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At the University of Sydney, we have been providing oral health education and training since 1901. The Faculty of Dentistry is part of Australia's most comprehensive group of health-related faculties, comprising the University of Sydney's Division of Medicine, Dentistry, Nursing and Pharmacy and its Division of Health Sciences. This breadth and depth in health education and research at Sydney provides our students with outstanding opportunities in research and education which ultimately provide gains in sustainable, innovative and excellent health care. This underscores our purpose of an absolute commitment to the community's health through oral health education, training and intellectual discovery.

We provide a suite of coursework and research training programs that maximise the potential of our students. We are privileged to have the most promising students enrol in our faculty and we strive to enhance and maximise their potential.

Research training is available at the Doctor of Philosophy and Master of Philosophy levels across biological and clinical sciences, population oral health and educational research. One of the faculty's goals is to integrate our basic and applied research activities to ultimately improve health in the community. We will achieve this through engaged enquiry, where we engage researchers, teachers and the community. We have a focus on ageing well/ageing productively and on chronic diseases. The majority of our research is competitively funded through the National Health and Medical Research Council, the Australian Research Council and the Australian Dental Research Foundation, and we have strong links with the Institute for Dental Research at Westmead Centre for Oral Health. I encourage you to visit the research area of our website and contact us for more information.

We are always on the lookout for active minds interested in a research career.

Our coursework programs cover the majority of general and specialist dental practice and public dental health. In these courses, the common goal is to develop graduates who are lifelong learners committed to the highest professional and ethical standards. We work closely with the Faculty of Medicine in the delivery of our Oral Health and Dentistry degrees. Our postgraduate education has a major focus on advancing clinical skills for dentists, and we also offer a unique opportunity for those interested in population oral health to enrol in a postgraduate degree. Here we work closely with the School of Public Health and the NSW Health Department to develop graduates for a career in public health. For those looking for short courses, our continuing education program has a broad range of courses to meet the needs of every enquiring mind.

While our most important assets and focus are our students, we could not achieve our purpose without our staff and university, government, industry and dental profession collaborations. We have enormous talent in our academic and administrative staff and this explains why we are able to provide the large range of courses on offer. We are part of one of Australia's leading universities that is committed to the pursuit of excellence and where the health faculties work closely together to meet the needs of Australia and beyond. We are fortunate to have strong partnerships with the practising dental community, NSW Health, the Australian Dental Association and the dental industry. These partners provide us with expertise, practical insight and resources for our academic activities.

We look forward to you joining us, whether as a student, a staff member or someone with an interest in the future of dentistry.

Professor Chris Peck
Dean of Dentistry
Welcome
Course code: EH003 or BGDENTIS1000

*This program is no longer open for enrolment. The following information is provided for currently enrolled students only.

Students wishing to undertake postgraduate study in dental medicine in order to practice as a dentist enrol in a Doctor of Dental Medicine. For more details see: sydney.edu.au/dentistry/student/dmd.php or refer to the postgraduate section of the handbook to find more information about the program.

For a copy of the resolutions governing the Bachelor of Dentistry degree, refer to the archived handbook of the year of your first enrolment.
Bachelor of Dentistry*
Bachelor of Dentistry*

*This program is no longer open for enrolment. The following information is provided for currently enrolled students only.

<table>
<thead>
<tr>
<th>Course code</th>
<th>CRICOS code</th>
<th>Degree Abbreviation</th>
<th>Credit points required to complete</th>
<th>Time to complete full-time</th>
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<tr>
<td>EH003</td>
<td>037420G</td>
<td>BDent</td>
<td>192</td>
<td>4 years</td>
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</table>

**Overview**

The degree of Bachelor of Dentistry prepares students for professional registration in order to practice dentistry on graduation. The program is designed to develop and enhance the skills, knowledge and professional behaviours of motivated and interested students.

**Objectives of the program**

The program aims to produce dentists who will:

- develop, and be committed to maintaining, the highest professional and ethical standards
- develop the intellectual, technical and personal skills to practise effectively, rationally and compassionately
- be responsive to the needs of individual patients and committed to improving oral health within the community
- have a broad understanding of the relationship of general health, disability and illness to oral health and disease
- develop skills to underpin lifelong, self-directed professional learning and the application of evidence to rational decision-making
- develop an appreciation of the role of research in dentistry and be able to contribute to leadership in clinical dental practice, research, education and community service.

**Features of the program**

Features of the curriculum include:

- development of dental clinical skills from the first week and early patient contact
- an emphasis on effective communication and active learning
- an integrated understanding of medical and dental issues in health and disease
- learning based on clinical problems and emphasising clinical reasoning
- a team approach to learning and clinical work
- an evidence-based approach to practice
- encouragement and support for self-directed learning
- an emphasis on information literacy, and
- opportunities to learn in a range of dental practice settings, including rural placements.

**Areas of study**

The program is integrated and designed to develop student knowledge, skills and professionalism progressively over four years. In order to achieve those aims, four areas of study have been identified.

- Life Sciences (LS)
- (Foundations of) Total Patient Care ((F)TPC)
- Professional and Community Development
- Electives or Honours

These four areas of study provide the framework for the objectives of the program, the development of the curriculum, and for assessment. The integrated nature of the curriculum means that every week some aspects from the first three areas will be discussed in tutorials, presented in lectures or specific theme sessions, or encountered in dental clinics, laboratories or simulated learning environments.

**Dentistry conjoint studies**

Selected students with a proven aptitude for research and an honours degree (by research) are offered the opportunity to conjointly undertake their studies with a higher degree:

- Doctor of Philosophy (PhD) or
- Master of Philosophy in Public Health (MPhilPH) (by research).

The BDent and PhD conjoint studies program will normally take six or seven years, the BDent and MPhilPH conjoint studies program five years.

There are two methods of application for the admission of qualified applicants:

- at the time of application for admission to the BDent
- during the first two years of the BDent, by submission of a research proposal approved by a potential supervisor and application for admission.

Criteria for selection into the PhD program include eligibility for an Australian Postgraduate Award (or similar scholarship).

Note that students enrol in the two degrees separately; they are not offered and awarded as a combined degree program. All candidates are expected to undertake their BDent studies full time and complete the other degree on a part-time basis. It is expected that candidates for the PhD or MPH program will have made some progress towards the completion of the PhD or MPH program. The candidate also undertakes conjoint studies on the condition that their candidature in the BDent program will not be compromised by the workload expected in the PhD or MPH program. The candidate and his/her supervisor must be able to verify this at the time of admission to the BDent program.

**Dentistry intercalated degree programs**

Students who desire to obtain research experience may apply to interrupt their studies after second year to undertake a one-year degree:

- Master of Philosophy by research
• Master of Public Health (by coursework and dentally-related treatise).

**Master of Philosophy by research**

Applicants for the MPhil (Dent) will be required to satisfy a potential supervisor and the faculty that they have either obtained an honours degree (or equivalent) by research previously, or otherwise demonstrate their capacity by completing a relevant, short laboratory or library research project at an acceptable standard during the first two years of the program.

**Master of Public Health (by coursework and dentally-related treatise)**

The BDent/MSc (Dent) and MPH Intercalated Degree Programs will normally each take five years.
Further Information

1. Delivery of the program
2. Outline of the curriculum
3. Learning
4. Assessment
5. Foundations of Total Patient Care (TPC)
6. Honours
7. Electives

Delivery of the program

Learning in years 1 and 2 of the program is integrated across dental and medical disciplines and between years; understanding and knowledge are built progressively in a relevant context.

Each week of learning is based on the presentation of a clinical problem which students address cooperatively in small groups. Students are challenged to identify key issues for learning and to seek out and share knowledge that will progress the group’s collective understanding. In years 1 and 2 three tutorials will be held each week at the Sydney Dental Hospital. These tutorials form the basis of the students’ learning.

The learning process provides the background necessary for reasoning through issues and applying knowledge to resolve clinical problems in practice. It is essential that students progress systematically to become independent learners. They must be able to evaluate their own strengths and weaknesses realistically, and to identify personal learning needs. Those skills underpin successful professional practice and lifelong learning.

On the Camperdown Campus, most lectures and other laboratory sessions are shared with medical students. Some classes and seminars, however, are specifically designed for dental students. Some problems to be studied towards the end of second year focus explicitly on fundamental oral issues.

In the latter two years of the program, the problems will continue to be presented, but will be centred on more complex dental issues. They will however often involve medically-compromised patients as encountered in daily community or hospital practice, in order to reinforce and apply earlier learning.

High-level communication and technical skills are essential for successful dental practice. For each week of the first two years, students attend the Sydney Dental Hospital for a busy clinical day. They consider relevant basic dental issues in a case-based context and learn many specific dental skills in the laboratory, in simulation and in the clinics. As a crucial part of professional training, students are encouraged to assess their own progress and to evaluate the work of their peers. As students progressively demonstrate basic proficiency, they move to the dental clinics to apply their skills.

Towards the end of the first year, and at the end of the second year, students attend Westmead Hospital and the Westmead Centre for Oral Health, maintaining the pattern of problem-based learning. The hospital experience will offer particular opportunities for students to gain experience in medical as well as in dental settings. Medical skills, including those essential for dealing with emergencies, will be taught in the Clinical Skills Centre at Westmead Hospital.

Outline of the curriculum

The program is integrated and designed to develop student knowledge, skills and professionalism progressively over four years. In order to achieve those aims, four areas of study have been identified:

- Life Sciences (LS)
- Total Patient Care (TPC)
- Professional and Community Practice (PCP)
- Honours or Electives

The program can be conceptualised as occurring in three broad phases:

- an introduction of 8 weeks – the foundation learning block that is preceded by an orientation week
- the body systems – the remainder of the first two years (62 weeks)
- dental clinical placements and rotations in a range of settings – the last two years.

The curriculum is arranged into blocks, following the organisational sequence of the program.

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Block 1</th>
<th>Block 2</th>
<th>Block 3</th>
<th>Block 4</th>
<th>Block 5</th>
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<tbody>
<tr>
<td>LS</td>
<td>Foundation Studies</td>
<td>Drug &amp; Alcohol / Musculo-skeletal Science</td>
<td>Respiration</td>
<td>Haematology</td>
<td>Cardio-vascular Sciences</td>
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<tr>
<td>PCP</td>
<td>Normal Oral Health and Structure</td>
<td>Recognising oral disease</td>
<td>Introductory management of an Oral Disease</td>
<td>Dental Materials and Technology</td>
<td>Revision of Oral Structures</td>
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<table>
<thead>
<tr>
<th>Year 2</th>
<th>Block 6</th>
<th>Block 7</th>
<th>Block 8</th>
<th>Block 9</th>
<th>Block 10A</th>
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</thead>
<tbody>
<tr>
<td>LS</td>
<td>Neurosciences</td>
<td>Endocrine, Nutrition, Oral Biosciences</td>
<td>Renal, Urology, Caries</td>
<td>Gastro-entorology &amp; Nutrition</td>
<td>Oncology &amp; Palliative Care</td>
</tr>
<tr>
<td>PCP</td>
<td>Assessment of Dental Pain</td>
<td>Growth and development, restoration</td>
<td>Assessment, diagnosis and treatment planning</td>
<td>Restoration</td>
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<table>
<thead>
<tr>
<th>Year 3</th>
<th>Block 10B</th>
<th>Block 11</th>
<th>Block 12</th>
<th>Block 13</th>
<th>Block 14</th>
</tr>
</thead>
</table>
(1) Problem-based learning
The problem-based tutorials are designed to develop the students’ clinical reasoning abilities, to enhance their skills in working in groups and to introduce many relevant aspects of the content knowledge and skills within the three areas of study in an integrated fashion. Each week in Years 1 and 2, students are introduced to a clinical problem (usually relating to a particular patient) and the process of thinking through the problem provides the core of the week's activities. Tutors act as facilitators of the reasoning process rather than as subject experts. Two meetings are held each week to develop and discuss the problems.

In Years 3 and 4, the cases relate to patients experiencing oral health problems.

(2) Learner-centred studies
During the first two years, students are helped to develop their skills in locating and acquiring information in textbooks, journals and on the web after defining the learning topics in the problem-based tutorials. Key skills in determining the validity and usefulness of the information will be acquired through these years.

By the time of entry into Year 3, students are expected to be increasingly independent in their capacity to direct their own learning and to locate essential information efficiently.

(3) Area of study sessions and lectures
Lectures provide a broader context for the students’ formal learning and provide background understanding to assist in the resolution of the weekly problem. In Years 1 and 2, up to six lectures are held each week.

Sessions are offered within each area of study and reading matter may be recommended for preparation beforehand. Life Sciences sessions in Years 1 and 2 usually offer opportunities to gain hands-on practical experience and to learn from images, models, slides and museum or dissected specimens. In Years 3 and 4, science updates, advanced seminars and sessions with dental images are utilised.

Sessions run within Professional and Community Practice are diverse, and include aspects of personal development, evidence-based practice, ethics and management issues, as well as the community perspective on oral health issues.

The activities organised within the Total Patient Care area of study occur in the dental hospitals as described below.

(4) Evidence-based practice
There is a major focus on the critical appraisal of evidence to underpin clinical decision-making throughout the program. From the start, students learn the skills of identifying and appraising the literature. In later years, they apply the skills learned in making clinical decisions to the diagnosis and management of individual patients with whom they interact.

(5) Team approach to practice
The focus is on the comprehensive care of the patients, and on continuity of care. Students will be members of a dental team under the guidance of a staff member, and will treat patients assigned to them, according to the skills of the individual team members. Although the core teams are based on third-year students, more senior and also junior students may, from time to time, contribute. Case conferences and presentations to the team will be used to maintain an overview of patients under treatment.

Assessment
Assessment has been designed for students to meet the goals of the program. By emphasising support for learning, the assessment system ensures that students achieve an acceptable level of competence in all areas of study. A key concern is to encourage students to develop their ability to evaluate their own progress and learning needs - both academic and clinical - in preparation for a life-time of learning in professional practice. Ongoing formative assessment that provides appropriate, sensitive and timely feedback to individuals and groups.

Formative written assessments in Years 1 and 2 provide opportunities for students to review the knowledge gained to date. Questions are set in the context of clinical presentations, medical and dental. The formats and types of questions are similar to those ultimately used summatively which determine progression. Participation in formative assessments is compulsory, but the results remain the property of the students themselves. Students are thus encouraged to evaluate their own performance and seek help as appropriate.

Detailed information about assessment can be found in the Faculty of Dentistry Assessment and Progression Policy

Foundations of Total Patient Care (TPC)

(1) Dental competencies Years 1 and 2
The weekly program in the dental teaching hospitals introduces students to dental skills in laboratories and simulation settings as well as dental clinics on Wednesdays (Year 1) and Thursdays (Year 2). An emphasis on self-assessment will encourage the development of professional skills. Students will be helped to acquire sensitive and effective skills in communicating with patients, and to develop professional communication with colleagues and teachers.

There are opportunities to practice and to gain some medical experience with access to selected patients and to the skills laboratory when students are at Westmead Hospital.

(2) Dental competencies Years 3 and 4
A structured teaching program is planned to extend throughout this part of the course. Each day in Year 3 will start with a discipline-based
Honours

The Faculty of Dentistry, in recognition of meritorious performance, offers an honours program for BDent candidates. The honours program is a 12 credit point unit of study which is taken as an alternative to the elective program and each of these is integrated into the BDent program. The honours program comprises a significant research project, however outstanding clinical achievement is also a requirement for the award.

An honours degree provides greater opportunities after graduation and will make you more competitive when seeking employment among graduates without honours degrees. Honours will reflect that you have developed research and analytical skills which are more advanced to those of pass degree candidates, and that you developed superior organisational and time management skills to complete the honours program simultaneously with the demands of the BDent program. Honours will also provide an advantage when applying for postgraduate study.

(1) Eligibility for honours
Detailed eligibility requirements are outlined in the Bachelor of Dentistry Honours Policy.

(2) Completing the Honours Project
Students undertaking the Honours Program submit a research proposal approved by their chosen supervisor to the Honours Sub-committee by the end of March in their third year of study. Once approved, students can begin their project in BDent 3 for completion by the end of September in BDent 4.

The nature and specifications of the final report should take the form of a manuscript suitable for submission to a journal for publication. A standard journal format from a well-recognised journal may be used but the format of the Australian Dental Journal is recommended. Honours candidates will also present their Honours research project as either a poster or oral presentation at the Faculty of Dentistry Research Day. Students are also required to submit a minimum 3-page reflective essay on their Honours project.

(3) Requirements for the Award of Honours
The requirements for the Honours award are outlined in the Bachelor of Dentistry Honours Policy.

Electives

Bachelor of Dentistry students have the option of completing either the Honours & research project Unit of study or Electives (based on eligibility criteria and personal choice).

A minimum of six weeks will be allocated to the Elective program. Students may choose to spend the Elective period in one location or, with approval, to split the elective into smaller elective studies with a common theme. This flexibility would allow students to participate in popular electives and would encourage a greater breadth of experience.

The greatest opportunity to undertake placements occurs during the vacation between the end of BDent 3 and the commencement of BDent 4. Students may also wish to consider utilising the July and September vacations throughout year 3 to undertake a portion of their elective project.

Students will be expected to self-fund their elective program, including costs associated with travel to and from the elective site, any accommodation expenses, plus daily living costs.

Additional information can be found in the Bachelor of Dentistry Electives Policy.
# Table of Undergraduate Units of Study for the Bachelor of Dentistry

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<td><strong>Year 2 units of study</strong></td>
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<tr>
<td>USDP2012 Foundations of Total Patient Care 3</td>
<td>6</td>
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<td>USDP2014 Dentist and Community 3</td>
<td>3</td>
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<td>USDP2022 Foundations of Total Patient Care 4</td>
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<td><strong>Year 3 units of study</strong></td>
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Unit of study descriptions for 2015

Year 2 units of study

**USDP2012 Foundations of Total Patient Care 3**

- **Credit points:** 6
- **Session:** Semester 1
- **Classes:** Lecture series, tutorials, preclinical (simulation), laboratory and clinical work.
- **Prerequisites:** USDP1011, USDP1012, USDP1013, USDP1014, USDP1021, USDP1022, USDP1023, USDP1024
- **Corequisites:** USDP2016, USDP2013, USDP2014
- **Assessment:** Written assessments, summative Objective Structured Clinical Assessment (OSCA); summative practical assessments; continuous sessional assessment.
- **Mode of delivery:** Normal (lecture/lab/tutorial) day

This Unit continues to provide the necessary communication and reasoning skills for effective dental diagnosis as well as the clinical understanding and technical skills to manage the care of the patient with common and important dental conditions. The learning activities are designed to develop the appropriate skills for effective dental diagnosis and care of the whole patient. Topics covered include local anaesthesia and exodontia, endodontics, tooth conservation and periodontics, as well as removable prosthodontics and denture design.

**USDP2013 Personal and Professional Development 3**

- **Credit points:** 3
- **Session:** Semester 1
- **Classes:** Lecture series, tutorial/workshop
- **Corequisites:** USDP2016, USDP2012, USDP2014
- **Assessment:** Continual assessments; CAP (Clinical and Academic Professionalism) licence; written examinations; portfolio assignment and interview
- **Mode of delivery:** Normal (lecture/lab/tutorial) day

This Unit covers the necessary personal and professional skills for effective and rewarding practice, including ethical behaviours, productive teamwork, evidence-based decision-making, self-evaluation and life-long learning. Management of anxiety and pain and strategies to improve communication in difficult encounters are introduced. Explaining things, anger management and issues of self care are also covered.

**USDP2014 Dentist and Community 3**

- **Credit points:** 3
- **Session:** Semester 1
- **Classes:** Lecture series
- **Corequisites:** USDP2016, USDP2012, USDP2013
- **Assessment:** Assignment (100%)
- **Mode of delivery:** Normal (lecture/lab/tutorial) day

This course is designed to broaden the students’ perspectives on the oral health of different population groups, describe how to investigate the differing aspects of oral health using the appropriate research methodology and highlight the limitations of a purely interventional approach to clinical care.

The Dentist and the Community sessions are presented and delivered against a backdrop of social events, economic, technological and demographic trends and the wider political and healthcare system that influences population oral health.

**USDP2016 Life Sciences 3**

- **Credit points:** 12
- **Session:** Semester 1
- **Classes:** Lectures, PBL tutorials, seminars, theme sessions
- **Corequisites:** USDP2012, USDP2013, USDP2014
- **Assessment:** Written examinations (100%)
- **Mode of delivery:** Normal (lecture/lab/tutorial) day

This Unit continues the study of the underlying biomedical and clinical sciences to ensure an understanding of the mechanisms of health and disease. Neurosciences and psychiatry are introduced at the beginning of the year. Endocrinology, nutrition, renal sciences and gastroenterology follow. The Oral biosciences, oral pathobiology program runs through the year. Oncology and palliative care complete the year.

