take note of the terms of section 2 of these resolutions.
 - (3) The Faculty or Board of Studies may—
 - (a) recommend to the Academic Board that the degree be awarded;
 - (b) recommend to the Academic Board that the degree not be awarded;
 - (c) recommend to the Academic Board the appointment of a further examiner or examiners.
 - (4) In making its report to the Academic Board under subsection (3), the Faculty or Board of Studies shall transmit the names of the examiners and the substance of their reports.
11. The Academic Board shall determine the result of the candidature.
 12. On the award of the degree the Registrar shall lodge one bound copy of the published work with the University Librarian.

Graduate Diploma in Public Health Dentistry (DPH Dent)

1. (1) The Faculty of Dentistry may admit to candidature for the Graduate Diploma in Public Health Dentistry—
 - (a) a graduate in dentistry of the University of Sydney; or
 - (b) a graduate of the University of Sydney who has completed courses acceptable to the Faculty of Dentistry.
- (2) The Academic Board may, on the recommendation of the Faculty, admit to candidature an applicant who has completed courses acceptable to the Faculty and who—
 - (a) is a graduate of another university; or
 - (b) is registered or registrable as a dental practitioner in the country in which the dental qualifications were obtained and such qualifications have been approved by the Faculty for the purposes of the diploma.
2. The Faculty shall appoint a person who is a member of the academic staff of the University to act as supervisor of the candidate.
3. A candidate shall—
 - (a) for a period of not less than one year as a full-time candidate or two years as a part-time candidate follow such course of studies as the Head of the Discipline of Public Health Dentistry prescribes, including Public Health, Dental Public Health and Preventive Dentistry;
 - (b) pass examinations in the subjects of Public Health, Dental Public Health and Preventive Dentistry;
 - (c) within such period after such examinations as the Faculty prescribes, submit two copies (printed or typewritten) of an essay of up to 5000 words on a topic approved by the Head of the Discipline.
4. The award of the diploma shall be subject to the completion of the coursework, the essay and the examinations to the satisfaction of the Faculty on the recommendation of the Head of the Discipline of Public Health Dentistry.
5. The diploma shall be awarded in three grades, namely Pass, Credit, Distinction.

Graduate Diploma in Clinical Dentistry [DipClinDent(Discipline)]

1. The title of the diploma shall include in parenthesis, the discipline undertaken.
2. The Graduate Diploma in Clinical Dentistry may be taken in the disciplines (a) Conscious Sedation and Pain Control; (b) Oral Implants.
3. (1) An applicant for admission to candidature for the Graduate Diploma in Clinical Dentistry shall, except as provided in subsection (2), be a Bachelor of Dental Surgery of the University of Sydney.
(2) An applicant who is a graduate in dentistry of another university or having obtained equivalent qualifications in an appropriate institution, has completed courses acceptable to the Faculty may be admitted as a candidate by the Academic Board on the recommendation of the Faculty, provided that the applicant's qualifications are registrable with the Dental Board of New South Wales.
4. A candidate shall:
 - (1) (a) (Conscious Sedation and Pain Control)
for a period of not less than one year and not more than five years, complete a course of studies of five hundred hours as prescribed by the Faculty which may include up to two hundred hours from courses supervised by the Committee for Continuing Education in Dentistry; and

- (b) (Oral Implants)¹

for a period of not less than one year and not more than three years, complete a course of studies of five hundred hours as prescribed by the Faculty; and

- (2) complete all coursework and assignments and pass the examinations in the approved courses.

Doctor of Philosophy (PhD)

The degree of Doctor of Philosophy is a research degree awarded for a thesis considered to be a substantially original contribution to the subject concerned. Some coursework may be required (mainly in the form of seminars) but in no case is it a major component.

Applicants should normally hold a master's degree or a bachelor's degree with first or second class honours of the University of Sydney, or an equivalent qualification from another university or institution. The degree may be taken on either a full-time or part-time basis.

In the case of full-time candidates, the minimum period of candidature is two years for candidates holding a master's degree or equivalent, or three years in the case of candidates holding a bachelor's degree with first class or second class honours; the maximum period of candidature is normally five years.

Part-time candidature may be approved for applicants who can demonstrate that they are engaged in an occupation or other activity which leaves them substantially free to pursue their candidature for the degree. Normally the minimum period of candidature will be determined on the recommendation of the Faculty but in any case it will not be less than three years; the maximum period of candidature is normally seven years.

The Faculty may also require the candidate to sit for any further examinations it determines.

Further information is available on request from the Faculty Secretary.

Enrolment Regulations

Discontinuation of enrolment and readmission after discontinuation — postgraduate

All Faculties, Colleges, Boards of Studies and Graduate Schools — all candidates

1. A candidate will be presumed to have discontinued enrolment in a course, degree or diploma from the date of application to the Faculty, College Board, Board of Studies or Graduate School concerned, unless evidence is produced (i) that the discontinuation occurred at an earlier date and (ii) that there was good reason why the application could not be made at the earlier time.
2. A candidate who at any time discontinues enrolment from a degree or diploma shall not be entitled to re-enrol in that degree or diploma unless the candidate is re-admitted to candidature for that degree or diploma.
3. Subject to paragraphs (i) and (ii) of section 1, candidates may not discontinue enrolment in a course after the end of classes in that course, unless the degree or diploma regulations permit otherwise.
4. The Dean, Pro-Dean or a Sub-Dean of a Faculty, Director or Deputy Director of a College, a Chairperson of a Board of Studies or a Chairperson of a Graduate School may act on behalf of that Faculty, College Board, Board of Studies or Graduate School in the administration of these resolutions.

Candidates proceeding mainly by coursework

Withdrawal from full-year and First Semester courses

5. A candidate for a degree or diploma who discontinues enrolment in a full-year or First Semester course on or before 30 March in that year, shall be recorded as withdrawn from that course.

Withdrawal from Second Semester courses

6. A candidate for a degree or diploma who discontinues enrolment in a Second Semester course on or before 30 August in that year, shall be recorded as withdrawn from that course.

Discontinuation

7. A candidate for a degree or diploma who discontinues enrolment in a course after the withdrawal period but before the end of classes in that course, shall be recorded as 'Discontinued with Permission' in that course, unless the degree or diploma resolutions permit otherwise.

Candidates proceeding mainly by thesis

Withdrawal

8. A candidate who discontinues enrolment in a course or degree before the end of the fifth week of enrolment, shall be recorded as having withdrawn from that course or degree.