**USDP2022 Foundations of Total Patient Care 4**

- **Credit points:** 6
- **Session:** Semester 2
- **Classes:** Lecture series, tutorials, preclinical (simulation), laboratory and clinical work.
- **Prerequisites:** USDP2016, USDP2012, USDP2013, USDP2014
- **Corequisites:** USDP2026, USDP2023, USDP2024
- **Assessment:** Written assessments, summative Objective Structured Clinical Assessment (OSCA); summative practical assessments; continuous sessional assessment
- **Mode of delivery:** Normal (lecture/lab/tutorial) day

This Unit continues to provide the necessary communication and reasoning skills for effective dental diagnosis as well as the clinical understanding and technical skills to manage the care of the patient with common and important dental conditions. The learning activities are designed to develop the appropriate skills for effective dental diagnosis and care of the whole patient. Topics covered include local anaesthesia and exodontia, endodontics, tooth conservation and periodontics, as well as removable prosthodontics and denture design.

**USDP2023 Dentist and Community 4**

- **Credit points:** 3
- **Session:** Semester 2
- **Classes:** Lecture series
- **Corequisites:** USDP2016, USDP2012, USDP2013, USDP2014
- **Assessment:** Continual assessments; CAP (Clinical and Academic Professionalism) licence; written examinations; portfolio assignment and interview
- **Mode of delivery:** Normal (lecture/lab/tutorial) day

This course is designed to broaden the students’ perspectives on the oral health of different population groups, describe how to investigate the differing aspects of oral health using the appropriate research methodology and highlight the limitations of a purely interventional approach to clinical care.

The Dentist and the Community sessions are presented and delivered against a backdrop of social events, economic, technological and demographic trends and the wider political and healthcare system that influences population oral health.

**USDP2026 Life Sciences 4**

- **Credit points:** 12
- **Session:** Semester 2
- **Classes:** Lectures, PBL tutorials, seminars, theme sessions.
- **Corequisites:** USDP2016, USDP2012, USDP2013, USDP2014
- **Assessment:** Written examinations.
- **Mode of delivery:** Normal (lecture/lab/tutorial) day

This Unit continues the study of the underlying biomedical and clinical sciences to ensure an understanding of the mechanisms of health and disease. Neurosciences and psychiatry are introduced at the beginning of the year. Endocrinology, nutrition, renal sciences and...
gastroenterology follow. The oral biosciences, oral pathobiology program runs through the year. Oncology and palliative care complete the year.

Year 3 units of study

**USDP3011**

**Life Sciences 5**

**Credit points:** 2  
**Session:** Semester 1  
**Classes:** lecture series, tutorials, clinical work  
**Prerequisites:** USDP2026  
**Corequisites:** USDP3012, USDP3013 and (USDP3014 or USDP3019)  
**Assessment:** Continuous sessional assessments, viva voce, reports, short cases and examinations.  
**Mode of delivery:** Normal (lecture/lab/tutorial) day

Learning in Oral Pathology and Oral Medicine builds upon study in Years 1 and 2, and will assist students to develop a critical understanding of the maxillofacial and oral diseases as well as systemic diseases with oral manifestations that they may encounter in the course of their professional career and be called upon to diagnose, prevent and treat. The course in Oral Surgery further prepares the student for surgical procedures, and exposes the student to the hospital setting and observation of advanced surgical procedures. Study in conscious sedation develops an understanding of sedation techniques, as well as of medical emergency.

**USDP3012**

**Total Patient Care 1**

**Credit points:** 15  
**Session:** Semester 1  
**Classes:** lecture series, clinical work, preclinical simulation activities; seminars and tutorials  
**Prerequisites:** USDP2022  
**Corequisites:** USDP3011, USDP3013 and (USDP3014 or USDP3019)  
**Assessment:** Continual assessments; written examinations; mentor reports; OSCAs; competency assessments  
**Mode of delivery:** Normal (lecture/lab/tutorial) day

This Unit of study covers many aspects of clinical dentistry, including tooth conservation, oral rehabilitation, periodontology, endodontics, paediatric dentistry and orthodontics. Topics introduced include treatment planning, and the provision of patient treatment for acute care and routine preventive and restorative restorations. Students will cover planning and clinical procedures associated with the provision of full and partial removable dentures; and in fixed prosthodontics, students will cover all aspects of tooth preparation for full and partial coverage aesthetic restorations. The clinical diagnosis, treatment and prevention of periodontal diseases, as well as maintenance are included. In endodontics, clinical diagnosis and management of simple endodontic procedures are covered, along with a simulation program in more complex procedures. Introductory paediatric dentistry and concepts of craniofacial growth and development, along with normal occlusion and malocclusion are included.

**USDP3013**

**Professional and Community Practice 1**

**Credit points:** 4  
**Session:** Semester 1  
**Classes:** Lecture series, workshops, site visit  
**Prerequisites:** USDP2023, USDP2024  
**Corequisites:** USDP3011, USDP3012 and (USDP3014 or USDP3019)  
**Assessment:** Assignments and examinations  
**Mode of delivery:** Normal (lecture/lab/tutorial) day

This Unit covers the necessary personal and professional skills for effective and rewarding practice, including ethical behaviours, empathic communication, productive teamwork, evidence-based decision-making, self-evaluation and life-long learning; and the place of dentistry in health care, interactions with the community and dental public health issues. The program commences with a review of professionalism in communication in the clinics and how to cope with mistakes. Ethics and professionalism in relation to clinical practice are covered in greater depth. In year 3 the patient management program focuses on children while the practice management program targets communication in the public arena of published media

**USDP3014**

**Elective (development) 1**

**Credit points:** 3  
**Session:** Semester 1  
**Classes:** There are no formal classes as this Unit of Study is based on fieldwork.  
**Corequisites:** USDP3011, USDP3012, USDP3013  
**Assessment:** Supervisor and self assessments, magazine article and written report.  
**Mode of delivery:** Clinical experience

Experiential learning project involving supervised placement in community practice, oral health specialty or clinical work, in a diverse range of settings, including metropolitan, rural, remote or international locations.

Dentistry students have the option of doing either the Honours research project Unit of Study or the Electives Unit of Study (based on eligibility criteria and personal choice). All students must enrol in either the Honours research project Unit of Study or the Electives Unit of Study, but a student cannot be enrolled in both.

**USDP3019**

**Research/Honours Project (development) 1**

**Credit points:** 3  
**Session:** Semester 1  
**Classes:** There are no formal classes as this Unit is based on a research project.  
**Corequisites:** USDP3011, USDP3012, USDP3013  
**Assessment:** Continual assessments and written work (report/thesis)  
**Mode of delivery:** Normal (lecture/lab/tutorial) day

Supervised research project culminating in the submission of an honours thesis or research report.

Dentistry students have the option of doing either the Honours research project Unit of Study or the Electives Unit of Study (based on eligibility criteria and personal choice). All students must enrol in either the Honours research project Unit of Study or the Electives Unit of Study, but a student cannot be enrolled in both.

**USDP3021**

**Life Sciences 6**

**Credit points:** 2  
**Session:** Semester 2  
**Classes:** lecture series, tutorials, clinical work.  
**Prerequisites:** USDP3011 Corequisites: USDP3022, USDP3023 and (USDP3024 or USDP3029)  
**Assessment:** Continual assessments; written examinations; mentor reports; OSCAs; competency assessments  
**Mode of delivery:** Normal (lecture/lab/tutorial) day

Learning in Oral Pathology and Oral Medicine builds upon study in Years 1 and 2, and will assist students to develop a critical understanding of the maxillofacial and oral diseases as well as systemic diseases with oral manifestations that they may encounter in the course of their professional career and be called upon to diagnose, prevent and treat. The course in Oral Surgery further prepares the student for surgical procedures, and exposes the student to the hospital setting and observation of advanced surgical procedures. Study in conscious sedation develops an understanding of sedation techniques, as well as of medical emergency.

**USDP3022**

**Total Patient Care 2**

**Credit points:** 15  
**Session:** Semester 2  
**Classes:** lecture series, clinical work, preclinical simulation activities; seminars and tutorials  
**Prerequisites:** USDP3012 Corequisites: USDP3021, USDP3023 and (USDP3024 or USDP3029)  
**Assessment:** Continual assessments; written examinations; mentor reports; OSCAs; competency assessments  
**Mode of delivery:** Normal (lecture/lab/tutorial) day

This Unit of study covers many aspects of clinical dentistry, including tooth conservation, oral rehabilitation, periodontology, endodontics, paediatric dentistry and orthodontics. Topics introduced include treatment planning, and the provision of patient treatment for acute care and routine preventive and restorative restorations. Students will cover planning and clinical procedures associated with the provision of full and partial removable dentures; and in fixed prosthodontics, students will cover all aspects of tooth preparation for full and partial coverage aesthetic restorations. The clinical diagnosis, treatment and prevention of periodontal diseases, as well as maintenance are included. In endodontics, clinical diagnosis and management of simple endodontic procedures are covered, along with a simulation program in more complex procedures. Introductory paediatric dentistry and concepts of craniofacial growth and development, along with normal occlusion and malocclusion are included.

**USDP3023**

**Professional and Community Practice 2**

**Credit points:** 4  
**Session:** Semester 2  
**Classes:** Lecture series, workshops, site visit  
**Prerequisites:** USDP3013 Corequisites: USDP3021, USDP3022 and (USDP3024 or USDP3029)  
**Assessment:** Assignments and examinations  
**Mode of delivery:** Normal (lecture/lab/tutorial) day

This Unit of study covers many aspects of clinical dentistry, including tooth conservation, oral rehabilitation, periodontology, endodontics, paediatric dentistry and orthodontics. Topics introduced include treatment planning, and the provision of patient treatment for acute care and routine preventive and restorative restorations. Students will cover planning and clinical procedures associated with the provision of full and partial removable dentures; and in fixed prosthodontics, students will cover all aspects of tooth preparation for full and partial coverage aesthetic restorations. The clinical diagnosis, treatment and prevention of periodontal diseases, as well as maintenance are included. In endodontics, clinical diagnosis and management of simple endodontic procedures are covered, along with a simulation program in more complex procedures. Introductory paediatric dentistry and concepts of craniofacial growth and development, along with normal occlusion and malocclusion are included.
This Unit covers the necessary personal and professional skills for effective and rewarding practice, including ethical behaviours, empathic communication, productive teamwork, evidence-based decision-making, self-evaluation and life-long learning; and the place of dentistry in health care, interactions with the community and dental public health issues. The program commences with a review of professionalism in communication in the clinics and how to cope with mistakes. Ethics and professionalism in relation to clinical practice are covered in greater depth. In year 3 the patient management program focuses on children while the practice management program targets communication in the public arena of published media.

USDP3024  
Elective (development) 2  
Credit points: 3  
Session: Semester 2  
Classes: There are no formal classes as this Unit of Study is based on fieldwork.  
Corequisites: USDP3021, USDP3022, USDP3023 and (USDP3014 or USDP3019)  
Assessment:  
- Supervisor and self assessments, magazine article and written report.  
Mode of delivery: Clinical experience

Experimental learning project involving supervised placement in community practice, oral health specialty or clinical work, in a diverse range of settings, including metropolitan, rural, remote or international locations.

Dentistry students have the option of doing either the Honours research project Unit of Study or the Electives Unit of Study (based on eligibility criteria and personal choice). All students must enrol in either the Honours research project Unit of Study or the Electives Unit of Study, but a student cannot be enrolled in both.

USDP3029  
Research/Honours Project (development) 2  
Credit points: 3  
Session: Semester 2  
Classes: There are no formal classes as this Unit is based on a research project.  
Corequisites: USDP3021, USDP3022, USDP3023, USDP3019  
Assessment:  
- Continual assessments and written work (report/thesis).  
Mode of delivery: Normal (lecture/lab/tutorial) day

Supervised research project culminating in the submission of an honours thesis or research report.

Dentistry students have the option of doing either the Honours research project Unit of Study or the Electives Unit of Study (based on eligibility criteria and personal choice). All students must enrol in either the Honours research project Unit of Study or the Electives Unit of Study, but a student cannot be enrolled in both.

Year 4 units of study

USDP4011  
Life Sciences 7  
Credit points: 2  
Session: Semester 1  
Classes: Lecture series, EPB seminars, Clinical work  
Prerequisites: USDP3021  
Corequisites: USDP4012, USDP4013 and either USDP4014 or USDP4019  
Assessment:  
- written examinations.  
OSCA and written examinations.  
Mode of delivery: Normal (lecture/lab/tutorial) day

Learning in Oral Pathology and Oral Medicine builds upon study in Years 1, 2, and 3, and will assist students to develop a critical understanding of the maxillofacial and oral diseases as well as systemic diseases with oral manifestations that they may encounter in the course of their professional career and be called upon to diagnose, prevent and treat. The course in Oral Surgery further prepares the student for surgical procedures beyond the level of skill acquired in Years 1 to 3, and exposes the student to the hospital setting and observing advanced surgical procedures. Study in conscious sedation develops deeper understanding of sedation techniques as well as of medical emergency and life support.

USDP4012  
Total Patient Care 3  
Credit points: 15  
Session: Semester 1  
Classes: Clinical work, simulation activities, lecture series.  
Prerequisites: USDP3022  
Corequisites: USDP4011, USDP4013 and (USDP4014 or USDP4019)  
Assessment:  
- Continuous sessional assessments, assignments, mentor reports, case reports, Oral Comprehensive,  
OSCA and written examinations.  
Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study provides students with training to allow a broader scope of patient care including the knowledge and skills to perform more advanced restorative procedures, and aesthetic dentistry techniques; prosthetic rehabilitation of patients with complete, partial or immediate dentures, including implant over-dentures; denture maintenance and repair; provision of indirect partial inlays and onlays and full coverage crowns, bridges and implants; treatment and maintenance of patients with moderate to severe periodontitis, peri-implantitis, periodontal surgery, and predicting the prognosis of periodontally involved teeth; the provision of both simple and complex endodontic procedures, including the treatment of acute endodontic presentations; understanding behaviour management and pain control for paediatric patients; the diagnosis of dento-alveolar trauma in children, provision of care for paediatric patients including those who are medically compromised, recognising and managing developmental anomalies; understanding the knowledge and scope of orthodontics carried out by general practitioners and diagnosis and treatment of obstructive sleep apnoea; and the knowledge and skills to manage patients with special needs, including intellectual and physical disabilities, mental illnesses, neurodegenerative disorders and frail/elderly patients.

USDP4013  
Professional and Community Practice 3  
Credit points: 4  
Session: Semester 1  
Classes: Lecture series, workshops  
Prerequisites: USDP3023  
Corequisites: ESDP4011, USDP4012 and (USDP4014 or USDP4019)  
Assessment:  
- Clinical and Professionalism Licence, written examinations, portfolio, essay.  
Mode of delivery: Normal (lecture/lab/tutorial) day

The PPD program aims to ensure each student's future in professional practice. The PPD theme in Year 4 focuses on higher-level skills for patient management, practice management, professional development and lifelong learning.

The PPD theme in Year 4 commences with a review of your elective placement in the community. Patient management comprises study of management strategies for difficult patients, ageing patients, patients with individual (special) needs and patients with communication impairment. The practice management strand encompasses management of conflict, basic principles for human resources management and issues of importance for new graduates entering the profession. Self-development is reviewed in the reflective performance portfolio and in a future vision for practice. The potential oral health lectures presented in this year provide further emphasis on why a population health approach is required to reduce inequalities in oral health. Students are reminded of the importance of population preventive programs and prevention at the individual level to highlight the limitations of a purely interventive approach to oral health. This year also focuses on the 'common risk factor' approach (ie. oral health sharing the same risk factors as general health eg smoking), therefore the importance of integrating oral health with general health and the need for an excellent public/private partnership to improve oral health.

USDP4014  
Elective 3  
Credit points: 3  
Session: Semester 1  
Classes: There are no formal classes as this Unit of Study is based on fieldwork.  
Corequisites: USDP4011, USDP4012, USDP4013 and (USDP3024 or USDP3029)  
Assessment:  
- Supervisor and self assessments, magazine article and written report.  
Mode of delivery: Clinical experience

Experiential learning project involving supervised placement in community practice, oral health specialty or clinical work, in a diverse range of settings, including metropolitan, rural, remote or international locations.

Dentistry students have the option of doing either the Honours research project Unit of Study or the Electives Unit of Study (based on eligibility criteria and personal choice). All students must enrol in either the Honours research project Unit of Study or the Electives Unit of Study, but a student cannot be enrolled in both.
USDP4019
Research / Honours Project 3
Credit points: 3 Session: Semester 1 Classes: There are no formal classes as this Unit is based on a research project. Corequisites: USDP4011, USDP4012, USDP4013, UDP3029 Assessment: Continual assessments and written work (report/thesis) Mode of delivery: Normal (lecture/lab/tutorial) day
Supervised research project culminating in the submission of an honours thesis or research report.

Dentistry students have the option of doing either the Honours research project Unit of Study or the Electives Unit of Study (based on eligibility criteria and personal choice). All students must enrol in a minimum of two Units.

USDP4021
Life Sciences 8
Credit points: 2 Session: Semester 2 Classes: Lecture series, tutorials and clinical activities, lecture series, tutorials and workshop series.

Assessment: written examinations, OSCAs, written assignments, viva voce, EBP presentation, continuous sessional assessment. Mode of delivery: Normal (lecture/lab/tutorial) day

Learning in Oral Pathology and Oral Medicine builds upon study in Years 1, 2, and 3, and will assist students to develop a critical understanding of the maxillofacial and oral diseases as well as systemic diseases with oral manifestations that may encounter in the course of their professional career and be called upon to diagnose, prevent, and treat. The course in Oral Surgery further prepares the student for surgical procedures beyond the level of skill acquired in Years 1 to 3, and exposes the student to the hospital setting and observing advanced surgical procedures. Study in conscious sedation develops deeper understanding of sedation techniques as well as of medical emergency and life support.

USDP4022
Total Patient Care 4
Credit points: 15 Session: Semester 2 Classes: Clinical work, simulation activities, lecture series, workshop series. Prerequisites: USDP4012 Corequisites: USDP4021, USDP4023 and (USDP4024 or USDP4029) Assessment: Continuous sessional assessments, assignments, mentor reports, case reports, Oral Comprehensive, OSCAs and written examinations. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study provides students with training to allow a broader scope of patient care including the knowledge and skills to perform more advanced restorative procedures, and aesthetic dentistry techniques; prosthetic rehabilitation of patients with complete, partial or immediate dentures, including implant over-dentures, denture maintenance and repair; provision of indirect partial inlays and onlays and full coverage crowns, bridges and implants; treatment and maintenance of patients with moderate to severe periodontitis, peri-implantitis, periodontal surgery, and predicting the prognosis of periodontally involved teeth; the provision of both simple and complex endodontic procedures, including the treatment of acute endodontic presentations; understanding behaviour management and pain control for paediatric patients; the diagnosis of dento-alveolar trauma in children, provision of care for paediatric patients including those who are medically compromised, recognising and managing developmental anomalies; understanding the knowledge and scope of orthodontics carried out by general practitioners and diagnosis and treatment of obstructive sleep apnoea; and the knowledge and skills to manage patients with special needs, including intellectual and physical disabilities, mental illnesses, neurodegenerative disorders and frail/elderly patients.

USDP4023
Professional and Community Practice 4
Credit points: 4 Session: Semester 2 Classes: Lecture series, workshops, workshops. Prerequisites: USDP4013 Corequisites: USDP4021, USDP4022 and (USDP4024 or USDP4029) Assessment: Clinical and Professionalism Licence, written examinations, portfolio, essay. Mode of delivery: Normal (lecture/lab/tutorial) day

The PPD program aims to ensure each student's future in professional practice. The PPD theme in Year 4 focuses on higher-level skills for patient management, practice management, professional development and lifelong learning.

The PPD theme in Year 4 commences with a review of your elective placement in the community. Patient management comprises study of management strategies for difficult patients, ageing patients, patients with individual (special) needs and patients with communication impairment. The practice management strand encompasses management of conflict, basic principles for human resources management and issues of importance for new graduates entering the profession. Self-development is reviewed in the reflective performance portfolio and in a future vision for practice. The population oral health lectures presented in this year provide further emphasis on why a population health approach is required to reduce inequalities in oral health. Students are reminded of the importance of population preventive programs and prevention at the individual level to highlight the limitations of a purely interventional approach to oral health.

This year also focuses on the 'common risk factor' approach (ie. oral health sharing the same risk factors as general health eg smoking), therefore the importance of integrating oral health with general health and the need for an excellent public/private partnership to improve oral health.

USDP4024
Elective 4
Credit points: 3 Session: Semester 2 Classes: There are no formal classes as this Unit of Study is based on fieldwork. Corequisites: (USDP4014 or USDP4019) and USDP4021, USDP4022, USDP4023 Assessment: Supervisor and self assessments, magazine article and written report. Mode of delivery: Clinical experience

Experiential learning project involving supervised placement in community practice, oral health specialty or clinical work, in a diverse range of settings, including metropolitan, rural, remote or international locations.

Dentistry students have the option of doing either the Honours research project Unit of Study or the Electives Unit of Study (based on eligibility criteria and personal choice). All students must enrol in a minimum of two Units.

USDP4029
Research / Honours Project 4
Credit points: 3 Session: Semester 2 Classes: There are no formal classes as this Unit is based on a research project. Corequisites: USDP4019, USDP4021, USDP4022, USDP4023 Assessment: Continual assessments and written work (report/thesis) Mode of delivery: Normal (lecture/lab/tutorial) day

Supervised research project culminating in the submission of an honours thesis or research report.

Dentistry students have the option of doing either the Honours research project Unit of Study or the Electives Unit of Study (based on eligibility criteria and personal choice). All students must enrol in a minimum of two Units.

16
Bachelor of Oral Health

Overview
The Bachelor of Oral Health (BOH) degree course is a five days a week, full-time three-year professional program designed to provide education at a university level so that graduates may register as oral health therapists, dental hygienists or dental therapists. It will equip students with the required skills, knowledge and experience to deliver oral health education and promotion, dental hygiene and dental therapy services to patients in NSW, as well as throughout Australia and New Zealand. The program combines a firm scientific basis with extensive skills and professional development to produce graduates who are equipped to deal with the full range of treatments that dental hygienists and dental therapists may offer in the environment within which they work.

The course is structured so that students start acquiring their science foundation in parallel with early contact with patients, and the level and amount of patient contact increases as their scientific skills and oral health competencies grow. The emphasis of the course is on prevention and health maintenance in the context of a primary health care approach. Clinical practice largely occurs in the teaching hospitals where a team approach to patient care is practised together with dentistry students. In their final year students have a two-week rural placement in Semester 1 in an area health service or community agency applying their health promotion skills. Throughout the final year students rotate through community clinics in the greater Sydney metropolitan region for some of their clinical practice.

Course outcomes
Graduates of the BOH program will be qualified in dental hygiene, dental therapy, and have skills in oral health education and promotion. BOH graduates will also have skills in motivational interviewing and patient education. This kind of graduate is setting the benchmark for oral health graduates, and more services in the public sector and dentists in private practice are wanting practitioners with dual qualifications.

Graduates will:

• have an effective understanding of their role and the roles of others in the oral health team as they deliver dental hygiene and dental therapy services to the community, delivering dental care appropriate to their scopes of practice, and referring patients to other providers as necessary
• know how to apply theory to practice in a range of different situations, and will have the spirit of enquiry that encourages the extension of their knowledge and skill and their own professional development
• be able to assume responsibility for the treatment of their patients’ oral health, including analysis, diagnosis, and the development and execution of a treatment plan
• be able to liaise confidently with a range of health providers and deliver high-quality oral health education and promotion in the community
• know their limits, personal and professional, and be able to work competently and confidently within them; and
• have the training and attributes to exercise leadership in oral health promotion, dental hygiene and dental therapy.

Further information
For further information about the BOH course visit the Faculty of Dentistry website at: sydney.edu.au/dentistry/student/boh.php
# Table of Undergraduate Units of Study for the Bachelor of Oral Health

<table>
<thead>
<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
<th>Session</th>
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<tbody>
<tr>
<td><strong>Year 1</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>ORHL1009 Foundations of Oral Health 1</td>
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<tr>
<td>ORHL1010 Oral Health Clinical Practice (Intro)</td>
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<td>ORHL1006 Life Sciences 1</td>
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<td>ORHL1004 Oral Health Clinical Practice 1</td>
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<td><strong>Year 2</strong></td>
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<td>ORHL2009 Foundations of Oral Health 3</td>
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<tr>
<td>ORHL3001 Foundations of Oral Health 5</td>
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<td>A ORHL3002</td>
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<td>P ORHL3003</td>
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<td>Semester 2</td>
</tr>
</tbody>
</table>
Unit of study descriptions for 2015

Year 1

ORHL1009  Foundations of Oral Health 1
Credit points: 6  Session: Semester 1  Assessment: Assignment (22%); Examination (78%)  Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study introduces students to the concepts and foundational knowledge needed for the three strands of the course including Oral Health in Society, Periodontics and Hygiene Theory, Cariology and Prevention - Part 1, Radiography Theory and an introduction to Human Nutrition.

ORHL1010  Oral Health Clinical Practice (Intro)
Credit points: 6  Session: Semester 1  Classes: Clinical work  Assessment: Portfolio (28%); Examination (10%); Practical (26%); Continuous (18%); OSCA (20%)  Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study introduces students to tooth morphology, the practice of dental radiography, and the development of hygiene and tooth conservation knowledge and skills in the simulation clinic.

ORHL1006  Life Sciences 1  Credit points: 6  Session: Semester 1  Assessment: Examination (100%)  Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study introduces students to the biochemical and biological processes which are fundamental to life, cells, and tissues. It includes a refresher on chemistry including chemical bonds, inorganic and organic chemistry, before going on to introduce students to protein structure and function, nucleic acid structure, protein synthesis, lipids, energy currency, overview of metabolism, extracellular matrix components, receptors and signalling, membrane pores, diffusion and membrane pumps.

ORHL1007  Life Sciences 2  Credit points: 6  Session: Semester 1  Assessment: Examination (85%); Practical (15%)  Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study introduces students to the concepts of anatomy and physiology, Head and Neck Anatomy Part 1, Tissue Biology in Health and Disease Part 1. Part of this unit of study will provide an introduction to the principles and applications of psychology and the links between mind and body, the role of learning, communication, and motivational behaviour change.

ORHL1003  Foundations of Oral Health 2  Credit points: 6  Session: Semester 2  Classes: Clinical work  Assessment: Assignment (10%); Examination (90%)  Mode of delivery: Normal (lecture/lab/tutorial) day

In this unit of study students continue to learn the theory of Periodontics, Cariology and Prevention Pt 2, Dental Materials and Tooth Conservation, Human Nutrition, and are introduced to Clinical Reasoning, Assessment, Examination, Diagnosis, and Treatment Planning.

ORHL1004  Oral Health Clinical Practice 1  Credit points: 12  Session: Semester 2  Classes: Clinical work  Assessment: Continuous (10%); Portfolio (25%); Practical (30%); OSCA (35%)  Mode of delivery: Normal (lecture/lab/tutorial) day

In this unit students continue to develop the skills needed for Tooth Conservation and Dental Hygiene in a simulation environment, and begin to apply these hygiene skills in the clinic on each other.

ORHL1008  Life Sciences 3  Credit points: 6  Session: Semester 2  Prerequisites: ORHL1007  Assessment: Examination (90%); Practical (10%)  Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study continues with Head and Neck Anatomy Part 2, Tissue Biology in Health and Disease Part 2, the structure, function and regulation of body systems: Autonomic, Respiratory, Cardiovascular, and Renal.

Year 2

ORHL2009  Foundations of Oral Health 3  Credit points: 12  Session: Semester 1  Classes: Clinical work  Prerequisites: ORHL1003  Assessment: Assignment (16%); Examination (84%)  Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study continues to deepen the knowledge and understanding of students in Dental Hygiene and Therapy including Human Nutrition, Evidence Based Dentistry, Oral Histology, Biology and Pathology, and continues studies in Oral Health in Society.

ORHL2010  Oral Health Clinical Practice 2  Credit points: 12  Session: Semester 1  Classes: Clinical work  Prerequisites: ORHL1004  Assessment: Continuous (50%); Examination (13%); OSCA (37%)  Mode of delivery: Normal (lecture/lab/tutorial) day

In this unit of study students learn the theory and practice of Pain Management, Exodontia of deciduous teeth, the application of the Caries Management System to patient care, and are introduced to Hygiene Clinical Practice.

ORHL2008  Life Sciences 4  Credit points: 6  Session: Semester 1  Assessment: Examination (70%); Practical (30%)  Mode of delivery: Normal (lecture/lab/tutorial) day

Part of this unit of study will introduce students to the gross anatomy, functional histology and physiology of the Neurological, Musculoskeletal, Haematological, Endocrine, Gastrointestinal and Reproductive systems. Part of this unit will continue the psychology of communication and behaviour management and change.

ORHL2005  Foundations of Oral Health 4  Credit points: 6  Session: Semester 2  Prerequisites: ORHL1009  Assessment: Assignment (10%); Examination (90%)  Mode of delivery: Normal (lecture/lab/tutorial) day

In this unit of study students continue to deepen their knowledge and understanding of Dental Hygiene and Therapy Theory, Oral Pathology and Histology, Medical Emergencies, Pharmacotherapeutics, Orthodontics, Human Nutrition, and explore issues that may arise in relation to a healthy start to life.
ORHL2006
Oral Health in Society 1
Credit points: 9  Session: Semester 2  Prerequisites: ORHL1009, ORHL2009
Prohibitions: BIOC2003  Assessment: Assignment (100%)  Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study will give students basic skills in designing, implementing and managing oral health promotion projects with a focus on a healthy start to life and involves a preschool project.

ORHL2007
Oral Health Clinical Practice 3
Credit points: 9  Session: Semester 2  Prerequisites: ORHL2010
Assessment: Continuous (90%); Assignment (10%)  Mode of delivery: Clinical experience

This unit of study continues to establish the applied knowledge and understanding and skills repertoire needed to provide clinical care to patients in Dental Hygiene and Dental Therapy including an introduction to patients with special needs. It includes the integration of evidence based practice into the clinical experience.

Year 3

ORHL3001
Foundations of Oral Health 5
Credit points: 3  Session: Semester 1  Classes: Clinical work  Prerequisites: ORHL3005
Assessment: Examination (100%)  Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study continues to deepen students' knowledge and understanding of Dental Therapy and Hygiene theory including dental trauma. Tutorials and assessments take the form of scenarios which encourage the integration of students' developing knowledge and understanding.

ORHL3002
Oral Health in Society 2
Credit points: 3  Session: Semester 1  Classes: Clinical work  Assumed knowledge: ORHL2006  Assessment: Assignment (50%) Report (50%)  Mode of delivery: Normal (lecture/lab/tutorial) day

In this unit of study, small groups of students undertake a rural placement of two weeks and work with Health Services. The group develop a written report of this intervention and present a summary of their report in a public forum.

ORHL3003
Oral Health Clinical Practice 4
Credit points: 18  Session: Semester 1  Classes: Clinical work  Prerequisites: ORHL2007  Assessment: Clinical work Assessment: Continuous (20%); Case Presentation (40%); Viva voce (36%); Assignment (4%)  Mode of delivery: Clinical experience

This unit of study continues to give students a deepening experience of clinical care in Dental Therapy and Hygiene including treatment of patients who have special needs or are medically compromised. Evidence Based Dentistry is an integral part of the clinical experience. Assessment includes the presentation of case reports and oral comprehensives that explore how well the student integrates their understanding of the theory and practice of patient care.

ORHL3004
Foundations of Oral Health 6
Credit points: 3  Session: Semester 2  Classes: Clinical work  Prerequisites: ORHL3001  Assessment: Examination (100%)  Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study continues to deepen students' knowledge and understanding of Dental Therapy and Hygiene theory through tutorials. Assessments take the form of scenarios which encourage the integration of students' knowledge and understanding.

ORHL3005
Oral Health in Society 3
Credit points: 3  Session: Semester 2  Classes: Clinical work  Assumed knowledge: ORHL3002  Assessment: Written report (70%); Abstract and Poster (30%)  Mode of delivery: Normal (lecture/lab/tutorial) day

In the final unit of study in this strand of the course, a small group of students undertakes an intervention program in an aged care facility. Each student writes a reflective report. A group of students writes an abstract and presents a poster of their first semester's health promotion activity at the Faculty's Research Day.

ORHL3006
Oral Health Clinical Practice 5
Credit points: 18  Session: Semester 2  Classes: Clinical work  Prerequisites: ORHL3003  Assessment: Case Presentation (40%); Viva Voce (40%); Continuous (20%)  Mode of delivery: Clinical experience

In the final unit of Oral Health Clinical Practice students continue to gain experience and integrate their knowledge, understanding, and skills. The presentation of case reports and oral comprehensive assessments explore how well the student integrates their understanding of the theory and practice of patient care. External examiners assess if the student is safe and competent at graduation.
Clinical Dentistry is offered in a number of specialty stream areas aimed at increasing postgraduate training in specialist clinical practice. Each stream is governed by the course resolutions for Clinical Dentistry, with further information and the pattern of enrolment requirements for each specialty stream outlined in the following sections.

**Specialty streams**
A degree in Clinical Dentistry is available in the following specialty streams:

- Conscious Sedation and Pain Control
- Oral Implants
- Oral Medicine
- Oral Surgery (includes Surgical Dentistry)
- Orthodontics
- Paediatric Dentistry
- Periodontics
- Prosthodontics
- Special Care Dentistry
Doctor of Clinical Dentistry
Graduate Diploma in Clinical Dentistry
Graduate Certificate in Clinical Dentistry

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2000 (the 'Coursework Rule'), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course Resolutions

1. Course Codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Course and stream title</th>
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</thead>
<tbody>
<tr>
<td>TCCLDOMP-01</td>
<td>Doctor of Clinical Dentistry (Oral Medicine)</td>
</tr>
<tr>
<td>TCCLDORD-01</td>
<td>Doctor of Clinical Dentistry (Orthodontics)</td>
</tr>
<tr>
<td>TCCLDPAD-01</td>
<td>Doctor of Clinical Dentistry (Paediatric Dentistry)</td>
</tr>
<tr>
<td>TCCLDPER-01</td>
<td>Doctor of Clinical Dentistry (Periodontics)</td>
</tr>
<tr>
<td>TCCLDPRO-01</td>
<td>Doctor of Clinical Dentistry (Prosthodontics)</td>
</tr>
<tr>
<td>TCCLDSCD-01</td>
<td>Doctor of Clinical Dentistry (Special Care Dentistry)</td>
</tr>
<tr>
<td>RPPHCNCDNT-01</td>
<td>Doctor of Clinical Dentistry (Oral Surgery) (admission suspended)</td>
</tr>
<tr>
<td>GNCLDCHH-01</td>
<td>Graduate Diploma in Clinical Dentistry (Child Health)*</td>
</tr>
<tr>
<td>GNCLDCSP-01</td>
<td>Graduate Diploma in Clinical Dentistry (Conscious Sedation and Pain Control)</td>
</tr>
<tr>
<td>GNCLDHOD-01</td>
<td>Graduate Diploma in Clinical Dentistry (Hospital Dentistry)*</td>
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<tr>
<td>GNCLDBI-01</td>
<td>Graduate Diploma in Clinical Dentistry (Oral Biology)*</td>
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<td>GNCLDIM-01</td>
<td>Graduate Diploma in Clinical Dentistry (Oral Implants)</td>
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<td>GNCLDARE-01</td>
<td>Graduate Diploma in Clinical Dentistry (Advanced Restorative)</td>
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<tr>
<td>GNCLDTOM-01</td>
<td>Graduate Diploma in Clinical Dentistry (Tooth Mechanics)*</td>
</tr>
<tr>
<td>GNCLDSUD-01</td>
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<td>GCCLDCHH-01</td>
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<td>Graduate Certificate in Clinical Dentistry (Oral Biology)*</td>
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<td>GCCLDORR-01</td>
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</tr>
<tr>
<td>GCCLDSUD-01</td>
<td>Graduate Certificate in Clinical Dentistry (Surgical Dentistry)*</td>
</tr>
</tbody>
</table>

*These courses are 'exit only' qualifications.

2. Attendance pattern

(1) The attendance pattern for these courses is normally full time unless determined otherwise by the Faculty.

3. Streams and embedded courses in this sequence

(1) The Clinical Dentistry program is available in an embedded sequence, at the level of doctor, graduate diploma or graduate certificate, and must be completed in a designated stream. Candidates who wish to transfer between streams should contact the Student Administration Office.

(2) A candidate for the Doctor of Clinical Dentistry may elect to discontinue study and graduate with a shorter award from the embedded sequence, provided the requirements of the shorter award have been met. Only the highest award completed will be conferred.

(3) The following table shows the course levels and the streams awarded at each level of the embedded sequence.

<table>
<thead>
<tr>
<th>Certificate</th>
<th>Diploma</th>
<th>Doctor</th>
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<tbody>
<tr>
<td>Child Health (exit point only)</td>
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<td>Paediatric Dentistry</td>
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<tr>
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<td>Oral Medicine</td>
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<td>Special Care Dentistry</td>
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<tr>
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<td>Oral Biology (exit point only)</td>
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<tr>
<td>Advanced Restorative</td>
<td>Advanced Restorative</td>
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<tr>
<td>Tooth Mechanics (exit point only)</td>
<td>Tooth Mechanics (exit point only)</td>
<td>Orthodontics</td>
</tr>
<tr>
<td>Surgical Dentistry (exit point only)</td>
<td>Surgical Dentistry</td>
<td>Oral Surgery (admission suspended)</td>
</tr>
</tbody>
</table>
4 Admission to candidature

(1) Available places will be offered to qualified applicants based on merit, according to the following admissions criteria.

(2) Admission to the Graduate Certificate requires:
   (a) a Bachelor of Dentistry or Bachelor of Dental Surgery from the University of Sydney or equivalent institution; or an equivalent qualification that is registrable with the Australian Dental Board and with a curriculum acceptable to the faculty; and pass any examination and/or performance in an interview to a standard considered satisfactory by the faculty;
   (c) local applicants to be registered with the Australian Dental Board for practice; or international students to be registered with the Australian Dental Board for practice immediately upon admission.

(3) Admission to the Graduate Diploma and Doctor requires:
   (a) completion of the shorter embedded course in the relevant stream; or a Bachelor of Dentistry or Bachelor of Dental Surgery from the University of Sydney or equivalent institution; or an equivalent qualification that is registrable with the Australian Dental Board and with a curriculum acceptable to the faculty; and at least two years' general dental practice experience, unless exempted by the faculty; or completion of the primary Fellowship Examination of the Royal Australasian College of Dental Surgeons, or its equivalent with respect to Paediatric Dentistry, Periodontics and Oral Surgery; and pass any examination and/or performance in an interview to a standard considered satisfactory by the faculty; or local applicants to be registered with the Australian Dental Board for practice; or international students to be registered with the Australian Dental Board for practice immediately upon admission.

(4) Applicants for the Conscious Sedation and Pain Control stream are required to submit three referees' reports and a letter of intent outlining reasons for applying for this diploma course.

(5) Applicants for the Oral Implants or Oral Rehabilitation streams are required to have experience in dento-alveolar surgery.

(6) Applicants for the Orthodontics stream are required to complete a bridging course as prescribed by the faculty on the recommendation of the head of the relevant discipline.

5 Requirements for award

(1) The units of study that may be taken for the courses are set out in the table of units for Graduate Coursework Degrees.

(2) To qualify for the award of the Graduate Certificate in Clinical Dentistry a candidate must complete the prescribed 24 credit points of units of study listed for the relevant stream.

(3) To qualify for the award of the Graduate Diploma in Clinical Dentistry a candidate must complete the prescribed 48 credit points of units of study listed for the relevant stream.

(4) To qualify for the award of the Doctor of Clinical Dentistry a candidate must complete the prescribed 144 credit points of units of study listed for the relevant stream.

6 Progression rules

Candidates are required to successfully complete an end of semester assessment before being able to progress to the units of study in the subsequent semester. Candidates must remain registered with the Australian Dental Board for the duration of their candidature.

7 Cross institutional study

Cross institutional study is not available in this course.

8 International exchange

International exchange is not allowed in this course.

9 Recognition of prior learning

Candidates may be granted a reduction in volume of learning for previous studies, except that study must have been completed no more than five years before admission to candidature for this course.

(2) Candidates offered direct admission to the Doctor of Clinical Dentistry may be eligible for a reduction in the volume of learning of up to 48 credit points for an AQF level 8 or higher qualification or overseas equivalent in a cognate discipline, as defined by the Faculty of Dentistry.

(3) In determining whether or not to grant a reduction in the volume of learning and/or credit the Faculty will consider the following factors:
   (a) the clinical experience of the candidate, which must be at least five years to be eligible for a reduction in the volume of learning; and the equivalence of units taken in prior study with units in this course; and
   (c) the completion of a research project as part of prior study which may include the publication of a paper arising from such a project.