Discontinuation

9. A candidate who discontinues enrolment in a course or degree after the end of the fifth week of enrolment shall be recorded as 'Discontinued with Permission'.

Committee for Continuing Education in Dentistry

Chair: Director Continuing Education — (vacant)

The Continuing Education in Dentistry Unit has the following objectives:

1. To provide courses of continuing education in all fields of dentistry for dental graduates. Over 600 courses have been conducted, and 1996 is the Continuing Education Unit's 49th year of operation. The courses range from short courses of half-day duration to longer courses conducted over a number of days, either lumped together or spread over a number of weeks/months/years. There may be 'hands-on' or lecture programs, including courses of a specialised nature or general update courses for the general practitioner.
2. To provide assistance to the Faculty of Dentistry by way of a half-time lectureship, updating programs for Faculty staff and students and assistance in minor equipment needs.
3. To provide funds for research.

The courses, which do not lead to degrees (but may be included as part of the requirements leading to diplomas), are primarily open to all registered dentists. Attendance certificates are given to participants of courses. In addition, medical practitioners and other groups interested or involved in general fields of dentistry may also attend. Members of the dental profession in New South Wales and the Australian Capital Territory are regularly circularised and the program is also sent to other Australian states and to New Zealand. Special courses are also advertised overseas.

The Committee also invites overseas clinicians and lecturers to present courses, and operates in conjunction with the programs of the Australian Dental Association at both the state and federal levels.

Enquiries about the Committee's program can be addressed to the Secretary, Committee for Continuing Education in Dentistry, United Dental Hospital, 2 Chalmers Street, Surry Hills, N.S.W. 2010.

Postgraduate Scholarships

The table following summarises the scholarships available to postgraduates in the Faculty of Dentistry. Values and closing dates are subject to change and potential applicants are advised to contact the Scholarships Office, Main Quadrangle, for further information.

Scholarships offered by external bodies

Graduates in dentistry may also apply for the following awards offered by external bodies:

The Rhodes Scholarship

The Nuffield Foundation Dominion Travelling Fellowship

The Gowrie Postgraduate Research Scholarships

The Rotary Foundation Fellowships

Commonwealth Scholarships, tenable in other British Commonwealth countries under the Commonwealth Scholarship and Fellowship Plan

Caltex Woman of the Year Scholarships

All postgraduate scholarships are advertised in the Bulletin Board which is available in Departments or from the Scholarships Office.

| Award | Value \$ | Applications close | Qualifications |
|---|---------------------------|---------------------------|---|
| <i>Tenable at the University of Sydney</i> | | | |
| Australian Postgraduate Awards | 15 364 plus allowances | 15 October | Graduates with Hons I or equivalent enrolling for a higher degree |
| National Health and Medical Research Council Dental Research Scholarships | 22 850 | 23 June | Graduates enrolled for higher degrees |
| <i>Tenable overseas</i> | | | |
| Harriett Beard | 15 500 | November | Graduates in the physical scienc, veterinary science, dentistry or engineering of not more than 4 years' standing |
| Charles Gilbert Heydon Travelling Fellowship in Biological Science | 10 500 | November | Graduates in Faculties of Medicine, Science, Dentistry, Veterinary Science and Agriculture of not more than 4 years' standing |
| Herbert Johnson Travel Grants | 1000 | 31 May | Graduates who hold other travelling scholarships or grants |
| James King of Irrawang (travel grant) | 1000 | 31 May | Graduates of any faculty of not more than 4 years' standing |
| Oral B Travel Grant | up to 5000 | as advertised | Dental graduates wishing to examine developments overseas in preventive dentistry |
| J.B. Watt | 15 500 | November | First class honours graduates in any faculty |
| Eleanor Sophia Wood Travelling Fellowship | up to 35 000 (taxable) | November | Graduates with at least 3 years' research or teaching at University of Sydney |

9. General Information

Admissions Office

Student Centre
Ground Floor
F07 - Carslaw
The University of Sydney
NSW 2006 Australia
Phone +612 93514117
+612 93514118
+61 2 9351 3615 — Special Admissions
(including Mature Age)
Fax +612 93514869
E-mail admissions@records.usyd.edu.au

This office services prospective local undergraduate students. Applicants without Australian citizenship or permanent residency should contact the International Office. Postgraduate students should contact the appropriate faculty.

Assessment

For matters regarding assessment, refer to the relevant Department.

Co-op Bookshop

Transient Building
F12-Transient
The University of Sydney
NSW 2006 Australia
Phone +612 93513705
+612 93512807
Fax +6129660 5256
E-mail sydu@mail.coop-bookshop.com.au
Website <http://mail.coop-bookshop.com.au/coop.html>
Sells textbooks and general books. Special order services available.

Enrolment and pre-enrolment

Students entering first year

Details of the enrolment procedures will be sent with the UAC Offer of Enrolment. Enrolment takes place at a specific time and date, depending on your surname and the Faculty in which you are enrolling, but is usually within the last two weeks of January. You must attend the University in person or else nominate, in writing, somebody to act on your behalf. On the enrolment day, you pay the compulsory fees for joining the student Union, the Students' Representative Council and sporting bodies. You also choose your first-year units of study, so it's important to consult the Handbook before enrolling.

All other students

The Student Information Bulletin is sent to all enrolled students in early to mid-October, and contains instructions on the procedure for pre-enrolment.

Examinations

Examinations and Exclusions Office
Student Centre
Level 1
F07 - Carslaw
The University of Sydney
NSW 2006 Australia
Phone +612 93514005
+612 93514006
Fax +612 93517330
E-mail Exams.Office@exams.usyd.edu.au
The Examinations and Exclusions Office looks after exam papers, timetables and exclusions.

Graduations

Ground Floor, Student Centre
F07 - Carslaw
The University of Sydney
NSW 2006 Australia
Phone +612 93514009
Fax +612 93515072
E-mail Naomi@records.usyd.edu.au

(Grievances) Appeals

Many decisions about academic and non-academic matters are made each year and you may consider that a particular decision affecting your candidature for a degree or other activities at the University may not have taken into account all the relevant matters. In some cases the by-laws or resolutions of the Senate (see Calendar Volume 1) specifically provide for a right of appeal against particular decisions; for example, there is provision for appeal against academic decisions, disciplinary decisions and exclusion after failure.