(4) The maximum reduction in the volume of learning for prior study granted to a candidate will not exceed 50% of the requirements of the course.

10 Transitional provisions

(1) These resolutions apply to persons who commenced their candidature after 1 January, 2014 and persons who commenced their candidature prior to 1 January, 2014 and who elect to proceed under these resolutions.

(2) Candidates who commenced prior to 1 January, 2014 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2019, or later date as the faculty may, in special circumstances, approve.
Graduate Diploma in Clinical Dentistry (Conscious Sedation and Pain Control)

<table>
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<td>Credit points required to complete</td>
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<tr>
<td>Time to complete part-time</td>
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*This course is only offered on a part-time basis

Overview
The course provides the opportunity to develop skills and acquire knowledge in the growing field of conscious sedation and pain control. The course develops skills for general practitioners in safe sedation techniques. Major areas of study include: the practice of sedation, differential diagnosis of collapse and advanced life support. The program is aimed at dental graduates wishing to be endorsed in administering conscious sedation.

Course outcomes
The program develops skills in:
- safe sedation techniques
- advanced life support
- differential diagnosis of medically compromised patients.

Further information
For further information about this program see the Faculty of Dentistry website at: sydney.edu.au/dentistry/student/postgrad.php

Pattern of enrolment
Enrolment is part-time. In order to fulfil the requirements for endorsement in sedation with the Australian Health Practitioner Regulation Agency (AHPRA) and the Dental Board of Australia (DBA), units of study must be taken in the following sequence. All units of study are compulsory unless otherwise noted.

Academic Year 1

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<tr>
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<tr>
<td>DENT5307</td>
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Table of units of study: Conscious Sedation and Pain Control

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<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
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Unit of study descriptions

**DENT5300**
Basic Life Support and Resuscitation A

Credit points: 6  
Teacher/Coordinator: Dr Douglas Stewart  
Session: Semester 1  
Classes: Small group seminars and clinical sessions  
Corequisites: DENT5301  
Assessment: Clinical and theoretical work  
Mode of delivery: Clinical experience

This unit provides students studying at the postgraduate level with an advanced level of experience in practical dental sedation methods and procedures, also with an overview of theoretical dental sedation methods and procedures.

Textbooks
A recommended text book/reading list will be provided in class.

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**DENT5302**
Basic Life Support and Resuscitation B

Credit points: 6  
Teacher/Coordinator: Dr Douglas Stewart  
Session: Semester 2  
Classes: Small group seminars and clinical sessions  
Corequisites: DENT5300 and DENT5301  
Assessment: Clinical and theoretical work comprising written assignments  
Mode of delivery: Clinical experience

This unit provides students studying at the postgraduate level with an advanced level of experience in practical dental sedation methods and procedures, also with an overview of theoretical dental sedation methods and procedures.

Textbooks
A recommended text book/reading list will be provided in class.

---

**DENT5303**
Theory and Practice of Dental Sedation A

Credit points: 6  
Session: Semester 2  
Classes: Small group seminars and clinical sessions  
Corequisites: DENT5300 and DENT5301  
Assessment: Clinical and theoretical work comprising written assignments  
Mode of delivery: Clinical experience

This unit provides students studying at the postgraduate level with an advanced level of experience in practical dental sedation methods and procedures, also with an overview of theoretical dental sedation methods and procedures.

Textbooks
A recommended text book/reading list will be provided in class.

---

**DENT5304**
Basic Life Support and Resuscitation C

Credit points: 6  
Teacher/Coordinator: Dr Douglas Stewart  
Session: Semester 1  
Classes: Small group seminars and clinical sessions  
Corequisites: DENT5302 and DENT5303  
Assessment: Clinical and theoretical work comprising written assignments  
Mode of delivery: Clinical experience

This unit provides students studying at the postgraduate level with an advanced level of experience in practical dental sedation methods and procedures, also with an overview of theoretical dental sedation methods and procedures.

Textbooks
A recommended text book/reading list will be provided in class.

---

**DENT5305**
Theory and Practice of Dental Sedation C

Credit points: 6  
Teacher/Coordinator: Dr Douglas Stewart  
Session: Semester 1  
Classes: Small group seminars and clinical sessions  
Corequisites: DENT5304 and DENT5305  
Assessment: Clinical and theoretical work comprising written assignments  
Mode of delivery: Clinical experience

This unit provides students studying at the postgraduate level with an advanced level of experience in practical dental sedation methods and procedures, also with an overview of theoretical dental sedation methods and procedures.

Textbooks
A recommended text book/reading list will be provided in class.

---

**DENT5306**
Basic Life Support and Resuscitation D

Credit points: 6  
Teacher/Coordinator: Dr Douglas Stewart  
Session: Semester 2  
Classes: Small group seminars and clinical sessions  
Corequisites: DENT5304 and DENT5305  
Assessment: Clinical and theoretical work comprising written assignments  
Mode of delivery: Clinical experience

This unit provides students studying at the postgraduate level with an advanced level of experience in practical dental sedation methods and procedures, also with an overview of theoretical dental sedation methods and procedures.

Textbooks
A recommended text book/reading list will be provided in class.

---

**DENT5307**
Theory and Practice of Dental Sedation D

Credit points: 6  
Session: Semester 2  
Classes: Small group seminars and clinical sessions  
Corequisites: DENT5304 and DENT5305  
Assessment: Clinical and theoretical work comprising written assignments  
Mode of delivery: Clinical experience

This unit provides students studying at the postgraduate level with an advanced level of experience in practical dental sedation methods and procedures, also with an overview of theoretical dental sedation methods and procedures.

Textbooks
A recommended text book/reading list will be provided in class.
Graduate Diploma in Clinical Dentistry (Oral Implants)
Graduate Certificate in Clinical Dentistry (Oral Rehabilitation)

<table>
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<tr>
<th>Course code</th>
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* This course is only offered on a part-time basis
^ Bi-annual intake - next intake is for the course starting February 2016

Overview
The course aims to provide dental graduates with the skills and knowledge to manage treatment involving oral rehabilitation, including oral implant treatment, in general dental practice. The program focuses on the clinical practice of oral implant restoration. The program is aimed at dental graduates wishing to develop skills in oral rehabilitation including implant treatment for general dental practice.

Course outcomes
Graduates of the program have the skills and knowledge to provide oral rehabilitation, including implant treatment, in general dental practice.

Further information
For further information about this program see the Faculty of Dentistry website at: sydney.edu.au/dentistry/student/postgrad.php

Pattern of enrolment
Enrolment is part-time. In order to successfully be accredited to carry out the placement of oral implants in general practice, all Units of Study must be taken in the following sequence. All units of study are compulsory unless otherwise noted.

Graduate Certificate

### Academic Year 1

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<td>DENT5021 Implant Treatment Planning 1</td>
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<tr>
<th>Semester 2 UoS code and name</th>
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### Academic Year 2

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<td>DENT5026 Implant Surgery - Prosthodontics</td>
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<tr>
<td>DENT5027 Implant Advanced Procedures</td>
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Students who wish to transfer or articulate into the Graduate Diploma will be required to enrol into DENT5022 and DENT5028 Oral Rehabilitation Clinical unit in semester 1 of the year following completion of the requirements of Graduate Certificate.

Graduate Diploma

### Academic Year 1

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Table of units of study: Oral Rehabilitation

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Table of units of study: Oral Implants

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Unit of study descriptions

**DENT5020**
**Implant Patient Selection**
Credit points: 6  **Teacher/Coordinator:** Professor Iven Klineberg, Associate Professor Richard Chan  **Session:** Semester 1  **Classes:** 1x7day block (8am - 5pm) + 3x3hr mentored clinical sessions in private practice + self-directed study  **Corequisites:** DENT5021 and DENT5022  **Assessment:** case selection (100%)  **Mode of delivery:** Clinical experience

This unit provides students studying at the postgraduate level with clinical and evidence-based information on patient selection for oral implant care.

**Textbooks**
Recommended resources including texts and publications will be provided in class.

**DENT5021**
**Implant Treatment Planning 1**
Credit points: 6  **Teacher/Coordinator:** Professor Iven Klineberg, Associate Professor Richard Chan  **Session:** Semester 1  **Classes:** 1x5day block (8am - 5pm) + 3x3hr mentored clinical sessions in private practice + self-directed study  **Corequisites:** DENT5020 and DENT5022  **Assessment:** clinical case (1+2+3+4) presentations (formative) + clinical mentor feedback (80%), log book details (20%)  **Mode of delivery:** Clinical experience

This unit provides students studying at the postgraduate level with clinical and evidence-based information on treatment planning for oral implant care.

**Textbooks**
Recommended resources including texts and publications will be provided in class.

**DENT5024**

**Implant Clinical Procedures 2**

Credit points: 6  
Teacher/Coordinator: Associate Professor Richard Chan, Professor Iven Klineberg  
Session: Semester 2  
Classes: clinical experience + 3x3hr mentored clinical sessions in private practice + self-directed study  
Prerequisites: (DENT5020 and DENT5021 and DENT5022) or DENT5357  
Corequisites: DENT5023 Assessment: clinical mentor feedback (30%), barrier assessment / viva voce (70%)  
Mode of delivery: Clinical experience

This unit provides students studying at the postgraduate level with clinical and evidence-based information on clinical procedures for oral implant care.

Textbooks

Recommended resources including texts and publications will be provided in class.

**DENT5025**

**Implant Prosthodontics**

Credit points: 6  
Teacher/Coordinator: Associate Professor Richard Chan, Professor Iven Klineberg  
Session: Semester 1  
Classes: 1x5day block (8am - 5pm) + 3x3hr mentored clinical sessions in private practice + self-directed study  
Prerequisites: (DENT5023 and DENT5024) or DENT5358  
Corequisites: DENT5025 and DENT5027  
Assessment: case (3-4) presentations (summative) (40%), clinical mentor feedback (30%), assignment 2 presentation (20%), log book details (10%)  
Mode of delivery: Clinical experience

This unit provides students studying at the postgraduate level with clinical and evidence-based information on prosthodontic procedures for oral implant care.

Textbooks

Recommended resources including texts and publications will be provided in class.

**DENT5026**

**Implant Surgery - Prosthodontics**

Credit points: 6  
Teacher/Coordinator: Associate Professor Richard Chan, Professor Iven Klineberg  
Session: Semester 1  
Classes: 1x5day block (8am - 5pm) + 3x3hr mentored clinical sessions in private practice + self-directed study  
Prerequisites: (DENT5023 and DENT5024) or DENT5358  
Corequisites: DENT5025 and DENT5027  
Assessment: clinical case (3+4) presentations (summative) (40%), clinical mentor feedback (30%), assignment 2 presentation (20%), log book details (10%)  
Mode of delivery: Clinical experience

This unit provides students studying at the postgraduate level with clinical and evidence-based information on surgical and prosthodontic procedures for oral implant care.

Textbooks

Recommended resources including texts and publications will be provided in class.

**DENT5027**

**Implant Advanced Procedures**

Credit points: 6  
Teacher/Coordinator: Associate Professor Richard Chan, Professor Iven Klineberg  
Session: Semester 1  
Classes: 1x4day block (8am - 5pm)  
Prerequisites: (DENT5023 and DENT5024) or DENT5358  
Corequisites: DENT5025 and DENT5026  
Assessment: 1x3hr written examination (40%), viva voce (30mins) (40%), case documentation (10%), log book details (10%)  
Mode of delivery: Clinical experience

This unit provides students studying at the postgraduate level with clinical and evidence-based information on advanced clinical procedures for oral implant care.

Textbooks

Recommended resources including texts and publications will be provided in class.

**DENT5028**

**Oral Rehabilitation Clinical**

Credit points: 6  
Teacher/Coordinator: Professor Iven Klineberg, Dr Kent Yuen, Ms Alison Reid  
Session: Semester 1  
Classes: Block mode (1 x 5 days)  
Assessment: Viva Voce (50%) Oral Implant Case Discussion (50%)  
Mode of delivery: Block mode  
Note: Department permission required for enrolment.

This unit of study includes patient management with a focus on history and assessment, mouth preparation digital treatment planning and hands on preparation of imaging guide. This unit of study is only available for those candidate articulating to the Graduate Diploma in Clinical Dentistry (Oral Implants).
Doctor of Clinical Dentistry (Oral Medicine)

Graduate Diploma in Clinical Dentistry (Hospital Dentistry)

Graduate Certificate in Clinical Dentistry (Hospital Dentistry)

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<th>Course code</th>
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<th>Degree Abbreviation</th>
<th>Credit points</th>
<th>Time to complete full-time</th>
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<td>DClinDent(Oral Medicine)</td>
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Overview
The program aims to develop the skills necessary for the non-surgical management of the full range of oral diseases as well as for the care of medically compromised patients in hospital and non-hospital settings. Diagnostic oral and general pathology are integral parts of the program.

The program is aimed at dental graduates preparing for a career in clinical oral medicine. Graduates will be prepared for specialist work within a large general hospital or in a private practice. The training in research will also provide a basis for an academic career, which would involve further research training through a Doctor of Philosophy. Additional training in diagnostic oral pathology would permit work within a diagnostic histo-pathology.

Course outcomes
The program develops skills in:
- the diagnosis and non-surgical treatment of diseases of the oral mucosa and salivary glands
- the diagnosis and non-surgical treatment of facial pain
- the diagnosis and non-surgical treatment of the oral manifestations of systematic diseases such as HIV
- providing oral health care needs of medically compromised patients, including transplant recipients.

Further information
For further information about this program see the Faculty of Dentistry website at: sydney.edu.au/dentistry/student/postgrad.php

Pattern of enrolment
Enrolment is full-time. In order to fulfil the requirements for registration as a specialist in this field, all Units of Study must be taken in the following sequence. All units of study are compulsory unless otherwise noted.

Academic Year 1

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<td>DENT5201</td>
<td>Oral Medicine and Oral Pathology 1</td>
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<td>DENT5202</td>
<td>Internal and General Medicine 1A</td>
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Semester 2

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Academic Year 2

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Academic Year 3

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For internal use by University of Sydney staff only.
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### Table of units of study: Oral Medicine

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<tr>
<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
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Graduate Certificate exit students are required to successfully complete the first 4 units of study.
Graduate Diploma exit students are required to successfully complete the first 8 units of study.

| **Year 2**    |               |                      |                  |                |                |         |
| DENT5206      | 6             | P (DENT6010 and DENT5203 and DENT5204 and DENT5205) or DENT6127 | C DENT6010 and DENT5204 and DENT5208 |                |                | Semester 1 |
| DENT5207      | 6             | P (DENT6010 and DENT5203 and DENT5204 and DENT5205) or DENT6127 | C DENT6011 and DENT5204 and DENT5208 |                |                | Semester 1 |
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| DENT6011      | 6             | P DENT6010 or DENT6127 or DENT6227 or DENT6277 or DENT6327 or DENT6386 |                |                |                | Semester 1 Semester 2 |
| DENT5209      | 6             | P (DENT6011 and DENT5206 and DENT5208) or DENT6128 | C DENT6012 and DENT5210 and DENT5211 |                |                | Semester 2 |
| DENT5210      | 6             | P (DENT6011 and DENT5206 and DENT5208) or DENT6128 | C DENT6012, DENT5209, DENT5211 |                |                | Semester 2 |
| DENT5211      | 6             | P (DENT6011 and DENT5206 and DENT5208) or DENT6128 | C DENT6012, DENT5209, DENT5210 |                |                | Semester 2 |
| DENT6012      | 6             | P DENT6011 or DENT6128 or DENT6228 or DENT6278 or DENT6328 or DENT6393 |                |                |                | Semester 2 |

| **Year 3**    |               |                      |                  |                |                |         |
| DENT5212      | 6             | P (DENT6012 and DENT5209 and DENT5210 and DENT5211) or DENT6129 | C DENT6013, DENT5213, DENT5214 |                |                | Semester 1 |
| DENT5213      | 6             | P (DENT6012 and DENT5209 and DENT5210 and DENT5211) or DENT6129 | C DENT6013, DENT5212, DENT5214 |                |                | Semester 1 |
| DENT5214      | 6             | P (DENT6012 and DENT5209 and DENT5210 and DENT5211) or DENT6129 | C DENT6013, DENT5212, DENT5213 |                |                | Semester 1 |
| DENT6013      | 6             | P DENT6012 or DENT6129 or DENT6229 or DENT6279 or DENT6329 or DENT6397 |                |                |                | Semester 1 |
| DENT5215      | 6             | P (DENT6013 and DENT5212 and DENT5213 and DENT5214) or DENT6130 | C DENT6014, DENT5216, DENT5217 |                |                | Semester 2 |
| DENT5216      | 6             | P (DENT6013 and DENT5212 and DENT5213 and DENT5214) or DENT6130 | C DENT6014, DENT5215, DENT5217 |                |                | Semester 2 |
| DENT5217      | 6             | P (DENT6013 and DENT5212 and DENT5213 and DENT5214) or DENT6130 | C DENT6014, DENT5215, DENT5216 |                |                | Semester 2 |
| DENT6014      | 6             | P DENT6013 or DENT6130 or DENT6230 or DENT6280 or DENT6330 or DENT6411 |                |                |                | Semester 2 |
Unit of study descriptions

Year 1

DENT5200
Applied Oral Biology
Credit points: 6 Teacher/Coordinator: Associate Professor Hans Zoellner, Associate Professor Hedley Coleman Session: Semester 1 Classes: independent study x 4 hrs, seminar presentation x 3 hrs, journal club presentation x 2 hrs (per week) Corequisites: DENT6000 and DENTS201 and DENTS202 Assessment: ongoing assessment of participation and contribution in journal club and seminar presentations (100%) Mode of delivery: Normal (lecture/lab/tutorial) day
Basic oral/dental histology and biology will be covered. Topics include embryology including tooth development, histology of oral mucosa, salivary glands and bone.

Textbooks
Oral Histology, Ten Cate

DENTS201
Oral Medicine and Oral Pathology 1
Credit points: 6 Teacher/Coordinator: Associate Professor Mark Schifter, Associate Professor Hedley Coleman, Associate Professor Hans Zoellner, Dr Anastasia Georgiou, Dr Sue-Ching Yeoh Session: Semester 1 Classes: oral medicine clinic x 10 hrs, biopsy clinic x 3 hours, medically complex clinic x 4hrs, oral medicine/oral pathology conference x 4hrs (per week) Corequisites: DENT6000 and [DENT6210 and DENT6211] or (DENTS200 and DENTS202) Assessment: continuous clinical assessment (50%), viva voce (50%) Mode of delivery: Clinical experience

Principles of effective diagnostic procedure are reinforced through supervised clinical training. Emphasis is placed on history taking and examination; application and interpretation of special investigations; differential diagnosis; treatment planning; clinical records and quality of care evaluation; and the development of effective communication skills in interdisciplinary clinical practice. Principles and practice of pharmacology.

Topics include: processes of inflammation and repair, hamartomas, oral dermatoses, neoplasia, orofacial infections, salivary gland diseases, neurological disorders and pain syndromes. Oral conditions of systemic significance include manifestations of: haematological and other malignancies and their treatment, immunosuppression (e.g. HIV), autoimmune diseases, psychogenic disorders with orofacial features.

Review of relevant histopathology cases.

Medically complex clinics focus on aspects of internal medicine of concern to the provision of safe and effective dental treatment in patients with severe medical conditions. Topics include: defective haemostasis, blood transfusion requirements, endocarditis prophylaxis, bisphosphonate therapy, drug interactions, infectious diseases, allergy, immunosuppression, chemotherapy, radiation oncology, palliative care, endocrine therapy, geriatrics, physical handicaps, psychiatric illness and chronic pain problems.

Principles and practice of diagnostic dental and maxillofacial radiology are reinforced, with direct practical experience with a focus on extra-oral techniques. Discussions on diagnostic/interpretive imaging, including plain film radiography, sialography, angiography, CT and MRI.

Textbooks

DENT5202
Internal and General Medicine 1A
Credit points: 6 Teacher/Coordinator: Dr Michael Veness, Dr Gary Morgan, Dr Carsten Palme, Dr John Sullivan, A/Prof Ken Bradstock, Associate Professor Mark Schifter Session: Semester 1 Classes: medical rotations x3hrs, medical grand rounds x 1 hr, basic physicians training course x 3 hrs (per week)
Corequisites: DENT6000 and DENTS200 and DENTS201 Assessment: continuous clinical assessment (50%); viva voce (50%) Mode of delivery: Clinical experience
Candidates rotate through various medical specialty clinics including: Head and Neck Radiation Oncology, Haematology (with emphasis on the care of patients undergoing haematopoietic stem cell transplants), Dermatology, Immunology and Radiology/Nuclear Medicine.
An emphasis is placed on understanding and application of principles of pharmacology.
Attendance at the FRACP trainee physician’s lecture series held weekly in two blocks of six months over two years covers the spectrum of topics relevant to internal medicine. The lecture series covers the spectrum of internal medicine including the aetiology, pathogenesis, diagnosis, management, prevention and epidemiology of disease.
The series covers the main areas of immunology, molecular biology and genetics, endocrinology, neurology, renal medicine, gastroenterology and hepatology, rheumatology, pharmacology, haematology, infectious diseases, respiratory medicine, cardiology, oncology, social and community medicine.
Candidates also attend the Medical Grand Rounds at Westmead Hospital.

DENT6000
Research Methods in Dentistry
Credit points: 6 Teacher/Coordinator: Dr Manish Arora Session: Semester 1, Semester 2 Classes: 1x2hr tutorial/week x 10weeks Assessment: examination (50%) and weekly assignment (50%) Mode of delivery: Normal (lecture/lab/tutorial) day
Note: Department permission required for enrolment.

Research Methods in Dentistry is a postgraduate course designed to provide fundamental skills in clinical research design and critical appraisal of scientific literature for students intending to undertake research at the Faculty of Dentistry. The ability to critically evaluate journal articles is seen as an indispensable tool in the pursuit of clinical practice founded on Evidence-Based Dentistry.
All course material is provided on compact discs and through eLearning (formerly WebCT) via the University of Sydney’s website. A detailed series of notes, tutorial exercises and recorded mini-lectures are included in the study material. Students are required to complete one tutorial exercise/assignment each week. Weekly tutorial sessions are held at Westmead Hospital and Sydney Dental Hospital.
Topics covered include epidemiologic study design, measures of disease frequency and association, as well as confounding, bias and measurement error. Considerable attention is paid to critical appraisal of journal articles. An introduction into diagnostic test studies, systematic reviews and basic biostatistics is also provided.

Textbooks
Class notes and full-text journal articles are provided via the course website.

DENT5203
Oral Medicine 1
Credit points: 6 Teacher/Coordinator: Associate Professor Mark Schifter, Associate Professor Hedley Coleman, Associate Professor Hans Zoellner, Dr Anastasia Georgiou, Dr Sue-Ching Yeoh Session: Semester 2 Classes: oral medicine clinic x 10 hrs, biopsy clinic x 3 hours, medically complex clinic x 4hrs, oral medicine conference x 3hrs (per week) Prerequisites: DENT6000 and DENTS200 and DENTS201 and DENTS202 or DENT6126 Corequisites: DENT6010 and DENTS204 and DENTS205 Assessment: continued clinical assessment (30%), 1x 2000 word essays (10%), written paper x 2 hrs (40%), viva voce (20%) Mode of delivery: Clinical experience

Principles of effective diagnostic procedure are reinforced through supervised clinical training. Emphasis is placed on history taking and examination; application and interpretation of special investigations; differential diagnosis; treatment planning; clinical records and quality of care evaluation; and the development of effective communication skills in interdisciplinary clinical practice. Principles and practice of pharmacology.

Topics include: processes of inflammation and repair, hamartomas, oral dermatoses, neoplasia, orofacial infections, salivary gland
An emphasis is placed on understanding and application of principles of pharmacology. Attendance at the FRACP trainee physician’s lecture series held weekly in two blocks of six months over two years covers the spectrum of topics relevant to internal medicine. The lecture series covers the spectrum of internal medicine including the aetiology, pathogenesis, diagnosis, management, prevention and epidemiology of disease. The series covers the main areas of immunology, molecular biology and genetics, endocrinology, neurology, renal medicine, gastroenterology and hepatology, rheumatology, pharmacology, haematology, infectious diseases, respiratory medicine, cardiology, oncology, social and community medicine.

Candidates also attend the Medical Grand Rounds at Westmead Hospital.

DENT6010
Dental Research Studies 1
Credit points: 6 Teacher/Coordinator: Professor Greg Murray Session: Semester 2 Classes: Weekly attendance in research seminars (70% attendance required) and 2hr research sessions. Prerequisites: DENT6000 or DENT6126 or DENT6226 or DENT6276 or DENT6326 or DENT6362 Assessment: Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit provides the introduction to a research project, including the development of a research proposal and literature review. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

Year 2

DENT5206
Oral Medicine 2A
Credit points: 6 Teacher/Coordinator: Associate Professor Mark Schifter, Associate Professor Hedley Coleman, Associate Professor Hans Zoetliner, Dr Anastasia Georgiou, Dr Sue-Ching Yeoh Session: Semester 1 Classes: oral medicine clinic x 10 hrs, biopsy clinic x 9 hrs, medically complex clinic x 4hrs, oral medicine conference x 3hrs (per week/laser training course 8hrs Prerequisites: (DENT6010 and DENT5203 and DENT5204 and DENT5205) or DENT6127 Corequisites: DENT6011 and DENT5207 and DENT5208 Assessment: continued clinical assessment (40%), written paper (3hrs) and journal article critique (1 hr) (40%), viva voce (20%) Mode of delivery: Clinical experience

Principles of effective diagnostic procedure are reinforced through supervised clinical training. Emphasis is placed on history taking and examination; application and interpretation of special investigations; differential diagnosis; treatment planning; clinical records and quality of care evaluation; and the development of effective communication skills in interdisciplinary clinical practice. Principles and practice of pharmacology.

Topics include: processes of inflammation and repair, hamartomas, oral dermatooses, neoplasia, orofacial infections, salivary gland diseases, neurological disorders and pain syndromes. Oral conditions of systemic significance include manifestations of: haematological and other malignancies and their treatment, immunosuppression (eg, HIV), autoimmune diseases, psychogenic disorders with orofacial features.

Review of relevant histopathology cases.

Medically complex clinics focus on aspects of internal medicine of concern to the provision of safe and effective dental treatment in patients with severe medical conditions. Topics include: defective haemostasis, blood transfusion requirements, endocarditis prophylaxis, bisphosphonate therapy, drug interactions, infectious diseases, allergy, immunosuppression, chemotherapy, radiation oncology, palliative treatments.
care, endocrine therapy, geriatrics, physical handicaps, psychiatric illness and chronic pain problems.

Principles and practice of diagnostic dental and maxillofacial radiology are reinforced, with direct practical experience with a focus on extra-oral techniques. Discussions on diagnostic/interpretive imaging, including plain film radiography, sialography, angiography, CT and MRI.

Textbooks
Oral and Maxillofacial Pathology, 2nd ed BW Neville, DD Damm, CA Allen. JE Bouquot.
Lucas's Pathology of Tumours of the Oral Tissues, RA Cawson, WH Binnie, PM Speight, AW Barrett, JM Wright
Oral Pathology Clinical Pathologic Correlations, JA Regezi, JJ Scibuba, RCK Jordan
Medical Problems in Dentistry, C Scully, RA Cawson
Dental Management of the Medically Compromised Patient, JW Little, DA Falace, CS Miller, NL Rhodus

DENT5207
Oral Pathology 2A
Credit points: 6 Teacher/Coordinator: Associate Professor Hedley Coleman
Session: Semester 1 Classes: oral pathology conference (slide review and journal club) x 2 hrs, seminars x 1 hr, diagnostic oral pathology x 1 hr (per week)
Prerequisites: (DENT6010 and DENT5203 and DENT5204 and DENT5205) or DENT6127 Corequisites: DENT6011 and DENT5206 and DENT5208 Assessment: 1 x 2hr written examination (50%), viva voce (50%) Mode of delivery: Normal (lecture/lab/tutorial) day

The course of study covers a broad spectrum of general histopathology with introduction to the specialised disciplines of cytopathology and immunopathology and their clinical applications.

The oral pathology component is expanded continuing to examine in more detail the clinicopathological features of soft and hard tissue pathoses including inflammatory and repair processes, hamartomas, mucosal and salivary gland diseases, fibro-osseous conditions, benign and malignant non-odontogenic and odontogenic neoplasms, and cysts of the jaws and soft tissues of the head and neck. Weekly departmental review of the current histopathology cases, particularly biopsies of patients undertaken or seen in the Oral Medicine clinics, or Head and Neck oncology clinics.

Textbooks
Oral and Maxillofacial Pathology, 2nd ed, BW Neville, DD Damm, CA Allen. JE Bouquot.
Oral Pathology Clinical Pathologic Correlations, JA Regezi, JJ Scibuba, RCK Jordan
Pathologic Basis of Disease, 7th ed, Kumar V, Abbas AK, Fausto N

DENT5208
Internal and General Medicine 2A
Credit points: 6 Teacher/Coordinator: Dr Michael Veness, Dr Gary Morgan, Dr John Sullivan, A/Prof Ken Bradstock, Associate Professor Mark Schifter
Session: Semester 1 Classes: medical rotations x3hrs, medical grand rounds x 1 hr, basic physicians training course x 3 hrs (per week) basic sciences in oncology course x 6 hrs (per month) Prerequisites: (DENT6010 and DENT5203 and DENT5204 and DENT5205) or DENT6127 Corequisites: DENT6011 and DENT5206 and DENT5207 Assessment: continuous clinical assessment (50%); viva voce (50%) Mode of delivery: Clinical experience

Candidates rotate through various medical speciality clinics including: Head and Neck Radiation Oncology, Haematology (with emphasis on the care of patients undergoing haematopoietic stem cell transplants), Dermatology, Immunology and Radiology/Nuclear Medicine.

An emphasis is placed on understanding and application of principles of pharmacology.

Attendance at the FRACP trainee physician’s lecture series held weekly in two blocks of six months over two years covers the spectrum of topics relevant to internal medicine. The lecture series covers the spectrum of internal medicine including the aetiology, pathogenesis, diagnosis, management, prevention and epidemiology of disease. The series covers the main areas of immunology, molecular biology and genetics, endocrinology, neurology, renal medicine, gastroenterology and hepatology, rheumatology, pharmacology, haematology, infectious diseases, respiratory medicine, cardiology, oncology, social and community medicine.

Candidates also attend the Medical Grand Rounds at Westmead Hospital.

Attendance at the Basic Science in Oncology Course run by the Cancer Institute of NSW runs monthly over two semesters.

DENT6011
Dental Research Studies 2
Credit points: 6 Teacher/Coordinator: Professor Greg Murray
Session: Semester 1 Classes: Weekly attendance in research seminars (70% attendance required) and 6hr research sessions, Prerequisites: DENT6010 or DENT6127 or DENT6227 or DENT6277 or DENT6327 or DENT6386 Assessment: Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit provides continuation of a research project, including the refinement of research methodology and data acquisition. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

DENT5209
Oral Medicine 2B
Credit points: 6 Teacher/Coordinator: Associate Professor Mark Schifter, Associate Professor Hedley Coleman, Associate Professor Hans Zoellner, Dr Anastasia Georgiou, Dr Sue-Ching Yeoh
Session: Semester 2 Classes: oral medicine clinic x 10 hrs, biopsy clinic x 3 hours, medicaly complex clinic x 4hrs, oral medicine conference x 3hrs (per week) Prerequisites: (DENT6011 and DENT5206 and DENT5207 and DENT5208) or DENT6128 Corequisites: DENT6012 and DENT5210 and DENT5211 Assessment: continued clinical assessment (30%), 1 x 2000 word essay (10%), written paper and osce style examination (40%), viva voce (20%) Mode of delivery: Clinical experience

Principles of effective diagnostic procedure are reinforced through supervised clinical training. Emphasis is placed on history taking and examination; application and interpretation of special investigations; differential diagnosis; treatment planning; clinical records and quality of care evaluation; and the development of effective communication skills in interdisciplinary clinical practice. Principles and practice of pharmacology.

Topics include: processes of inflammation and repair, hamartomas, oral dermatesthes, neoplasia, orofacial infections, salivary gland diseases, neurological disorders and pain syndromes. Oral conditions of systemic significance include manifestations of: haematological and other malignancies and their treatment, immunosuppression (e.g. HIV), autoimmune diseases, psychogenic disorders with orofacial features.

Review of relevant histopathology cases.

Medically complex clinics focus on aspects of internal medicine of concern to the provision of safe and effective dental treatment in patients with severe medical conditions. Topics include: defective haemostasis, blood transfusion requirements, endocarditis prophylaxis, bisphosphonate therapy, drug interactions, infectious diseases, allergy, immunosuppression, chemotherapy, radiation oncology, palliative care, endocrine therapy, geriatrics, physical handicaps, psychiatric illness and chronic pain problems.

Principles and practice of diagnostic dental and maxillofacial radiology are reinforced, with direct practical experience with a focus on extra-oral techniques. Discussions on diagnostic/interpretive imaging, including plain film radiography, sialography, angiography, CT and MRI.

Textbooks
Oral and Maxillofacial Pathology, 2nd ed, BW Neville, DD Damm, CA Allen. JE Bouquot.
Lucas’s Pathology of Tumours of the Oral Tissues, RA Cawson, WH Binnie, PM Speight, AW Barrett, JM Wright
Oral Pathology Clinical Pathologic Correlations, JA Regezi, JJ Scibuba, RCK Jordan
Medical Problems in Dentistry, C Scully, RA Cawson

37
DENT6210
Oral Pathology 2B
Credit points: 6
Teacher/Coordinator: Associate Professor Hedley Coleman
Associate Professor Chris Griffiths
Session: Semester 2
Classes: oral pathology conference (slide review and journal club) x 2 hrs, seminars x 1 hr, diagnostic oral pathology x 1 hr (per week), forensic odontology course 30 hrs.
Prerequisites: (DENT6011 and DENT6206 and DENT6207 and DENT6208) or DENT6128
Corequisites: DENT6012, DENT5209, DENT5211
Assessment: oral presentations (20%), 1 x 3 hr written exam (40%), 1 x 1 hr practical exam (20%), viva voce (20%)
Mode of delivery: Normal (lecture/lab/tutorial) day

The oral pathology component continues to build on the foundations previously established. The course further extends exposure to the specialised disciplines of cytopathology and immunopathology and their clinical applications. Weekly departmental review of the current histopathology cases, particularly biopsies of patients undertaken or seen in the Oral Medicine clinics, or Head and Neck oncology clinics. Forensic Odontology is introduced with a block course covering the history of forensic identification, the role of police in forensic investigation, interaction of government agencies, bitemark evidence and interpretation, age determination, interesting forensic cases, dental charting systems, forensic dental radiology, coronal system, forensic dentistry and law, introduction to course, denture marking and computerisation.

Textbooks
Oral and Maxillofacial Pathology, 2Ed, BW Neville, DD Damm. CA Allen. JE Bouquot.
Lucas's Pathology of Tumours of the Oral Tissues, RA Cawson, WH Binnie, PM Speight, AW Barrett, JM Wright
Oral Pathology Clinical Pathologic Correlations, JA Regezi, JI Scibubba, RCK Jordan

DENT5211
Internal and General Medicine 2B
Credit points: 6
Teacher/Coordinator: Dr Michael Veness, Dr Gary Morgan, Dr Carsten Palme, Dr John Sullivan, A/Prof Ken Bradstock, Associate Professor Mark Schiller
Session: Summer 2
Classes: medical rotations x 12, general medicine rounds x 1 hr, basic physicians training course x 3 hrs (per week) basic sciences in oncology x 6 hrs (per month)
Prerequisites: (DENT6011 and DENT6206 and DENT6207 and DENT6208) or DENT6128
Corequisites: DENT6012, DENT5209, DENT5210, DENT5211
Assessment: continuous clinical assessment (20%), written paper x2 (3 hrs) (30%), viva voce (20%)
Mode of delivery: Clinical experience

Candidates rotate through various medical specialty clinics including: Head and Neck Radiation Oncology, Haematology (with emphasis on the care of patients undergoing haematopoietic stem cell transplants), Dermatology, Immunology and Radiology/Nuclear Medicine.

An emphasis is placed on understanding and application of principles of pharmacology.

Attendance at the FRACP trainee physician's lecture series held weekly in two blocks of six months over two years covers the spectrum of topics relevant to internal medicine. The lecture series covers the spectrum of internal medicine including the aetiology, pathogenesis, diagnosis, management, prevention and epidemiology of disease. The series covers the mains areas of immunology, molecular biology and genetics, endocrinology, neurology, renal medicine, gastroenterology, hepatology, rheumatology, pharmacology, haematology, infectious diseases, respiratory medicine, cardiology, oncology, social and community medicine.

Candidates also attend the Medical Grand Rounds at Westmead Hospital.

Attendance at the Basic Science in Oncology Course run by the Cancer Institute of NSW runs monthly over two semesters.

DENT6012
Dental Research Studies 3
Credit points: 6
Teacher/Coordinator: Professor Greg Murray Session: Semester 2
Classes: Research seminars x 4 hrs, seminars x 2 hrs, oral pathology conference (slide review and journal club) x 2 hrs, research projects x 1 hr (per week)
Prerequisites: (DENT6011 and DENT6206 and DENT6207 and DENT6208) or DENT6128 or DENT6228 or DENT6278 or DENT6328 or DENT6393
Assessment: Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree.

Mode of delivery: Normal (lecture/lab/tutorial) day

This unit provides continuation of a research project, including the refinement of research methodology and data acquisition. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

Year 3

DENT6212
Oral Medicine 3A
Credit points: 6
Teacher/Coordinator: Associate Professor Mark Schiller, Associate Professor Hedley Coleman, Associate Professor Hans Zoellner, Dr Anastasia Georgiou, Dr Sue-Ching Yeoh
Session: Semester 1
Classes: Oral medicine clinic x 10 hrs, biopsy clinic x 3 hrs, medically complex clinic x 4 hrs, oral medicine conference x 3 hrs (per week) Prerequisites: (DENT6012 and DENT5209 and DENT5210 and DENT5211) or DENT6129
Corequisites: DENT6013, DENT5213, DENT5214
Assessment: continuous clinical assessment (20%), written paper x2 (3 hrs) (30%), osce (15%), patient examination and presentation (15%), viva voce (20%)
Mode of delivery: Clinical experience

Principles of effective diagnostic procedure are reinforced through supervised clinical training. Emphasis is placed on history taking and examination; application and interpretation of special investigations; differential diagnosis; treatment planning; clinical records and quality of care evaluation; and the development of effective communication skills in interdisciplinary clinical practice. Principles and practice of pharmacology.

Topics include: processes of inflammation and repair, hamartomas, oral dermatoses, neoplasia, oral infections, salivary gland diseases, neurological disorders and pain syndromes. Oral conditions of systemic significance include manifestations of: haematological and other malignancies and their treatment, immunosuppression (eg. HIV), autoimmune diseases, psychogenic disorders and oral facial features.

Review of relevant histopathology cases. Medically complex clinics focus on aspects of internal medicine of concern to the provision of safe and effective dental treatment in patients with severe medical conditions. Topics include: defective haemostasis, blood transfusion requirements, endocarditis prophylaxis, bispochondron therapy, drug interactions, infectious diseases, allergy, immunosuppression, chemotherapy, radiation oncology, palliative care, endocrine therapy, geriatrics, physical handicaps, psychiatric illness and chronic pain problems.

Principles and practice of diagnostic dental and maxillofacial radiology are reinforced, with direct practical experience with a focus on extra-oral techniques. Discussions on diagnostic/interpretive imaging, including plain film radiography, sialography, angiography, CT and MRI.

Textbooks
Oral and Maxillofacial Pathology, 2Ed, BW Neville, DD Damm. CA Allen. JE Bouquot.
Lucas's Pathology of Tumours of the Oral Tissues, RA Cawson, WH Binnie, PM Speight, AW Barrett, JM Wright
Oral Pathology Clinical Pathologic Correlations, JA Regezi, JI Scibubba, RCK Jordan

DENT6213
Oral Pathology 3A
Credit points: 6
Teacher/Coordinator: Associate Professor Hedley Coleman
Session: Semester 1
Classes: Oral pathology conference (slide review and journal club) x 2 hrs, oral pathology x 1 hr (per week) Prerequisites: (DENT6012 and DENT5209 and DENT5210 and DENT5211) or DENT6129
Corequisites: DENT6013, DENT5212, DENT5214
Assessment:...
oral presentations (20%), 1x1hr practical exam (40%), viva voce (40%) **Mode of delivery**: Normal (lecture/lab/tutorial) day

The oral pathology component continues to build on the foundations previously established with in depth investigation of biological and genetic factors underpinning the different disease entities. The course further extends exposure to the specialised disciplines of cytopathology and immunopathology and their clinical applications. Weekly departmental review of the relevant histopathology cases, particularly biopsies of patients undertaken or seen in the Oral Medicine clinics, or Head and Neck oncology clinics.