Normally a matter should be resolved by discussing it with the academic staff member concerned, or with a senior member of staff within the department. However, a situation could arise where you might wish to have a decision reviewed or to draw attention to additional relevant information. In this case you should put your case in writing to the head of department and if you're still not satisfied with the result you should contact your Dean. Only after following these steps can you appeal to the Senate. In the case of examination results the appeal may be made to the department. Parking appeals should be addressed to the Manager, Campus Services. You may wish to seek assistance or advice from the SRC regarding an appeal; if so, contact the

Education/Research Officer
Level 1
Wentworth Building
Phone +61 2 9660 5222

HECS, fees, other charges

Phone +61 2 9351 5659, 9351 2086, 9351 5499 and 9351 5062
Fax +612 93515081
+612 93515350

Library (Fisher)

F03 - Fisher Library
The University of Sydney
NSW 2006 Australia
Phone +61 2 9351 2993 — Enquiries - Information Desk
+61 2 9351 3711 — Library Hours
+61 2 9351 7273 — Borrowers' Cards
+61 2 9351 6692 — Holds Enquiries
+61 2 9351 7277 — Inter-library Loans
+612 9351 2265 — Loans, overdues enquiries
Fax +612 9351 2890 — Administration
+61 2 9351 7278 — Renewals
E-mail loaneng@hbrary.usyd.edu.au—Loan and Library enquiries
reqill@library.usyd.edu.au — Inter-library Loans
Website
<http://www.library.usyd.edu.au/> — Fisher Library Home Page
<http://www.library.usyd.edu.au/Services/Libraries/Fisher/index.html>

Student Centre

Ground Floor

F07 - Carslaw Building

The University of Sydney

NSW 2006 Australia

Phone +61 2 9351 3023 — General Enquiries
+61 2 9351 4109 — Academic Records
+61 2 9351 3023 — Discontinuation of Enrolment
+61 2 9351 4109 — Handbooks
+612 93515060 — Prizes

Fax +612 93515081
+612 93515350

E-mail admissions@records.usyd.edu.au

Part-time, full-time

A student is normally considered as full-time if they have a HECS weighting of at least .375 per semester. Anything under this amount is considered a part-time study load. Note that some faculties have minimum study load requirements for satisfactory progress.

Privacy and Freedom of Information

The NSW Freedom of Information (FOI) Act 1989 provides the public with a legally enforceable right of access to University documents, subject to particular exemptions. In addition, the Act enables individuals to ensure that information held about them is accurate, up-to-date and complete. The University has a number of policies permitting access by individuals to information about themselves without recourse to the Freedom of Information Act.

The University necessarily accumulates a great deal of information on individuals; within the Uni, access to this is restricted to staff who need the information to carry out their duties. As regards external requests for personal information, it is policy that the University will disclose information to a third party if the subject of the information has consented in writing to the disclosure, or if the University has a legal obligation to respond to a request, including a subpoena, and the request is in the appropriate written form. Enquiries should be directed to the:

Freedom of Information Coordinator and Privacy Officer

c/-Archives A14

Phone +612 93514263

Fax +612 93517304

E-mail trobinso@mail.usyd.edu.au

Website <http://www.usyd.edu.au/su/foi>

Student Services

Room 711, Level 7

A35 - Education Building

The University of Sydney

NSW 2006 Australia

Website <http://www.usyd.edu.au/su/stuserv/> Student Services

Accommodation Service

Phone +612 93513312

Fax +612 93517055

E-mail larthur@mail.usyd.edu.au

Website

<http://www.usyd.edu.au/su/accom/> Student Accommodation

Casual Employment

Phone +61 2 9552 2589

Fax +61 2 9552 2589

E-mail mross@mail.usyd.edu.au

Website http://www.usyd.edu.au/su/cas_emp/ Casual Employment

Counselling Service

Phone +612 93512228

Fax +612 93517055

E-mail myoung@mail.usyd.edu.au

Disability and Welfare Services

Phone +612 93514554

Fax +612 93517055

E-mail cstuckin@mail.usyd.edu.au

Website [http://www.usyd.edu.au/su/disability/Disability Services](http://www.usyd.edu.au/su/disability/Disability_Services)

Financial Assistance

Phone +612 93512416

Fax +612 93517055

Refer to the University of Sydney Calendar 1996, Volume 2, for a listing of all undergraduate and postgraduate sources, conditions and benefits or financial support funded by the University.

E-mail psweet@mail.usyd.edu.au

Website http://www.usyd.edu.au/su/fin_assist/ Financial Assistance

Learning Assistance Centre

Phone +612 93513853

Fax +612 93514865

E-mail lewalker@mail.usyd.edu.au

Website <http://www.usyd.edu.au/su/lac/>

Other student assistance

Careers Centre

Room 147, Ground Level

KOI - Mackie Building (Arundel St, Forest Lodge)

The University of Sydney

NSW 2006 Australia

Phone +612 93513481

Fax +612 93515134

E-mail srawhng@careers.usyd.edu.au — General Enquiries

asharp@careers.usyd.edu.au — Library

Website

<http://www.usyd.edu.au/homepage/exterel/careers/index.htm>

Provides careers advice and information, Graduate Employment Services and graduate Labour market information to students and staff.

Centre for Continuing Education (bridging courses)

KOI-Mackie

The University of Sydney

NSW 2006 Australia

Phone +612 93512907

Fax +612 93515022

E-mail info@cce.usyd.edu.au

Website

http://www.usyd.edu.au/homepage/exterel/cont_edu/cont_edu.htm

Health Service

Level 3, G01 - Wentworth

The University of Sydney

NSW 2006 Australia

Phone +612 9351 3484 — Wentworth

+612 93514095 — Holme

+612 93510636 — Mallett

Fax +61 2 9351 4110 — Wentworth

+612 93514338 — Holme

+612 93510580 — Mallett

E-mail P.Brown@unihealth.usyd.edu.au

Provides full general practitioner services and emergency medical care to the University community

Koori Centre

Room U201
A22 - Old Teachers' College
The University of Sydney
NSW 2006 Australia
Phone +612 9351 2046 — General Enquiries
+61 2 9351 7001 — Liaison Officer
+61 2 9351 7073 — Student Counsellor
Fax +612 93516923
E-mail adminoff@koori.usyd.edu.au
Website <http://www.koori.usyd.edu.au/centre/>

The Koori Centre runs the AEA training program, supports Aboriginal and Torres Strait Islander students on campus and during enrolment. There is also an educational unit which supports Aboriginal studies in the University.

Language Centre

Room 312, A19 - Griffith Taylor
A18 - Christopher Brennan
The University of Sydney
NSW 2006 Australia
Phone +61 2 9351 2683
Fax +612 93514724
E-mail Langcent.Enquiries@language.usyd.edu.au
Website <http://www.arts.su.edu.au/language.centre/intro.html>

Provides self-access course materials in over 100 languages; beginners and intermediate courses in Spanish language and Culture; beginners and advanced courses in Celtic languages and cultures.

Mathematics Learning Centre

Room 441
F07 - Carslaw
The University of Sydney
NSW 2006 Australia
Phone +612 93514061
Fax +612 93515797
E-mail MLC@mail.usyd.edu.au
Website <http://www.usyd.edu.au/su/mlc/MLC.html>

Scholarships

Research and Scholarships Office
Scholarships Administration Room N410.1, A14
A14 - Main Quadrangle
The University of Sydney
NSW 2006 Australia
Phone +612 93513250
Fax +612 93513256
E-mail scholars@reschols.usyd.edu.au
Website <http://www.usyd.edu.au/homepage/exterel/su/reschols/index.html>

International students

International Office

Level 2
K07-Margaret Telfer
The University of Sydney
NSW 2006 Australia
Phone +612 93514161
+612 93514079
Fax +612 93514013
E-mail info@io.usyd.edu.au

International Student Services Unit

Level 2
K07 - Margaret Telfer Building
The University of Sydney
NSW 2006 Australia
Phone +612 93514749
Fax +612 93514013
E-mail info@issu.usyd.edu.au
Website

<http://www.usyd.edu.au/su/issu/> International Student Services Unit
Website
http://www.usyd.edu.au/homepage/exterel/international_student_centre.html

Provides an advisory and counselling service to international students at The University of Sydney.

Student organisations

Students' Representative Council

Level 1, Wentworth G01
The University of Sydney
NSW 2006 Australia
Phone +61 2 9351 2871 — President, Honi Soit
+61 2 9660 4756 — Bookshop
+61 2 9660 5222 — Legal Aid
Fax +612 9660 4260

University of Sydney Union

Box 500 Holme Building
A09 - Holme
The University of Sydney
NSW 2006 Australia
Phone +61 2 9563 6000 — Switchboard/Enquiries
+61 2 9563 6282 — Academic Dress
+612 9563 6103 — ACCESS Centre, Manning
+61 2 9563 6269 — Campus Store, Holme
+61 2 9563 6016 — Campus Store, Wentworth
+61 2 9563 6160 — Clubs and Societies Office
+61 2 9563 6010 — School Tutoring Co-ordinator
+61 2 9563 6032 — Union Broadcasting Studio
+61 2 9563 6115 — Welfare and
Information Services Manager

Fax +61 2 9563 6239
E-mail enquiries@union.usyd.edu.au
Website <http://www.usu.usyd.edu.au/>
Provides welfare, social and recreational services to the University community.

Sydney University Sports Union

G09 - Sports and Aquatic Centre
The University of Sydney
NSW 2006 Australia
Phone +612 93514960
Fax +612 93514962
Provides services, facilities and clubs for sport, recreation and fitness.

Women's Sports Association

Room 214
A30 - Sports Centre
The University of Sydney
NSW 2006 Australia
Phone +61 2 9660 6355
+612 93512057
Fax +61 2 9660 0921
E-mail jlawler@mail.usyd.edu.au
Website <http://www.usyd.edu.au/su/suwsa/welcome.html>

Provides for students, predominantly women, to participate in sport and recreation through the provision of facilities, courses and personnel.

10. Glossary of Terms

Applying for a course

Admissions

The Admissions Office is responsible for overseeing the distribution of offers of enrolment and can advise prospective students regarding admission requirements.

Application

Prospective (intending) students must lodge an application form with the Universities Admissions Centre (UAC) by the last working day of September of the year before enrolment. Note that some faculties, such as Dentistry and Sydney College of the Arts, have additional application procedures.

Mature age

A category of Special Admission applicants who are 21 years or older on 1 March of the year in which they want to study and who do not have the high school qualifications normally required for entry into a course.

Special Admission

Certain categories of applicants, such as mature-age applicants, students who have experienced educational disadvantage or Aboriginal or Torres Strait Islander applicants, may apply for admission to the University under one of several Special Admission schemes. Contact the Special Admissions office for further information.

TER

The Tertiary Entrance Rank (TER) is the numerical expression of a student's performance in the NSW Higher School Certificate (HSC), which takes into account both assessment and examination results.

TER cut-off

The TER of the last student admitted to a course. Some courses have a minimum TER.

Universities Admissions Centre (UAC)

The organisation that processes applications for most NSW undergraduate university and TAFE courses.

Enrolment and general terms

Academic year

The period during which teaching takes place, from February to November. The academic year is divided into two semesters.

Advanced standing

(See also: Credit) Recognition of previous experience or studies, meaning that the candidate has satisfied the entry requirements for a unit. Advanced standing does not reduce the number of credit points required to complete the degree course.

Associate Diploma

The undergraduate award granted following successful completion of Associate Diploma course requirements. An Associate Diploma course usually requires less study than a Diploma course.

Assumed knowledge

The level of knowledge expected for entry to a Unit of Study. Unlike prerequisites, levels of assumed knowledge are not compulsory for entry to a Unit. Students who do not have the assumed knowledge may, however, be at a considerable disadvantage and may consider completing a bridging course prior to enrolment. Contact the Learning Assistance Centre, Mathematics Learning Centre, Language Centre or Centre for Continuing Education for further information.

Bachelor's degree

The highest undergraduate award offered at the University of Sydney (other undergraduate awards are Associate Diploma and Diploma). A Bachelor's degree course normally requires three or four years of full-time study (or the part-time equivalent).

Campus

The grounds on which the University is situated. There are eleven campuses of the University of Sydney: Burren Street (Graduate School of Business), Camperdown and Darlington ("Main campus"), Camden (Agriculture and Veterinary Science), Conservatorium (Conservatorium of Music), Cumberland (Health Sciences and Nursing), Mallett Street (Nursing), Orange Agricultural College, Rozelle (Sydney College of the Arts), St James (Law) and Surry Hills (Dentistry).