**Textbooks**

Oral and Maxillofacial Pathology, 2nd Ed, BW Neville, DD Damm. CA Allen. JE Bouquot, Lucas’s Pathology of Tumours of the Oral Tissues, RA Cawson, WH Binnie, PM Speight, AW Barrett, JM Wright

Oral Pathology Clinical Pathologic Correlations, JA Regezi, JJ Scuibba, RCK Jordan

**DENT5214 Internal and General Medicine 3A**

**Credit points**: 6

**Teacher/Coordinator**: Dr Michael Veness, Dr Gary Morgan, Dr Carsten Palme, Dr John Sullivan, A/Prof Ken Bradstock, Associate Professor Mark Schitter

**Session**: Semester 1 Classes: medical rotations x 4hrs, medical grand rounds x 1 hr **Prerequisites**: DENT6012 and DENT6209 and DENT5210 and DENT5211 or DENT6129 Corequisites: DENT6013, DENT5212, DENT5213 Assessment: written case report (clinicalpathologic case) (50%); continued clinical assessment (50%); viva voce **Mode of delivery**: Clinical experience

Candidates rotate through various medical specialty clinics including: Head and Neck Radiation Oncology, Haematology (with emphasis on the care of patients undergoing haematopoietic stem cell transplants), Dermatology, Immunology and Radiology/Nuclear Medicine.

An emphasis is placed on understanding and application of principles of pharmacology.

Candidates also attend the Medical Grand Rounds at Westmead Hospital.

**DENT6013 Dental Research Studies 4**

**Credit points**: 6

**Teacher/Coordinator**: Professor Greg Murray

**Session**: Semester 1 Classes: Weekly attendance in research seminars (70% attendance required) and 6hr research sessions. **Prerequisites**: DENT6012 or DENT6209 or DENT6229 or DENT6279 or DENT6329 or DENT6397 Assessment: Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. **Mode of delivery**: Normal (lecture/lab/tutorial) day

This unit provides continuation of a research project, including data acquisition and analysis. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision.

At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

**DENT5215 Oral Medicine 3B**

**Credit points**: 6

**Teacher/Coordinator**: Associate Professor Mark Schitter, Associate Professor Hedley Coleman, Associate Professor Hans Zoellner, Dr Anastasia Georgiou, Dr Sue-Ching Yeoh

**Session**: Semester 2 Classes: oral medicine clinic x 10 hrs, biopsy clinic x 3 hours, medically complex clinic x 4hrs, oral medicine conference x 3hrs (per week) **Prerequisites**: DENT6012 and DENT6212 and DENT5213 and DENT5214 or DENT6130 Corequisites: DENT6014, DENT5216, DENT5217 Assessment: continued clinical assessment (20%), written paper (3 hrs) v2 (30%), viva voce (15%), patient examination and presentation (20%), viva voce (15%) **Mode of delivery**: Clinical experience

Principles of effective diagnostic procedure are reinforced through supervised clinical training. Emphasis is placed on history taking and examination; application and interpretation of special investigations; differential diagnosis; treatment planning; clinical records and quality of care evaluation; and the development of effective communication skills in interdisciplinary clinical practice. Principles and practice of pharmacology.

Topics include: processes of inflammation and repair, haematomes, oral infections, neoplasia, orofacial infections, salivary gland diseases, neurological disorders and pain syndromes. Oral conditions of systemic significance include manifestations of: haematological and other malignant diseases, immunosuppression (eg, HIV), autoimmune diseases, psychogenic disorders with orofacial features.

Review of relevant histopathology cases.

Medically complex clinics focus on aspects of internal medicine of concern to the provision of safe and effective dental treatment in patients with severe medical conditions. Topics include: defective haemostasis, blood transfusion requirements, endocarditis prophylaxis, bisphosphonate therapy, drug interactions, infectious diseases, allergy, immunosuppression, chemotherapy, radiation oncology, palliative care, endocrine therapy, geriatrics, physical handicaps, psychiatric illness and chronic pain problems.

Principles and practice of diagnostic dental and maxillofacial radiology are reinforced, with direct practical experience with a focus on extra-oral techniques. Discussions on diagnostic/interpretive imaging, including plain film radiography, sialography, angiography, CT and MRI.

**Textbooks**

Oral and Maxillofacial Pathology, 2nd Ed, BW Neville, DD Damm. CA Allen. JE Bouquot, Lucas’s Pathology of Tumours of the Oral Tissues, RA Cawson, WH Binnie, PM Speight, AW Barrett, JM Wright

Oral Pathology Clinical Pathologic Correlations, JA Regezi, JJ Scuibba, RCK Jordan

Medical Problems in Dentistry, C Scully, RA Cawson

Dental Management of the Medically Compromised Patient, JW Little, DA Falace, CS Miller, NL Rhodes

**DENT5216 Oral Pathology 3B**

**Credit points**: 6

**Teacher/Coordinator**: Associate Professor Hedley Coleman

**Session**: Semester 2 Classes: oral pathology conference (slide review and journal club) x 2 hrs seminars x 1 hr, diagnostic oral pathology x 1 hr (per week) **Prerequisites**: DENT6013 and DENT5212 and DENT5213 and DENT5214 or DENT6130 Corequisites: DENT6014, DENT5215, DENT5217 Assessment: oral presentations (20%), 1x3hr written exam (40%), 1x1hr practical exam (20%), viva voce (20%) **Mode of delivery**: Normal (lecture/lab/tutorial) day

The oral pathology component continues to build on the foundations previously established with in depth investigation of biological and genetic factors underpinning the different disease entities. The course further extends exposure to the specialised disciplines of cytopathology and immunopathology and their clinical applications. Weekly departmental review of the current histopathology cases, particularly biopsies of patients undertaken or seen in the Oral Medicine clinics, or Head and Neck oncology clinics.

**Textbooks**

Oral and Maxillofacial Pathology, 2nd Ed, BW Neville, DD Damm. CA Allen. JE Bouquot, Lucas’s Pathology of Tumours of the Oral Tissues, RA Cawson, WH Binnie, PM Speight, AW Barrett, JM Wright

Oral Pathology Clinical Pathologic Correlations, JA Regezi, JJ Scuibba, RCK Jordan

**DENT5217 Internal and General Medicine 3B**

**Credit points**: 6

**Teacher/Coordinator**: Dr Michael Veness, Dr Gary Morgan, Dr Carsten Palme, Dr John Sullivan, A/Prof Ken Bradstock, Associate Professor Mark Schitter

**Session**: Semester 2 Classes: medical rotations x3hrs, medical grand rounds x 1 hr **Prerequisites**: DENT6012 and DENT5212 and DENT5213 and DENT5214 or DENT6130 Corequisites: DENT6014, DENT5215, DENT5216 Assessment: continued clinical assessment (50%); viva voce (50%) **Mode of delivery**: Clinical experience

Candidates rotate through various medical specialty clinics including: Head and Neck Radiation Oncology, Haematology (with emphasis on the care of patients undergoing haematopoietic stem cell...
transplants), Dermatology, Immunology and Radiology/Nuclear Medicine.

An emphasis is placed on understanding and application of principles of pharmacology.

Candidates also attend the Medical Grand Rounds at Westmead Hospital.

**DENT6014**

Dental Research Studies 5

**Credit points:** 6  **Teacher/Coordinator:** Professor Greg Murray  **Session:** Semester 2  **Classes:** Weekly attendance in research seminars (70% attendance required) and 6hr research sessions.  **Prerequisites:** DENT6013 or DENT6130 or DENT6230 or DENT6280 or DENT6330 or DENT6411  **Assessment:**

Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree.  **Mode of delivery:** Normal (lecture/lab/tutorial) day

This unit provides continuation of a research project, including data analysis, treatise write-up and submission. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.
Clinical Dentistry (Oral Surgery)

Doctor of Clinical Dentistry (Oral Surgery) not on offer in 2015

Graduate Diploma in Clinical Dentistry (Surgical Dentistry)
Graduate Certificate in Clinical Dentistry (Surgical Dentistry) (exit qualification only)

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Overview
The Oral Surgery/Surgical Dentistry program provides the opportunity for dentists registered in Australia to develop skills and acquire knowledge essential for specialisation in oral surgery through a comprehensive curriculum of theoretical and clinical studies.

The course has a foundation of evidence-based practice. It will enable the provision of the full range of oral surgery services including appropriate oral surgical management of medically compromised patients, and will include oral medicine and oral pathology components as well as implants.

You will also complete a research project in the field of oral surgery under the supervision of an academic staff member.

Course outcomes
Graduate will be able to:

- use appropriate surgical skills for manipulation of tissue (hard and soft) during surgery
- apply the basic knowledge and principles of biological science and clinical methods to problems of professional practice (research and/or clinical)
- demonstrate specific skills in the use of relevant procedures, technologies and techniques in relation to research investigation, clinical assessment, diagnosis and management of oral diseases
- demonstrate the skills and attitudes to exhibit initiative and self-reliance in critically evaluating and synthesising ideas and information related to the units
- make evidence-based decisions and recommendations in research and/or clinical practice
- provide oral surgical services relevant to the broad community.

Pattern of enrolment
Enrolment is full-time. In order to fulfil the requirements to successfully perform advanced surgery in general practice, all Units of Study must be taken in the following sequence. All units of study are compulsory unless otherwise noted.

Academic Year 1

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<td>DENT6210</td>
<td>Generic Clinical Skills and Knowledge</td>
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<td>DENT6211</td>
<td>Perioperative Care 1</td>
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<td>DENT6000</td>
<td>Research Methods in Dentistry</td>
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<td>DENT6212</td>
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<td>DENT6213</td>
<td>Dento-alveolar Surgery 1</td>
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<td>DENT6010</td>
<td>Dental Research Studies 1</td>
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Table of units of study: Oral Surgery

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<th>C: Corequisites</th>
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Unit of study descriptions

**DENT5201 Oral Medicine and Oral Pathology 1**

Credit points: 6  
Teacher/Coordinator: Associate Professor Mark Schifter, Associate Professor Hedley Coleman, Associate Professor Hans Zoellner, Dr Anastasia Georgiou, Dr Sue-Ching Yeh  
Session: Semester 1  
Classes: oral medicine clinic x 10 hrs, biopsy clinic x 3 hrs, medically complex clinic x 4 hrs, oral medicine/oral pathology conference x 4 hrs (per week)  
Corequisites: DENT6000 and [(DENT6210 and DENT6211) or (DENT5200 and DENT5202)]  
Assessment: continuously clinical assessment (50%), viva voce (50%)  
Mode of delivery: Clinical experience  

Principles of effective diagnostic procedure are reinforced through supervised clinical training. Emphasis is placed on history taking and examination; application and interpretation of special investigations; differential diagnosis; treatment planning; clinical records and quality of care evaluation; and the development of effective communication skills in interdisciplinary clinical practice. Principles and practice of pharmacology.  
Topics include: processes of inflammation and repair, hamartomas, oral dermatoses, neoplasia, orofacial infections, salivary gland diseases, neurological disorders and pain syndromes. Oral conditions of systemic significance include manifestations of: haematological and other malignancies and their treatment, immunosuppression (e.g. HIV), autoimmune diseases, psychogenic disorders with orofacial features.  
Review of relevant histopathology cases.  
Medically complex clinics focus on aspects of internal medicine of concern to the provision of safe and effective dental treatment in patients with severe medical conditions. Topics include: defective haemostasis, blood transfusion requirements, endocarditis prophylaxis, bisphosphonate therapy, drug interactions, infectious diseases, allergy, immunosuppression, chemotherapy, radiation oncology, palliative care, endocrine therapy, geriatrics, physical handicaps, psychiatric illness and chronic pain problems.  
Principles and practice of diagnostic dental and maxillofacial radiology are reinforced, with direct practical experience with a focus on extra-oral techniques. Discussions on diagnostic/interpretive imaging, including plain film radiography, sialography, angiography, CT and MRI.  
Textbooks  
Oral and Maxillofacial Pathology, 2nd Ed BW Neville, DD Dam, CA Allen. JE Bouquot.  
Lucas's Pathology of Tumours of the Oral Tissues, RA Cawson, WH Binnie, PM Speight, AW Barrett, JM Wright  
Oral Pathology Clinical Pathologic Correlations, JA Regezi, JJ Sciubba, RCK Jordan  
Medical Problems in Dentistry, C Scully, RA Cawson  
Dental Management of the Medically Compromised Patient, JW Little, DA Falace, CS Miller, NL Rhodus.  

**DENT5204 Oral Pathology 1**

Credit points: 6  
Teacher/Coordinator: Associate Professor Hedley Coleman  
Session: Semester 2  
Classes: oral pathology conference (slide review and journal club) x 2 hrs, seminars x 1 hr, diagnostic histology/pathology x 1 hr (per week)  
Corequisites: DENT6000 and [(DENT6210 and DENT6211) or (DENT5200 and DENT5202), Corequisites: DENT5201 and DENT6210 and DENT6211 or (DENT5200 and DENT5201 and DENT5202)]  
Assessment: 1x2hr written exam (50%), viva voce (50%)  
Mode of delivery: Normal (lecture/lab/tutorial) day  
The course covers a review of relevant aspects of oral biology including bone, mucosa, salivary glands and tooth development. Oral pathology is introduced by investigating the clinicopathological features of soft and hard tissue pathoses including inflammatory and repair processes, hamartomas, mucosal and salivary gland diseases, fibro-osseous lesions, benign and malignant non-odontogenic and odontogenic neoplasms, cysts of the jaws and soft tissues of the head and neck.  
Weekly departmental review of the current histopathology cases, particularly biopsies of patients undertaken or seen in the Oral Medicine clinics, or Head and Neck oncology clinics.  
Textbooks  
Oral Anatomy, Embryology and Histology, 3rd ed, Berkowitz BK, Holland GR and Monbourn BJ.  
Oral and Maxillofacial Pathology, 2nd ed, BW Neville, DD Dam, CA Allen. JE Bouquot.  
Oral Pathology Clinical Pathologic Correlations, JA Regezi, JJ Sciubba, RCK Jordan  

**DENT6000 Research Methods in Dentistry**

Credit points: 6  
Teacher/Coordinator: Dr Manish Arora  
Session: Semester 1  
Classes: 1x2hr tutorial/week x 10 weeks  
Assessment: examination (50%) and weekly assignment (50%)  
Mode of delivery: Normal (lecture/lab/tutorial) day  
Note: Department permission required for enrolment.  
Research Methods in Dentistry is a postgraduate course designed to provide fundamental skills in clinical research design and critical appraisal of scientific literature for students intending to undertake research at the Faculty of Dentistry. The ability to critically evaluate journal articles is seen as an indispensable tool in the pursuit of clinical practice founded on Evidence-Based Dentistry.  
All course material is provided on compact discs and through eLearning (formerly WebCT) via the University of Sydney's website. A detailed series of notes, tutorial exercises and recorded mini-lectures are included in the study material. Students are required to complete one tutorial exercise/assignment each week. Weekly tutorial sessions are held at Westmead Hospital and Sydney Dental Hospital.  
Topics covered include epidemiologic study design, measures of disease frequency and association, as well as confounding, bias and measurement error. Considerable attention is paid to critical appraisal of journal articles. An introduction into diagnostic test studies, systematic reviews and basic biostatistics is also provided.  
Textbooks  
Class notes and full-text journal articles are provided via the course website.  

**DENT6010 Dental Research Studies 1**

Credit points: 6  
Teacher/Coordinator: Professor Greg Murray  
Session: Semester 2  
Classes: Weekly attendance in research seminars (70% attendance required) and 2hr research sessions  
Prerequisites: DENT6000 or DENT6126
Assessment: Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. **Mode of delivery:** Normal (lecture/lab/tutorial) day

This unit provides the introduction to a research project, including the development of a research proposal and literature review. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.
(Clinical Dentistry) Orthodontics

Doctor of Clinical Dentistry (Orthodontics)
Graduate Diploma in Clinical Dentistry (Tooth Mechanics)
Graduate Certificate in Clinical Dentistry (Tooth Mechanics)

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<td>Time to complete full-time</td>
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Overview
The course provides the opportunity to develop skills and acquire knowledge essential for specialisation in orthodontics through a comprehensive curriculum of theoretical and clinical studies. The content of the course provides all treatment approaches in dento-facial orthopaedics and orthodontics including growth modification / orthopaedic treatment modalities, adult treatment and orthognathic surgery treatment, management of obstructive sleep apnoea in children and in adults, the use of temporary anchorage devices and the use of different fixed and removable appliance techniques including twin, self-ligating and lingual brackets and sequential thermoplastic aligners. All treatment approaches taught are based on refereed scientific literature.

Course outcomes
This course prepares candidates for work in a specialist practice in orthodontics or a specialist clinic in a hospital or in a University environment to pursue an academic career.

Further information
For further information about this program see the Faculty of Dentistry website at: sydney.edu.au/dentistry/student/postgrad.php

Pattern of enrolment
Enrolment is full-time. In order to fulfil the requirements for registration as a specialist in this field, all Units of Study must be taken in the following sequence. All units of study are compulsory unless otherwise noted.

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Semester 1

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Academic Year 2

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<td>DENT6012 Dental Research Studies 3</td>
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Academic Year 3

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### Table of units of study: Orthodontics

<table>
<thead>
<tr>
<th>Unit of study</th>
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<th>A: Assumed knowledge</th>
<th>P: Prerequisites</th>
<th>C: Corequisites</th>
<th>N: Prohibition</th>
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Graduate Certificate exit students are required to successfully complete the first 4 units of study. Graduate Diploma exit students are required to successfully complete the first 8 units of study.

| **Year 2**                           |               |                      |                  |                |                |               |
| DENT5166 Orthodontics Clinical Training 5 | 6             | P (DENT5163 and DENT5164) or DENT6227 |                  |                |                | Semester 1    |
| DENT5167 Orthodontics Clinical Training 6 | 6             | P (DENT5163 and DENT5164) or DENT6227 |                  |                |                | Semester 1    |
| DENT5168 Intermediate Orthodontic Theory | 6             | P DENT5165 or DENT6227 |                  |                |                | Semester 1    |
| DENT6011 Dental Research Studies 2    | 6             | P DENT6010 or DENT6127 or DENT6227 or DENT6277 or DENT6327 or DENT6386 | Semester 1    |
| DENT5169 Orthodontics Clinical Training 7 | 6             | P (DENT5166 and DENT5167) or DENT6228 |                  |                |                | Semester 2    |
| DENT5170 Orthodontics Clinical Training 8 | 6             | P (DENT5166 and DENT5167) or DENT6228 |                  |                |                | Semester 2    |
| DENT5171 Advanced Orthodontic Theory  | 6             | P DENT5168 or DENT6228 |                  |                |                | Semester 2    |
| DENT6012 Dental Research Studies 3    | 6             | P DENT6011 or DENT6128 or DENT6228 or DENT6278 or DENT6328 or DENT6393 | Semester 2    |

| **Year 3**                           |               |                      |                  |                |                |               |
| DENT5172 Orthodontics Clinical Training 9 | 6             | P (DENT5169 and DENT5170) or DENT6229 |                  |                |                | Semester 1    |
| DENT5173 Orthodontics Clinical Training 10 | 6             | P (DENT5169 and DENT5170) or DENT6229 |                  |                |                | Semester 1    |
| DENT5174 Comprehensive Orthodontic Theory 1 | 6             | P DENT5171 or DENT6229 |                  |                |                | Semester 1    |
| DENT6013 Dental Research Studies 4    | 6             | P DENT6012 or DENT6129 or DENT6229 or DENT6279 or DENT6329 or DENT6397 | Semester 1    |
| DENT5175 Orthodontics Clinical Training 11 | 6             | P (DENT5172 and DENT5173) or DENT6230 |                  |                |                | Semester 2    |
| DENT5176 Orthodontics Clinical Training 12 | 6             | P (DENT5172 and DENT5173) or DENT6230 |                  |                |                | Semester 2    |
| DENT5177 Comprehensive Orthodontic Theory 2 | 6             | P DENT5174 or DENT6230 |                  |                |                | Semester 2    |
### Unit of study descriptions

**DENT5160 Orthodontics Clinical Training 1**

**Credit points:** 6  
**Teacher/Coordinator:** Prof M. Ali Darendeliler  
**Session:** Semester 1  
**Classes:** 4x7hr clinic training and 1x6hr workshop/wk.  
**Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%)  
**Mode of delivery:** Clinical experience

This unit familiarises students with the important aspects of orthodontic clinical sequences and basic clinical skills. It runs for two months and covers both basic theoretical and clinical orthodontic skills that are essential prior to undertaking patient treatment. This unit has a preclinical focus: Typodont simulation to manage and observe orthodontic tooth movement and wire bending sessions to learn and practice hand bending of wires.