Chancellor

(See also: Vice-Chancellor) The non-resident head of the University.

Combined degree course

A program consisting of two degree courses taken together, which usually requires less time than if the courses were taken separately.

Core

(See also: Elective/Option) A Unit of Study that is compulsory for the course or subject area.

Corequisite

A Unit of Study that must be taken with a given Unit. If a corequisite is not successfully completed, it becomes a prerequisite for further study in that subject area.

Course

A complete degree or diploma program.

Credit

(See also: Advanced standing) Recognition of previous studies or studies completed at another institution. If credit is granted then the number of credit points required for completion of the degree course is reduced.

Credit point

A measure of value indicating the contribution each Unit of Study provides towards meeting course completion requirements stated as total credit point value.

Dean

The head of a faculty.

Deferment of enrolment

Persons who have not previously attended a recognised tertiary institution are normally able to defer commencement of their candidature for one year. Applications are handled by the Admissions Office of the University. Application for deferment must be made during the UAC enrolment week at the "Deferment" desk in MacLaurin Hall and be accompanied by the "offer of enrolment" card.

Degree

The award conferred following successful completion of a degree course (for example Bachelor's degree or Master's degree).

Department/School

The academic unit responsible for teaching in a given subject area.

Diploma

The award granted following successful completion of Diploma course requirements. A Diploma course usually requires less study than a degree course. Graduate Diploma courses are for graduates only.

Doctorate

(See also: PhD) The Doctorate awards and the PhD are the highest awards available at the University of Sydney. A Doctorate course normally involves research and coursework; the candidate submits a thesis that is an original contribution to the field of study. Entry to a Doctorate course often requires completion of a Master's degree course. Note that the Doctorate course is not available in all Departments of the University of Sydney.

Elective/Option

(See also: Core) A Unit of Study that may be taken towards, but is not compulsory for, a course or subject area.

Enrolment

The process whereby an applicant officially accepts the offer of a place in a particular course. If UAC application is successful, an "offer of enrolment" card is mailed to the applicant, along with instructions for enrolment. In most cases, the applicant must attend the University on a particular enrolment day or, if unable to attend, must appoint somebody to enrol on their behalf. Units of Study must be nominated on enrolment day. Academic records and HECS liability calculations are based on the enrolment details, so students must ensure that the Faculty holds correct enrolment information (see also: Variation of enrolment).

Entry requirement

The level of knowledge and/or experience required for entry to a particular Unit of Study.

Faculty

The administrative unit responsible for overseeing satisfactory progress during a degree or diploma course.

Full-time

A study load usually defined in terms of HECS weighting of at least .375 per semester.

Intermediate

Faculty of Science: Second-year level.

Junior

First-year level.

Laboratory practical

See: Practical.

Lecture

(See also: Tutorial) A class given to a large group of students, during which the lecturer speaks or presents audiovisual material and students take notes.

Major

The subject area(s) in which a student specialises at Senior level. Students usually specialise in one (single major) or two (double major) subject areas. The major is usually recorded on the testamur.

Master's degree

A postgraduate award. Master's degree courses may be offered by coursework, research only or a combination of coursework and research. Entry to the course often requires completion of an Honours year at undergraduate level.

Minor

Subject areas in which a student studies, but does not specialise at Senior level.

Orientation period

"O' Week" takes place during the week prior to lectures in February semester. During O' Week, students can join various clubs, societies and organisations, register for courses with Departments and take part in activities provided by the University of Sydney Union.

Part-time

A study load usually defined in terms of HECS weighting of less than .375 per semester.

PhD

(See also: Doctorate) The Doctor of Philosophy (PhD) and other Doctorate awards are the highest awards available at the University of Sydney. A PhD course is normally purely research-based; the candidate submits a thesis that is an original contribution to the field of study. Entry to a PhD course often requires completion of a Master's degree course. Note that the PhD course is available in most Departments of the University of Sydney.

Postgraduate

The term used to describe a course leading to an award such as Graduate Diploma, Master's degree or PhD, which usually requires prior completion of a relevant undergraduate degree (or diploma) course. A "postgraduate" is a student enrolled in such a course.

Practical

Similar to a tutorial, during which experiments or other relevant applied activities are carried out.

Prerequisite

A Unit of Study that must be taken prior to entry to a given Unit.

Recommended reading

Reading material that is suggested but not compulsory for a Unit of Study.

Registrar

The head of the administrative divisions of the University.

Registration

In addition to enrolling (with the Faculty) in Units of Study, students must register with the Department responsible for teaching each Unit. This is normally done during the Orientation period (O' Week). Note that unlike enrolment, registration is not a formal record of Units attempted by the student.

Resolutions of Senate

Regulations determined by the Senate of the University of Sydney that pertain to degree and diploma course requirements and other academic matters.

School

Similar to a large Department, otherwise a grouping of Departments.

Semester

A period of fourteen weeks during which teaching takes place. There are two semesters per year for most faculties.

Senior

Second-year level or higher.
Faculty of Science: third-year level.

Subject area

One or more Units of Study that comprise a particular field of study (eg Japanese or Chemistry).

Textbook

Reading material that the student is expected to own.

Tutorial

(See also: Lecture) A small class consisting of a tutor and up to about 25 students, during which concepts raised in lectures are discussed in detail and may be supplemented with readings, demonstrations and presentations.

Undergraduate

The term used to describe a course leading to a diploma or Bachelor's degree. An "undergraduate" is a student enrolled in such a course.

Unit of Study

A stand-alone component of a degree or diploma course that is recordable on the academic transcript.

Variation of enrolment

The process whereby students officially notify the Faculty of changes regarding the Units of Study they are attending. This must be done by a certain deadline in each semester, to avoid penalties such as "discontinued" results on the academic transcript (see: Results) or unnecessary HECS charges.

Vice-Chancellor

(See also: Chancellor) The administrative head of the whole University, including academic and administrative divisions.

Costs

Bursary

A sum given to a student who has limited resources or is experiencing financial hardship, ranging from \$100 to \$1,000.

Fees (full-fee undergraduate/postgraduate)

Tuition, examination or other fees payable to the University by an enrolled or enrolling student in connection with a course of study or attendance at the University and includes fees payable in respect of the granting of a degree, diploma, associate diploma or other award. It does not include annual subscription to organisations such as the Union or SRC or fees payable in respect of residential accommodation.

HECS

All Australian undergraduate students are currently required to contribute to the cost of tertiary education through the Higher Education Contribution Scheme (HECS) which is administered under the Higher Education Funding Act 1988. Under HECS students pay for part of the cost of their higher education and the Commonwealth pays the rest. The amount payable is determined by the units of study a student chooses to undertake in the case of coursework awards, or the attendance (full-time or part-time) in the case of research students.

Prize

Matriculation, undergraduate and postgraduate funding automatically awarded on academic results in courses, yearly examinations or on the recommendation of the Head of Department. There are also prizes for essay writing and composition by anonymous application. Prize values range from \$100 to \$6,250.

Scholarship

Matriculation and undergraduate funding by application awarded on TER results for students enrolling in the first year of a degree course. Postgraduate funding for full-time candidates enrolled in a research degree course with scholarship conditions and benefits varying according to specific awards. The intention is to encourage and support scholarship at the University in general or in targeted areas.

Assessment, Examination, Satisfactory Progress and Graduation

Academic transcript/record

The official record of results for each student (see: Results).

Appeals

The process whereby a student may raise objections regarding results, Faculty decisions or other academic matters.

Assessment

(See also: Examination) The appraisal of a student's ability throughout the semester, by various means such as essays, practical reports or presentations, which counts towards the final mark or grade.

Candidate

Someone studying for a degree or diploma. The term may also be used to describe someone sitting for an examination.

Examination

(See also: Assessment) The appraisal of a student's ability, usually at the end of semester. Most examinations take place on campus under strictly supervised conditions but some Units make use of take-home or open-book examinations.

Exclusion

A ruling by the Faculty, which declares the student ineligible for further enrolment for reasons such as lack of satisfactory progress. Students who wish to re-enrol must show good cause why they should be allowed to re-enrol (see: Show cause and Satisfactory progress).

Grievances

see appeals

Grade

A category into which a student's final mark falls (see: Results).

Graduand

A person who has fulfilled the requirements of a degree but is yet to graduate.

Graduate

(See also: Postgraduate) A person who has graduated. Also a term used to describe a course leading to an award such as Master's degree or PhD or a student enrolled in such as course.

Graduation

The ceremony during which degrees are conferred and diplomas awarded.

Honours degree

A Bachelor's degree for which extra work (course work and/or thesis) has been completed, usually requiring an extra year of study.

Mark

(See also: Grade) The numerical result of assessments and/or examinations for a Unit of Study, which may be converted to a grade.

Pass degree

A Bachelor's degree.

Re-enrolment

The process by which continuing students enrol in Units of Study.

Results

The official statement of the student's performance in each Unit of Study attempted, as recorded on the academic transcript, usually expressed as a grade:

| | |
|-------------------------|--|
| <i>High Distinction</i> | a mark of 85% and above |
| <i>Distinction</i> | a mark of 75-84% |
| <i>Credit</i> | a mark of 65-74% |
| <i>Pass</i> | a mark of 50-64% |
| <i>Terminating Pass</i> | whereby the student is deemed to have completed Unit requirements, but is not permitted to re-enrol in order to attempt to achieve a higher grade. |
| <i>Fail</i> | a mark of less than 50% |
| <i>Withdrawn</i> | This is the same as if the candidate had not enrolled in the course concerned. Although the University has a record of the withdrawal, the course and result will not appear on the official academic transcript. There is no HECS liability either. In order to have a course recorded as "withdrawn", notice must be given by the candidate to the Faculty office on or before the deadline. Refer to the section on degree regulations. |

Discontinued with Permission This does not count as an attempt at the particular course, but does appear on the candidate's academic record. A candidate may have enrolment recorded as "discontinued with permission" where: 1. notice is given to the faculty office on or before the deadline or; 2. after the deadline, evidence is produced of serious illness or misadventure. Refer to the section on degree regulations for deadlines. Discontinuation with permission does not mean that the student's progress is considered to be satisfactory.

Discontinued

This counts as an unsuccessful attempt at the course concerned and appears on the candidate's academic record. Where notice is given after the deadline for "discontinued with permission" but before the last day of lectures for the course, the result is "Disc". Refer to the section on degree regulations for deadlines.

Absent Fail

If the candidate misses the deadline for "discontinued" and does not sit the final exam, the result is "absent fail".

Satisfactory progress

A minimum standard of performance required for continuation of enrolment. Senate resolutions rule that if a student fails or discontinues a year of candidature or a Unit of Study more than once then he or she is ineligible for re-enrolment (see: Exclusion and Show cause). Note that some faculties may have alternative or additional requirements for satisfactory progress.

Show cause

The Faculty may require a student to show good cause why he or she may be allowed to continue in the degree or diploma course, where requirements for satisfactory progress have not been met (see: Exclusion and Satisfactory progress).

Special consideration

The process whereby enrolled students who have experienced significant educational disadvantage may have their assessment deadlines or grades revised.

Study Vacation (Stuvac)

The week prior to the examination period in each semester, during which no classes are held.

Supplementary examination

An extra or alternative examination taken by a student who has experienced significant educational disadvantage during semester or the examination period. Note that some faculties do not offer supplementary examinations (see also: Special consideration).

Suspension of candidature

A complete break in the studies of an enrolled student, usually for a period of one year. Applications are handled by the Faculty office. (Those wishing to postpone commencement of a course need to apply for deferment, see: Deferment of enrolment).

Testamur

The document given to the graduand at graduation.