**Textbooks**  
Notes will be distributed in class.

**DENT5161 Orthodontics Clinical Training 2**

**Credit points:** 6  
**Teacher/Coordinator:** Prof M. Ali Darendeliler  
**Session:** Semester 1  
**Classes:** 4x7hr clinic training and 1x6hr workshop/wk.  
**Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%)  
**Mode of delivery:** Clinical experience

This unit is designed to further familiarise students with the important aspects of orthodontic treatment sequencing by typodont simulations and to also learn clinical set-up and basic clinical skills. Further typodont training is carried out where students manage and observe orthodontic tooth movement prior to patient management. Wire bending sessions allow the students to hand bend a variety of structures from the wire. Basic clinical set-up sessions aim to teach students to undertake very basic procedures clinically, including bracket bonding, removable appliances placement and bonded appliance cementation.

**Textbooks**  
Notes will be distributed in class.

**DENT5162 Introduction to Orthodontic Theory**

**Credit points:** 6  
**Teacher/Coordinator:** Prof M. Ali Darendeliler  
**Session:** Semester 1  
**Classes:** 5x1.5hr morning tutorial/lecture and 5x2hr evening tutorial/lecture/wk  
**Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%)  
**Mode of delivery:** Normal (lecture/lab/tutorial) day

This unit is a series of lectures and daily tutorials on fundamental orthodontic theory. The topics in this unit include the concept of growth and development, craniofacial anatomy and cephalometric analysis. Students are required to read and critically review the designated reading and present their views in the tutorials.

**Textbooks**  
Notes will be distributed in class.

**DENT6000 Research Methods in Dentistry**

**Credit points:** 6  
**Teacher/Coordinator:** Dr Manish Arora  
**Session:** Semester 1  
**Classes:** 1x2hr tutorial/week x 10weeks  
**Assessment:** examination (50%) and weekly assignment (50%)  
**Mode of delivery:** Normal (lecture/lab/tutorial) day  
**Note:** Department permission required for enrolment.

Research Methods in Dentistry is a postgraduate course designed to provide fundamental skills in clinical research design and critical appraisal of scientific literature for students intending to undertake research at the Faculty of Dentistry. The ability to critically evaluate journal articles is seen as an indispensable tool in the pursuit of clinical practice founded on Evidence-Based Dentistry.

All course material is provided on compact discs and through eLearning (formerly WebCT) via the University of Sydney’s website. A detailed series of notes, tutorial exercises and recorded mini-lectures are included in the study material. Students are required to complete one tutorial exercise/assignment each week. Weekly tutorial sessions are held at Westmead Hospital and Sydney Dental Hospital.

Topics covered include epidemiologic study design, measures of disease frequency and association, as well as confounding, bias and measurement error. Considerable attention is paid to critical appraisal of journal articles. An introduction into diagnostic test studies, systematic reviews and basic biostatistics is also provided.

**Textbooks**  
Class notes and full-text journal articles are provided via the course website.

**DENT5163 Orthodontics Clinical Training 3**

**Credit points:** 6  
**Teacher/Coordinator:** Prof M. Ali Darendeliler  
**Session:** Semester 2  
**Classes:** 4x7hr clinic training and 1x6hr workshop/wk.  
**Prerequisites:** (DENT5160 and DENT5161) or DENT6226  
**Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%)  
**Mode of delivery:** Clinical experience

This unit is designed to familiarise students with the important aspects of orthodontic clinical set-up and basic clinical skills. Students will be trained to undertake basic clinical procedures, including orthodontic bracket bonding, removable appliance placement and bonded appliances cementation.

**Textbooks**  
Notes will be distributed in class.

**DENT5164 Orthodontics Clinical Training 4**

**Credit points:** 6  
**Teacher/Coordinator:** Prof M. Ali Darendeliler  
**Session:** Semester 2  
**Classes:** 4x7hr clinic training and 1x6hr workshop/wk.  
**Prerequisites:** (DENT5160 and DENT5161) or DENT6226  
**Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%)  
**Mode of delivery:** Clinical experience

This unit is designed to further familiarise students with the important aspects of orthodontic clinical set-up and basic clinical skills. Students will be trained to undertake basic clinical procedures, including orthodontic bracket bonding, removable appliance placement and bonded appliances cementation. At this stage, the students also obtain basic skills in proceeding with correct treatment sequences.

**Textbooks**  
Notes will be distributed in class.

**DENT5165 Basic Orthodontic Theory**

**Credit points:** 6  
**Teacher/Coordinator:** Prof M. Ali Darendeliler  
**Session:** Semester 2  
**Classes:** 5x1.5hr morning tutorial/lecture and 5x2hr evening tutorial/lecture/wk  
**Prerequisites:** DENT5162 or DENT6226  
**Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%)  
**Mode of delivery:** Normal (lecture/lab/tutorial) day

This unit is a series of lectures and daily tutorials on fundamental orthodontic theory. The topics in this unit include biomechanics of tooth movement and biomechanical traits of brackets and archwires. Students are required to read and critically review the designated reading and present their views in the tutorials. The students are also required to complete an assignment on a relevant topic and present it during the tutorials.

**Textbooks**  
Notes will be distributed in class.
DENT6010
Dental Research Studies 1
Credit points: 6
Teacher/Coordinator: Professor Greg Murray
Session: Semester 2
Classes: Weekly attendance in research seminars (70% attendance required) and 2hr research sessions. Prerequisites: DENT6000 or DENT6126 or DENT6226 or DENT6276 or DENT6326 or DENT6382. Assessment: Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit provides the introduction to a research project, including the development of a research proposal and literature review. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

DENT5166
Orthodontics Clinical Training 5
Credit points: 8
Teacher/Coordinator: Prof M. Ali Darendeliler
Session: Semester 1
Classes: 5x7hr clinic training/wk. Prerequisites: (DENT5163 and DENT5164) or DENT6227. Assessment: 1x1hr viva (50%) and 1x3hr written exam (50%) Mode of delivery: Clinical experience

This unit is designed to familiarise students with the important orthodontic techniques including standard Edgewise, basic straight wire techniques (e.g. MBT). Each clinical technique is taught first by typodont simulation and then applied to patients. This unit also gives the students opportunities to use a variety of bracket types, and practice choosing proper archwires from a wide range of preformed wires. Advanced skills training also covers the knowledge and use of advanced digital imaging systems, such as Dolphin, 3mD, LaserDenta and their applications in assisting case diagnosis, treatment planning and treatment assessment.

Textbooks
Notes will be distributed in class.

DENT5167
Orthodontics Clinical Training 6
Credit points: 8
Teacher/Coordinator: Prof M. Ali Darendeliler
Session: Semester 1
Classes: 5x7hr clinic training/wk. Prerequisites: (DENT5163 and DENT5164) or DENT6227. Assessment: 1x1hr viva (50%) and 1x3hr written exam (50%) Mode of delivery: Clinical experience

This unit is designed to familiarise students with the important orthodontic techniques including various straight wire modalities, functional appliances, miniscrew implants. Each clinical technique is taught first by typodont simulation and then applied to patients. This unit also gives the students opportunities to use a variety of bracket types, especially the self-ligating brackets, and build up their ability to choose proper archwires from a wide range of preformed wires. Advanced skills training also covers the knowledge and use of advanced digital imaging systems in assisting case diagnosis, treatment planning and treatment assessment.

Textbooks
Notes will be distributed in class.

DENT5168
Intermediate Orthodontic Theory
Credit points: 6
Teacher/Coordinator: Prof M. Ali Darendeliler
Session: Semester 1
Classes: 5x1.5hr morning tutorial/lecture and 5x2hr evening tutorial/lecture/wk Prerequisites: DENT5165 or DENT6227. Assessment: 1x1hr viva (50%) and 1x3hr written exam (50%) Mode of delivery: Normal (lecture/lab/tutorial) day

This unit is a series of lectures and daily tutorials on fundamental orthodontic theory. The topics in this unit include recent developments on the topics of growth and development, craniofacial anatomy, cephalometric analysis, biomechanics of tooth movement, biomechanical traits of brackets and archwires. Students are required to read and critically review the designated reading and present their views in the tutorials. The students are also required to complete an assignment on a relevant topic and present it during the tutorials.

Textbooks
Notes will be distributed in class.

DENT6011
Dental Research Studies 2
Credit points: 6
Teacher/Coordinator: Professor Greg Murray
Session: Semester 1
Classes: Weekly attendance in research seminars (70% attendance required) and 8hr research sessions. Prerequisites: DENT6010 or DENT6127 or DENT6227 or DENT6277 or DENT6327 or DENT6386. Assessment: Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit provides continuation of a research project, including the refinement of research methodology and data acquisition. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

DENT5169
Orthodontics Clinical Training 7
Credit points: 6
Teacher/Coordinator: Prof M. Ali Darendeliler
Session: Semester 2
Classes: 5x7hr clinic training/wk. Prerequisites: (DENT5166 and DENT5167) or DENT6228. Assessment: 1x1hr viva (50%) and 1x3hr written exam (50%) Mode of delivery: Clinical experience

This unit is designed to familiarise students with important advanced orthodontic techniques including invisible techniques (e.g. Invisalign and lingual). Each clinical technique is taught first by typodont simulation and then applied to patients. Advanced skills training also covers the further knowledge and use of advanced digital imaging systems in assisting case diagnosis, treatment planning and treatment assessment.

Textbooks
Notes will be distributed in class.

DENT5170
Orthodontics Clinical Training 8
Credit points: 6
Teacher/Coordinator: Prof M. Ali Darendeliler
Session: Semester 2
Classes: 5x7hr clinic training/wk. Prerequisites: (DENT5166 and DENT5167) or DENT6228. Assessment: 1x1hr viva (50%) and 1x3hr written exam (50%) Mode of delivery: Clinical experience

This unit is designed to teach students how to combine and integrate various orthodontic techniques and apply them to resolving individual problems. The hybrid mechanism, which combines various bracket systems to achieve maximum effects, is also an important treatment philosophy that the students are required to learn and use in clinic.

Textbooks
Notes will be distributed in class.

DENT5171
Advanced Orthodontic Theory
Credit points: 6
Teacher/Coordinator: Prof M. Ali Darendeliler
Session: Semester 2
Classes: 5x1.5hr morning tutorial/lecture and 5x2hr evening tutorial/lecture/wk Prerequisites: DENT5168 or DENT6228. Assessment: 1x1hr viva (50%) and 1x3hr written exam (50%) Mode of delivery: Normal (lecture/lab/tutorial) day

This unit is a series of lectures and daily tutorials on advanced orthodontic theory. The topics in this unit include clinical trials and basic studies, narrative and systematic reviews on certain topics about clinical treatment modalities and their effects. This unit exposes students to contemporary developments of orthodontic treatment approaches and the supporting research to understand the important philosophy of evidence-based orthodontics.

Textbooks
Notes will be distributed in class.
DENT6012
Dental Research Studies 3
Credit points: 6
Teacher/Coordinator: Professor Greg Murray
Session: Semester 1
Classes: Weekly attendance in research seminars (70% attendance required) and 6hr research sessions. Prerequisites: DENT6101 or DENT6128 or DENT6228 or DENT6328 or DENT6393. Assessment: Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. Mode of delivery: Normal (lecture/lab/tutorial) day.
This unit provides continuation of a research project, including the refinement of research methodology and data acquisition. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

DENT5172
Orthodontics Clinical Training 9
Credit points: 6
Teacher/Coordinator: Prof M. Ali Darendeliler
Session: Semester 1
Classes: 5x7hr clinic training/wk. Prerequisites: (DENT5169 and DENT5170) or DENT6229. Assessment: 1x1hr viva (50%) and 1x3hr written exam (50%). Mode of delivery: Clinical experience.
This unit is designed to teach students how to combine and integrate various orthodontic techniques and apply them to resolving complicated orthodontic problems. The students are taught to treat malocclusions using various techniques including combined mechanisms consisting of different techniques that are suitable for the specific case. The hybrid mechanism, which combines various bracket systems to achieve maximum effects, is also an important treatment philosophy that the students are required to further learn and use in clinic.
Textbooks
Notes will be distributed in class.

DENT5173
Orthodontics Clinical Training 10
Credit points: 6
Teacher/Coordinator: Prof M. Ali Darendeliler
Session: Semester 1
Classes: 5x7hr clinic training/wk. Prerequisites: (DENT5169 and DENT5170) or DENT6229. Assessment: 1x1hr viva (50%) and 1x3hr written exam (50%). Mode of delivery: Clinical experience.
This unit is designed to teach students how to coordinate and integrate with other dental or surgical specialties for an interdisciplinary approach for the orthodontic patient. Interdisciplinary management with orthognathic surgery is an essential approach that is studied. The students are required to undertake pre and post-operative orthodontic treatment analysis and discuss orthognathic approaches with the surgeon.
Textbooks
Notes will be distributed in class.

DENT5174
Comprehensive Orthodontic Theory 1
Credit points: 6
Teacher/Coordinator: Prof M. Ali Darendeliler
Session: Semester 1
Classes: 5x1.5hr morning tutorial/lecture and 5x2hr evening tutorial/lecture wk. Prerequisites: DENT5171 or DENT6229. Assessment: 1x1hr viva (50%) and 1x3hrs written exam (50%). Mode of delivery: Normal (lecture/lab/tutorial) day.
This unit is a series of lectures and daily tutorials on comprehensive orthodontic theories. These include published studies on combined use of various techniques, and clinical trials that apply newly developed techniques. This unit also emphasises the recent developments of comprehensive orthodontic treatment approaches and the underlying research. This unit further exposes students to contemporary developments of orthodontic treatment approaches and the supporting research, to understand the important philosophy of evidence-based orthodontics.
Textbooks
Notes will be distributed in class.

DENT6013
Dental Research Studies 4
Credit points: 6
Teacher/Coordinator: Professor Greg Murray
Session: Semester 1
Classes: Weekly attendance in research seminars (70% attendance required) and 6hr research sessions. Prerequisites: DENT6102 or DENT6129 or DENT6229 or DENT6279 or DENT6329 or DENT6397. Assessment: Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. Mode of delivery: Normal (lecture/lab/tutorial) day.
This unit provides continuation of a research project, including data acquisition and analysis. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

DENT5175
Orthodontics Clinical Training 11
Credit points: 6
Teacher/Coordinator: Prof M. Ali Darendeliler
Session: Semester 1
Classes: 5x7hr clinic training/wk. Prerequisites: (DENT5172 and DENT5173) or DENT6230. Assessment: 1x1hr viva (50%) and 1x3hr written exam (50%). Mode of delivery: Clinical experience.
This unit is designed to further teach students how to coordinate and integrate with other dental or surgical specialties for an interdisciplinary approach for the orthodontic patient. Students learn about independently processing the entire course of treatment, including diagnosis and treatment planning and the implementation of specific treatment based on its underlying mechanisms.
Textbooks
Notes will be distributed in class.

DENT5176
Orthodontics Clinical Training 12
Credit points: 6
Teacher/Coordinator: Prof M. Ali Darendeliler
Session: Semester 2
Classes: 5x7hr clinic training/wk. Prerequisites: (DENT5172 and DENT5173) or DENT6230. Assessment: 1x1hr viva (50%) and 1x3hr written exam (50%). Mode of delivery: Clinical experience.
This unit is designed to teach students how deal with complicated situations in relation to case completion. The students are required to learn all of the procedures of terminating the treatment, including establishing a proper protocol for retention. They are also required to learn the protocols of case treatment summary and case records archiving.
Textbooks
Notes will be distributed in class.

DENT5177
Comprehensive Orthodontic Theory 2
Credit points: 6
Teacher/Coordinator: Prof M. Ali Darendeliler
Session: Semester 2
Classes: 5x1.5hr morning tutorial/lecture and 5x2hr evening tutorial/lecture wk. Prerequisites: DENT5174 or DENT6220. Assessment: 1x1hr viva (50%) and 1x3hr written exam (50%). Mode of delivery: Normal (lecture/lab/tutorial) day.
This unit is a series of lectures and daily tutorials on concepts of interactions between orthodontics and other disciplines. These include the reported success in interdisciplinary management of the orthodontic patient, and the appropriate sequences in managing the interdisciplinary team. This unit exposes students to the contemporary developments of orthodontic interdisciplinary approaches and the supporting research, to understand the important philosophy of evidence-based orthodontics.
Textbooks
Notes will be distributed in class.
DENT6014
Dental Research Studies 5
Credit points: 6  Teacher/Coordinator: Professor Greg Murray  Session:
Semester 2 Classes: Weekly attendance in research seminars (70% attendance
required) and 6hr research sessions. Prerequisites: DENT6013 or DENT6130
or DENT6230 or DENT6280 or DENT6330 or DENT6411  Assessment:
Candidates will be required to submit a treatise or written work in the form of a
paper dealing with research on a specific topic. It should be the equivalent of
one paper which would be acceptable for publication in a peer reviewed scientific,
academic or professional journal. In keeping with Academic Board policy there
is an option to submit published work based on research undertaken while
enrolled for this degree. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit provides continuation of a research project, including data
analysis, treatise write-up and submission. The treatise is a formal
piece of writing relevant to the subject area of the masters degree.
Candidates will work on a specified research project under appropriate
supervision. At least one of the project supervisors must be an
academic staff member of the University. The treatise or written work
is in 5 parts all of which will be completed in a minimum of three years
of full time study.
Overview
The course aims to develop the skills necessary for specialisation in paediatric dentistry. The course is aimed at qualified dentists who wish to specialise in paediatric dentistry. The program prepares students for work in a specialist practice in paediatric dentistry or a specialist clinic in a hospital.

Course outcomes
By the end of the course, students should have acquired the knowledge and experience to:

- engage in the professional practice of paediatric dentistry, using relevant and contemporary skills, techniques and technologies
- apply an evidence-based approach to the management of dental and craniofacial diseases and disorders of childhood, including the ability to formulate and implement appropriate treatment plans, taking into account the child’s age, medical and social history and treatment needs
- develop a thorough understanding of normal growth and development, from infancy to adulthood and the ability to recognise and manage abnormal development
- critically evaluate relevant literature and construct and test research hypotheses and engage in clinically relevant research.

Further information
For further information about this program see the Faculty of Dentistry website at: sydney.edu.au/dentistry/student/postgrad.php

Pattern of enrolment
Enrolment is full-time. In order to fulfil the requirements for registration as a specialist in this field, all Units of Study must be taken in the following sequence. All units of study are compulsory unless otherwise noted.

Academic Year 1

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<td>DENT5033 Preventive Dentistry 1</td>
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<td>DENT6000 Research Methods in Dentistry</td>
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<td>DENT5035 Management of Orofacial Trauma 1</td>
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<td>DENT5042 Development of the Occlusion</td>
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### Table of units of study: Paediatric Dentistry

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<th>Unit of study</th>
<th>Credit points</th>
<th>A: Assumed knowledge</th>
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<th>C: Corequisites</th>
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Unit of study descriptions

**DENT5031**
**Behaviour Management**

*Credit points: 6*  
**Teacher/Coordinator:** A/Prof Angus Cameron, A/Prof Richard Widmer, Dr Jane McDonald, Dr Doug Stewart  
**Session:** Semester 1  
**Classes:** clinical prac 24hr/wk, 4x3 hr tut  
**Assessment:** clinical prac (25%), tutorials (25%), 1x3 hr written exam (25%), 1xviva (25%)  
**Mode of delivery:** Clinical experience

The student must understand the sociology and psychology of pain and behavioural responses of patients to dental treatment and their implications for the effective practice of dentistry. The student must understand the different psychological aspects of phobias and the behavioural responses of children to dental treatment. This course covers aspects of child behavioural development and its relevance to patient management. The course will cover non-pharmacological control of pain and anxiety and behaviour shaping, including hypnosis. Pharmacological control of pain and anxiety, including local anaesthesia, relative analgesia and oral and IV sedation. General anaesthesia, including child assessment and hospital protocols and emergencies in dental and hospital practice.

**Textbooks**
Handbook of Pediatric Dentistry, Cameron and Widmer, 3rd Edition

**DENT5032**
**Child Assessment and Treatment Planning**

*Credit points: 6*  
**Teacher/Coordinator:** A/Prof Angus Cameron and Specialist Paediatric Dental Staff  
**Session:** Semester 1  
**Classes:** clinical prac 24hr/wk, 4x3 hr tut  
**Assessment:** clinical prac (25%), tutorials (25%), 1x3 hr written exam (25%), 1xviva (25%)  
**Mode of delivery:** Clinical experience

This course aims to provide the trainee with an understanding of the normal growth and development of a child from birth to school age. They should learn an appreciation of the factors influencing a child's development and how these may impact on their oral health and the provision of care. They should learn to recognise abnormal growth, development and habits in the preschool age groups and be competent to manage them appropriately, including speech and language development. This course includes recognition of early childhood caries, a thorough understanding of involved factors and its management, together with a knowledge of the nutritional requirements of the preschool child and the weaning process. Trainees should learn how to develop an appropriate treatment plan, taking into account the child's age, maturity, medical history, treatment needs and caries risk. The course will also provide instruction in photography. Different types of digital and non-digital cameras for intra-oral photography will be discussed and experience will be gained in extra-oral and intra-oral photography.