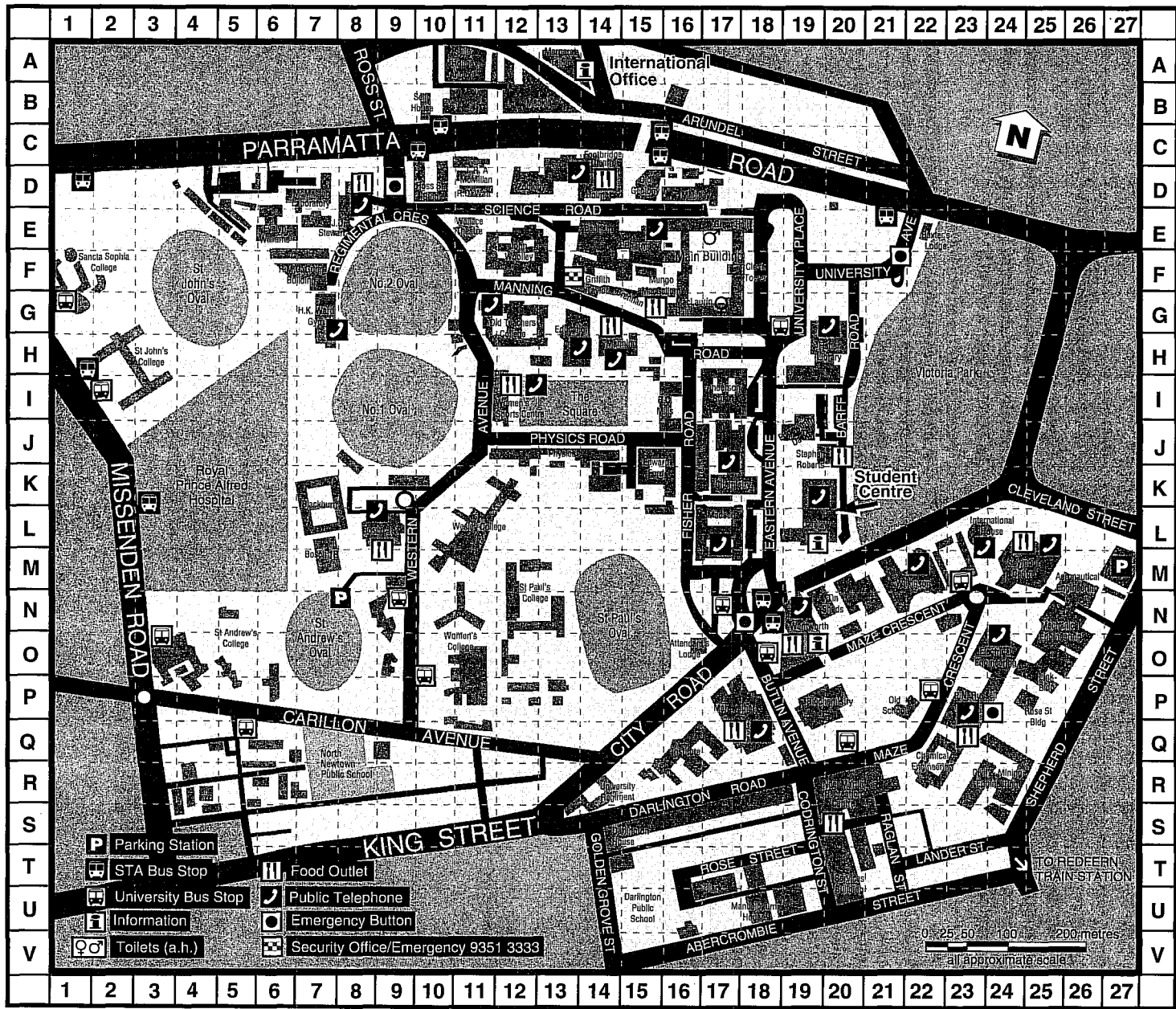
Thesis

A piece of written work (sometimes called a dissertation) by a student, normally a candidate for an Honours degree or a higher award (such as Master's degree or PhD).

Weighted Average Mark (WAM)

A numerical expression of a student's performance throughout their degree program, usually assigning more "weight" to Senior or Honours years. Note that the WAM calculation may differ for purposes such as eligibility to various scholarships and will vary from faculty to faculty.

University of Sydney - Map of Main Campus



| | | | | | | | |
|---|------|---|----------|---------------------------------------|------|--|-----|
| Academic & Executive Services | 16E | Development Office | 160 | Mechanical Engineering | 25N | Stephen Roberts Theatre | 20J |
| Accounting | 17P | Disability & Welfare Services | 13G | Media Office | 16E | Stewart, J.D., Bkfg | 8E |
| Accommodation Service | 13G | Econometrics | 17P | Medical Radiation Technology | Cumb | Stores | 207 |
| Administrative Policy & Strategic Planning Division | 16E | Economic History | 17P | Medicine | 7K | Student Centre | 19K |
| Administrative Support Services Division | 16E | Economics, Dept & Faculty Office | 17P | Medicine, Dept of | 7K | Student Services | 13G |
| Aeronautical Engineering | 26M | Edgeworth David Bldg | 19J | Medicine Faculty Office | 15K | SRC | 19N |
| Agricultural Chemistry & Soil Science | 10D | Education Bldg & Faculty Office | 13G | Merewether Bkfg | 17P | SUPRA | 4R |
| Agricultural Economics | 11D | Educational Development & Evaluation | 15K | Microbiology | 20P | Surgery | 7K |
| Agriculture Faculty Office | 11C | Educational Psych., Measurement & Technology | 13G | Mills, R.C., Bkfg | 151 | SydU-tech | 19U |
| Alma Street Glasshouse | 23N | Edward Ford Bkfg | 15K | Mungo MacCallum Bkfg | 15G | Systems Development | 13A |
| Anaesthesia | 7K | Electrical Engineering | 240 | Music | 24M | Teaching & Curriculum Studies | 13G |
| Anderson Stuart Bldg | 17I | Employment Service, Casual | 14C | Nicholson Museum | 16G | Tit Sheds Gallery | 20M |
| Anatomy & Histology | 17I | Engineering Faculty Office | 250 | Nursing Therapeutics | Cumb | Trades & Grounds Services | 207 |
| Animal Health | Camb | English | 12E | Obstetrics & Gynaecology | 9K | Traffic Office | 14F |
| Animal Science | 7F | Equal Employment Opportunity Unit | 16S | Occupational Health | 15K | Transient Bkfg | 16J |
| Anthropology | 16F | Evelyn Williams Bkfg | 6E | Occupational Therapy | Cumb | Union, University of Sydney | 19N |
| Archaeology, Classics & Ancient History | 16F | Experimental Medicine | 7K | Old Geology Bkfg | 15D | Unistaff | 19U |
| Architectural & Design Science | 22M | External Relations Division | 16E | Old School Bkfg | 21P | University Collection | 19H |
| Architecture, Dept & Faculty Office | 22M | Facilities Planning, Office of | 20T | Old Teachers'College Bkfg | 12G | University of Sydney Club | 15G |
| Archives | 19H | Bnaraa/1rst/Mons: | | Operations Accounting | 13A | Urban & Regional Planning | 22M |
| Art Workshop | 20M | Commonwealth | 14C | Orange Agricultural College | OrAg | Veterinary Anatomy | 8E |
| Arts Faculty Office | 16F | Credit Union | 14D | Orthoptics | Cumb | Veterinary Clinic | 6E |
| Asset Management | 13A | National Australia | 15E | Pathology | 7K | Veterinary Clinical Sciences | 6E |
| Asian Studies | 14F | National Australia | 19N | Personnel Services | 13A | Veterinary Pathology | 7E |
| Attendant's Lodge | 160 | Financial Services Division | 16E | Pharmacology | 7M | Veterinary Science Faculty Office | 8D |
| Badham Bkfg 5 Library | 14E | Finance, Dept of | 16Q | Pharmacy | 15E | Vice-Chancellor's Office | 16E |
| Banks (see Financial institutions) | | Financial Management & Reporting | 13A | Philosophy | 17G | Wallace Theatre | 11E |
| Baxter's Lodge | 22E | Financial Services Division | 16E | Photowise Imaging | 20T | War Memorial Gallery | 17E |
| Behavioural & Social Sciences in Nursing | MapB | Fine Arts | 15I | Physics | 13J | Watt, R.D., Bkfg | 11D |
| Behavioural Science | Cumb | Fisher Library | 19G | Physiology | 17I | Wentworth Bkfg | 19N |
| Behavioural Sciences in Medicine | 7K | Footbridge Theatre | 14C | Physiotherapy | Cumb | Wesley College | 11L |
| Biochemistry | 20P | French Studies | 15F | Planning Support Office | 16E | Western Avenue Underground Parking Station | ON |
| Biological Sciences | 16D | Garage, University | 21T | Post Office | 15E | WikinsonBkfg | 22M |
| Biomedical Science | Cumb | Geography | 160 | Printing Services, University | 20T | Women's College | 110 |
| Blackburn BWg | 7K | Geology & Geophysics | 19J | Properties & Investments | 13A | Woolley BWg, John | 12E |
| Bookshops: | | Germanic Studies | 15F | Psychology | 14F | Yeoman Bedell's Office | 17E |
| Medical | 7K | Government & Public Administration | 17P | Purchasing | 13A | Zoology | 12D |
| SRC Secondhand | 19N | Great Hall | 15E | Publications Unit | 16E | | |
| University Co-operative | 16J | Greek, Modern | 14F | Public Health & Community Medicine | 15K | | |
| Bosch 1A (lecture theatres) | 8L | Griffith Taylor Bkfg | 14F | Quadrangle | 17F | | |
| Bosch 1B BWg | 7M | Gunn, R.M.C., Bldg | 7F | Queen Elizabeth II Resesrch Institute | 9K | | |
| Brennan, C. Bldg | 15F | Hearth Information Management | Cumb | Regiment, University | 14R | | |
| Budget Office | 16E | Health Sciences Faculty Office | Cumb | Religion, School of Studies in | 12E | | |
| Business Liaison Office | 11E | Health Service (Holme Bldg, Wentworth Bldg) | 14C, 19N | Research & Scholarships | 16E | | |
| Business Services | 19U | History | 15G | Revenue Services | 13A | | |
| Campus Services | 20T | History 4Philosophy of Science | 19L | Risk Management | 13A | | |
| Careers Centre | 13B | Holme Bkfg | 14C | Rose Street Bkfg | 24P | | |
| Carslaw Bldg | 19L | Industrial Relations, Dept of | 160 | Ross Street BWg | 100 | | |
| Cashiers | 13A | Infectious Diseases | 7K | Russell, Peter Nicol, Bkfg | 23P | | |
| Central Services | 22E | Information Technology Services | 19U | St Andrew's College | 50 | | |
| Central Records Office | 15E | Institute Bkfg | 16Q | St John's College | 3H | | |
| Centre for Teaching & Learning | 19L | International Office & International Student Services | 13A | St Paul's College | 12N | | |
| Chancellor's Committee Shop | 17F | International House | 23L | Sancta Sophia College | 1F | | |
| Chaplains' Centre | 10G | International Preparation Program | 20T | Schools Liaison | 12B | | |
| Chemical Engineering | 22Q | Italian | 151 | Science Faculty Office | 19L | | |
| Chemistry | 17K | Koori Centre | 12G | Security & Bkfg Services | 14F | | |
| Child Care: | | Learning Assistance Centra | 13G | Sells House | 10B | | |
| Boundary Lane | 16U | Linguistics | 16J | Semitic Studies | 17F | | |
| Carillon Avenue | 9Q | Link Bldg | 250 | Senate Room | 17E | | |
| Laurel Tree House (Glebe) | 16B | Lost Property | 14F | Services Bkfg | 207 | | |
| Union (Darlington) | 21S | Mackie Bldg | 13B | Seymour Theatre Centre | 24M | | |
| Civil & Mining Engineering | 24R | MacLaurin Han | 16G | ShephBid St Parking Station | 27M | | |
| Clark Bldg | 17T | Macleay Bkfg (Museum | 16D | Sir Hermann Black Gallery | 19N | | |
| Clock Tower | 17F | MadsenBldg | 17L | Social & Policy Studies in Education | 13G | | |
| Communication Disorders | Cumb | Mail Room (Internal) | 20T | Social Work & Social Policy | 15I | | |
| Community & Alumni Relations | 160 | Main Bkfg | 17F | Sociology | 15I | | |
| Community & Mental Health Nursing | Cumb | Mandebaum House | 18U | Solicitor, University | 16E | | |
| Community Health | Cumb | Manning House | 14H | Sports: | | | |
| Community Medicine | 15K | Margaret Telfer Bkfg | 13A | Noel Martin Recreation Centre | 20R | | |
| Computer Science, Basser Dept | 17L | Marketing, Dept of | 16Q | Sports Union | 7G | | |
| Continuing Education, Centre for | 13B | Marketing & Publications | 16E | Swimming Pool | 20R | | |
| Coppleston Postgraduate Medical Institute | 9K | Mathematics & Statistics | 19L | Tennis courts | 20D | | |
| Counselling Service | 13G | McMaster Laboratory CSIRO | 7D | Ward, H.K., Gymnasium | 7G | | |
| Crop Sciences | 13F | McMillan, J.R.A., Bkfg | 11C | Women's Sports Association | 12I | | |
| Darlington House | 14S | Mechanical & Aeronautical Engineering Bdg | 25N | Statistics Unit | 16E | | |