**Textbooks**
Handbook of Pediatric Dentistry, Cameron and Widmer, 3rd Edition

**DENT5033**
**Preventive Dentistry 1**

*Credit points: 6*  
**Teacher/Coordinator:** A/Prof Angus Cameron and Specialist Paediatric Dental Staff. Sarah McKay (Dietitian)  
**Session:** Semester 1  
**Classes:** clinical prac 24hr/wk, 4x3 hr tut  
**Assessment:** clinical prac (25%), tutorials (25%), 1x2hr written exam (25%), 1xviva (25%)  
**Mode of delivery:** Clinical experience

The aim of this course is to provide students with an understanding of the factors that place an individual at risk of developing dental disease. They should learn the pathogenesis and theories of caries formation. The development of the oral microflora and microbiology of plaque and the role of intra and extra-cellular polysaccharides. They should learn to assess caries risk factors and how they relate to oral hygiene and diet. Have knowledge on how to prevent and control caries with fluorides, remineralising and antimicrobial agents, sealants and minimal intervention dentistry. Develop an understanding of the pathogenesis, diagnosis and management of periodontal diseases, to identify risk factors and understand the different manifestations and development of periodontal diseases in children and adults. Learn about the role of diet and nutrition in health and disease, with particular emphasis on disease heart disease, diabetes and obesity.

**Textbooks**
Handbook of Pediatric Dentistry, Cameron and Widmer, 3rd Edition

**DENT5034**
**Restorative Paediatric Dentistry Part 1**

*Credit points: 6*  
**Teacher/Coordinator:** A/Prof Angus Cameron and Specialist Paediatric Dental Staff  
**Session:** Semester 2  
**Classes:** clinical prac 24hr/wk, 4x3 hr tut  
**Assessment:** clinical prac (25%), tutorials (25%), 1x3 hr written exam (25%), 1xviva (25%)  
**Mode of delivery:** Clinical experience

This course covers all the clinical aspects of prevention, repair and maintenance of the primary and permanent dentition in children and adolescents. The importance of sound diagnostic criteria leading to the creation of rational treatment plans is emphasised. The candidate should develop a sound understanding of differing treatment philosophies, materials and techniques. The importance of flexibility in treatment techniques to coincide with the advances in dental materials is stressed.

It will aim to ensure that Trainees have an evidenced-based approach to clinical paediatric dentistry and are expert in the delivery of clinical care. This course will be the foundation of clinical practice in this discipline. They should become proficient in the restoration of the primary and young permanent dentition and understand the uses and limitations of restorative and endodontic materials used in paediatric dentistry.

**Textbooks**
Handbook of Pediatric Dentistry, Cameron and Widmer, 3rd Edition

**DENT5035**
**Management of Orofacial Trauma 1**

*Credit points: 6*  
**Teacher/Coordinator:** A/Prof Angus Cameron and Specialist Paediatric Dental Staff  
**Session:** Semester 2  
**Classes:** clinical prac 24hr/wk, 4x3 hr tut  
**Assessment:** clinical prac (25%), tutorials (25%), 1x3 hr written exam (25%), 1xviva (25%)  
**Mode of delivery:** Clinical experience

This course covers all the aspects of dental traumatology, with special emphasis on the primary and young permanent dentitions. Trainees must become proficient in the diagnosis and management, including emergency presentations, of dentofacial injuries. They will learn the classification and epidemiology of dental injuries and the treatment alternatives. They should also develop an understanding of the pathogenesis of sequelae and complications following trauma and their appropriate management.

**Textbooks**
Handbook of Pediatric Dentistry, Cameron and Widmer, 3rd Edition
DENT5036 Community Paediatric Dentistry
Credit points: 6 Teacher/Coordinator: A/Prof Angus Cameron, A/Prof Wendell Evans, Prof Andy Blinkhorn Session: Semester 2 Classes: 4x3hr tut/wk, Assessment: tutorials (50%), 1x3hr written exam (25%), 1xiva (25%) Mode of delivery: Normal (lecture/lab/tutorial) day

This course is concerned with topics relating to the community prevention of dental diseases and the management and utilisation of dental resources. The importance of statistical method in evaluation, interpretation and presentation of data is emphasised. At the completion of this course, the Trainee should have an understanding of the tools used for the assessment of the oral health status and treatment needs for the community, children, adolescents and special groups. They should have a working knowledge of the availability of community dental health services in Australasia and the assessment and financing of dental services in relation to dental needs and resources. They should be able to design surveys, evaluate data and have a knowledge of statistical methods.

Textbooks
Handbook of Pediatric Dentistry, Cameron and Widmer, 3rd Edition

DENT5037 Preventive Dentistry 2
Credit points: 6 Teacher/Coordinator: A/Prof Angus Cameron, Specialist Paediatric Dental Staff, Sarah McKay (Dietitian) Session: Semester 1 Classes: clinical prac 24hr/wk, 4x3 hr tut Prerequisites: DENT5033 or DENT6276 Assessment: clinical prac (25%), tutorials (25%), 1x3 hr written exam (25%), 1xiva (25%) Mode of delivery: Clinical experience

The aim of this course is to provide students with a more advanced understanding of the factors that place an individual at risk of developing dental disease. This course follows on from Preventive Dentistry 1 and aims to further the students understanding of all the factors discussed in the earlier course. In particular the students will review recent literature and discuss current recent on the topics.

Textbooks
Handbook of Pediatric Dentistry, Cameron and Widmer, 3rd Edition

DENT5038 Restorative Paediatric Dentistry Part 2
Credit points: 6 Teacher/Coordinator: A/Prof Angus Cameron, Specialist Paediatric Dental Staff Session: Semester 1 Classes: clinical prac 24hr/wk, 4x3 hr tut Prerequisites: DENT5034 or DENT6276 Assessment: clinical prac (25%), tutorials (25%), 1x3 hr written exam (25%), 1xiva (25%) Mode of delivery: Clinical experience

This course follows on from Restorative Dentistry Part 1 and ensures that trainees have advanced knowledge of paediatric restorative techniques. It will the emphasise the evidence-based practice of paediatric restorative dentistry, the materials used and comparison of restorative and endodontic techniques. The concept of minimal intervention dentistry will be further explored, together with social factors that influence caries risk and restorative success. Trainees will learn advanced restorative techniques required for the management of children with congenital and acquired dental anomalies and restorative options in the care of medically compromised patients.

Textbooks
Handbook of Pediatric Dentistry, Cameron and Widmer, 3rd Edition

DENT5039 Growth and Development
Credit points: 6 Teacher/Coordinator: A/Prof Angus Cameron, A/Prof Richard Widmer, Dr Meredith Wilson, Dr Leslie Ades, Prof David Silence Session: Semester 1 Classes: clinical prac 24hr/wk, 4x3hr tut Assessment: clinical prac (50%), tutorials (50%) Mode of delivery: Clinical experience

The student must understand the basic processes of normal growth and development and how perturbations result in abnormalities. The course will cover embryological development of the head and neck and the effects of prematurity, assessment of developmental milestones in infancy and postnatal growth and development of the head and neck. The mechanisms by which congenital abnormalities arise, concepts of dysmorphology and terminology and nomenclature used in syndromology. Principles of Mendelian genetics in relation to patterns of inheritance, gene expression and penetrance and the tools used in the diagnosis of genetic diseases. The role and processes of genetic counselling and to search for and retrieve information on dysmorphology via the World Wide Web and other syndrome diagnostic tools such as POSSUM.

Textbooks
Handbook of Pediatric Dentistry, Cameron and Widmer, 3rd Edition

DENT5040 Dental Anomalies and Genetics 1
Credit points: 6 Teacher/Coordinator: A/Prof Angus Cameron, Specialist Paediatric Dental Staff Session: Semester 2 Classes: clinical prac 24hr/wk, 4x3 hr tut Assessment: clinical prac (25%), tutorials (25%), 1x3 hr written exam (25%), 1xiva (25%) Mode of delivery: Clinical experience

This course deals with the abnormalities of dental growth and development; it will provide trainees with knowledge and skills in the diagnosis and management of children with acquired and congenital malformations affecting the mouth, head and neck. The course follows on from the unit on growth and development. They must develop a comprehensive knowledge of the pathogenesis, classification and both clinical and ultrastructural manifestations of dental anomalies. They will learn all the disorders of tooth number, size and shape and anomalies of enamel and dentine and disorders of eruption and root development.

Textbooks
Handbook of Pediatric Dentistry, Cameron and Widmer, 3rd Edition

DENT5041 Paediatric Oral Pathology and Medicine 1
Credit points: 6 Teacher/Coordinator: A/Prof Angus Cameron, Specialist Paediatric Dental Staff, Associate Professor Mark Schiffter Session: Semester 2 Classes: clinical prac 24hr/wk, 4x3 hr tut Assessment: clinical prac (25%), tutorials (25%), 1x3hr written exam (25%), 1xiva (25%) Mode of delivery: Clinical experience

This course covers all aspects of the diagnosis, clinico-pathology and management of paediatric oral pathology and medicine, it aims to give Trainees knowledge and skills in the management of children presenting with oral pathological lesions.

Trainees must be proficient in the management of children with a wide variety of disorders, including orofacial infections, vesiculobullous lesions, ulceration, autoimmune disorders, salivary disorders, paediatric malignancies and gingival disorders. They must also have detailed knowledge of the pathogenesis, clinical and ultra structural presentation, tests used in diagnosis and treatment, prognosis and management of these conditions. They must also be aware of the implications for dental treatment in children with these conditions. Trainees must also understand concepts of surgical management of children for orofacial pathology and be competent in the prescription of medications for inpatients and outpatients, basic surgical techniques required in an outpatient setting and the management of surgical complications arising from routine clinical care.

Textbooks
Handbook of Pediatric Dentistry, Cameron and Widmer, 3rd Edition

DENT5042 Development of the Occlusion
Credit points: 6 Teacher/Coordinator: A/Prof Angus Cameron, Specialist Paediatric Dental Staff, Dr Julia Dando, Prof M. Ali Darendeller Session: Semester 2 Classes: clinical prac 24hr/wk, 4x3 hr tut Assessment: clinical prac (25%), tutorials (25%), 1x3 hr written exam (25%), 1xiva (25%) Mode of delivery: Clinical experience

This course introduces Trainees to basic craniofacial development and interceptive orthodontic techniques. The growth and development component includes an introduction to the study of cephalometrics. The treatment component for the major part is directed towards the mixed dentition. Various techniques will be discussed which include removable appliance therapy, functional appliances and the fixed straight wire techniques. Other topics will include habits and serial extraction and their implications on developing dentition. Emphasis is laid on the importance of accurate diagnosis and treatment planning.
in management of the developing dentitions. An interdisciplinary approach is made to the treatment of craniofacial anomalies. Trainee should become proficient in the diagnosis of malocclusions in children and predictive growth analyses. They should learn to use removable appliances in interceptive management and fixed appliances for space maintenance, expansion and single arch regimes.

Textbooks
Handbook of Pediatric Dentistry, Cameron and Widmer, 3rd Edition

DENT5043
Management of Orofacial Trauma Part 2
Credit points: 6
Teacher/Coordinator: A/Prof Angus Cameron, Specialist Paediatric Dental and OMFS Staff.
Prerequisites: DENT5035 or DENT6277
Assessment: clinical prac (25%), tutorials (25%), 1x3 hr written exam (25%), 1xviva (25%)
Mode of delivery: Clinical experience

This course follows on from Orofacial Trauma Part 1 and aims to expand the trainee’s understanding of dental trauma and its sequelae. It will look in depth at the evidence base for different management strategies, including endodontic, surgical, orthodontic and prosthetic management alternatives. They will learn about the diagnosis and management of facial fractures and soft tissue trauma. It will cover the presentation and reporting of non-accidental injuries, including child protection legislation and reporting mechanisms.

Textbooks
Handbook of Pediatric Dentistry, Cameron and Widmer, 3rd Edition

DENT5044
Paediatric Medicine and Surgery
Credit points: 6
Teacher/Coordinator: A/Prof Angus Cameron, Specialist Paediatric Dental Staff, Children’s Hospital Specialists
Session: Semester 1
Classes: clinical prac 24hr/wk, 4x3 hr tut
Assessment: clinical prac (25%), tutorials (25%), 1x3 hr written exam (25%), 1xviva (25%)
Mode of delivery: Clinical experience

This course aims to give Trainees a broad understanding and knowledge of all aspects of paediatric disease and care and to understand the operation of hospitals and protocols. It covers the management of children in hospital, including surgical problems encountered in the child patient. It also covers all aspects of general paediatrics. This course encompasses attendance at Paediatric Grand Rounds at the Children’s Hospital Westmead and the Diploma of Child Health. Trainees should gain a general knowledge of common paediatrics and develop a much better understanding of many aspects involved in the care of children. Trainees must learn to be proficient at and have a thorough knowledge of hospital protocols in relation to admitted and non-admitted patients, referral procedures and operation of theatres and outpatient clinics.

Textbooks
Handbook of Pediatric Dentistry, Cameron and Widmer, 3rd Edition

DENT5045
Management of Children’s Special Needs
Credit points: 6
Teacher/Coordinator: A/Prof Angus Cameron, Specialist Paediatric Dental Staff, Associate Professor Mark Schifter, Children’s Hospital Specialists
Session: Semester 1
Classes: clinical prac 24hr/wk, 4x3 hr tut
Assessment: clinical prac (25%), tutorials (25%), 1x3 hr written exam (25%), 1xviva (25%)
Mode of delivery: Clinical experience

This important aspect of Paediatric Dentistry is covered in detail, with special reference to the inter-disciplinary nature of diagnosis and treatment of medically compromised and special needs children. Trainees must become proficient in the management of children with many conditions, including congenital cardiac disease, haematological disorders, immunodeficiencies, malignancies, endocrinopathies, respiratory diseases and neurological disease. They must also develop the knowledge and skills to provide high quality care to children with intellectual and physical disabilities.

Textbooks
Handbook of Pediatric Dentistry, Cameron and Widmer, 3rd Edition

DENT5046
Dental Anomalies and Genetics 2
Credit points: 6
Teacher/Coordinator: A/Prof Angus Cameron, Specialist Paediatric Dental and ORS Staff, Dr Meredith Wilson
Session: Semester 2
Classes: clinical prac 24hr/wk, 4x3 hr tut
Prerequisites: DENT5039 and DENT5040 or (DENT6278 and DENT6279)
Assessment: clinical prac (25%), tutorials (25%), 1x3 hr written exam (25%), 1xviva (25%)
Mode of delivery: Clinical experience

This course follows on from the unit dental anomalies and genetics 1. The aim of this course is to develop a deeper knowledge of medical syndromes, genetic disorders and craniofacial anomalies and their impact on general and craniofacial growth and development. Trainees will learn more about the interdisciplinary management of major craniofacial syndromes and clefts of the head and neck, including the appropriate timing of treatment and use of implant prostheses.

Textbooks
Handbook of Pediatric Dentistry, Cameron and Widmer, 3rd Edition

DENT5047
Paediatric Oral Pathology and Medicine 2
Credit points: 6
Teacher/Coordinator: A/Prof Angus Cameron, Specialist Paediatric Dental Staff, Associate Professor Mark Schifter, Children’s Hospital Specialists
Session: Semester 2
Classes: clinical prac 24hr/wk, 4x3 hr tut
Prerequisites: DENT5041 or DENT6279
Assessment: clinical prac (25%), tutorials (25%), 1x3 hr written exam (25%), 1xviva (25%)
Mode of delivery: Clinical experience

This course follows on from Paediatric Oral Pathology and Medicine 1. It aims to provide trainees with a deeper understanding of the relevant conditions and their management. In particular it will aim to provide greater knowledge of the associations of these conditions with general health and development and the long term dental and medical implications of these conditions.

Textbooks
Handbook of Pediatric Dentistry, Cameron and Widmer, 3rd Edition

DENT5048
Specialist Paediatric Practice
Credit points: 6
Teacher/Coordinator: A/Prof Angus Cameron, Specialist Paediatric Dental Staff and Visiting Paediatric Specialists, A/Prof Chris Griffiths, Guild Insurance Ltd
Session: Semester 2
Classes: clinical prac 24hr/wk, 4x3 hr tut
Assessment: clinical prac (25%), tutorials (25%), 1x3 hr written exam (25%), 1xviva (25%)
Mode of delivery: Clinical experience

This course aims to ensure that Trainees have the skills necessary to enter specialist practice in either the private or public sector. Trainees must develop an intimate understanding of the medico-legal aspects of paediatric dentistry, ethics and the maintenance of professional relationships with colleagues, the role of the specialist in the community and the availability of community services for children and families. Trainees must be proficient to write a referral to another health professional, a letter of reply to a referring clinician, write a medico-legal report and give an oral presentation to an audience. They should have knowledge of the specialist as an expert witness, paediatric forensic dentistry, design of a dental surgery and equipment needs, statutory regulations in relation to practice, financial aspects of Hospital or private practice, employment and staff management and information technology and computer usage.

Textbooks
Handbook of Pediatric Dentistry, Cameron and Widmer, 3rd Edition

DENT6000
Research Methods in Dentistry
Credit points: 6
Teacher/Coordinator: Dr Manish Arora
Session: Semester 1
Classes: 1x2hr tutorial/week x 10 weeks
Assessment: examination (50%) and weekly assignment (50%)
Mode of delivery: Normal (lecture/lab/tutorial) day
Note: Department permission required for enrolment.

Research Methods in Dentistry is a postgraduate course designed to provide fundamental skills in clinical research design and critical appraisal of scientific literature for students intending to undertake research at the Faculty of Dentistry. The ability to critically evaluate journal articles is seen as an indispensable tool in the pursuit of clinical practice founded on Evidence-Based Dentistry.
All course material is provided on compact discs and through eLearning (formerly WebCT) via the University of Sydney’s website. A detailed series of notes, tutorial exercises and recorded mini-lectures are included in the study material. Students are required to complete one formal tutorial exercise/assignment each week. Weekly tutorial sessions are held at Westmead Hospital and Sydney Dental Hospital.

Topics covered include epidemiologic study design, measures of disease frequency and association, as well as confounding, bias and measurement error. Considerable attention is paid to critical appraisal of journal articles. An introduction into diagnostic test studies, systematic reviews and basic biostatistics is also provided.

Textbooks
Class notes and full-text journal articles are provided via the course website.

DENT6010 Dental Research Studies 1
Credit points: 6 Teacher/Coordinator: Professor Greg Murray Session: Semester 2 Classes: Weekly attendance in research seminars (70% attendance required) and 6hr research sessions. Prerequisites: DENT6010 or DENT6126 or DENT6226 or DENT6326 or DENT6382. Assessment: Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit provides the introduction to a research project, including the development of a research proposal and literature review. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

Normal (lecture/lab/tutorial) day

DENT6011 Dental Research Studies 2
Credit points: 6 Teacher/Coordinator: Professor Greg Murray Session: Semester 1 Classes: Weekly attendance in research seminars (70% attendance required) and 6hr research sessions. Prerequisites: DENT6010 or DENT6127 or DENT6227 or DENT6327 or DENT6386. Assessment: Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit provides continuation of a research project, including the refinement of research methodology and data acquisition. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

DENT6012 Dental Research Studies 3
Credit points: 6 Teacher/Coordinator: Professor Greg Murray Session: Semester 2 Classes: Weekly attendance in research seminars (70% attendance required) and 6hr research sessions. Prerequisites: DENT6011 or DENT6128 or DENT6228 or DENT6328 or DENT6389. Assessment: Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. Mode of delivery: Normal (lecture/lab/tutorial) day

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Credit points: 6 Teacher/Coordinator: Professor Greg Murray Session: Semester 1 Classes: Weekly attendance in research seminars (70% attendance required) and 6hr research sessions. Prerequisites: DENT6012 or DENT6129 or DENT6229 or DENT6279 or DENT6329 or DENT6397. Assessment: Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit provides continuation of a research project, including data analysis and analysis. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

Credit points: 6 Teacher/Coordinator: Professor Greg Murray Session: Semester 2 Classes: Weekly attendance in research seminars (70% attendance required) and 6hr research sessions. Prerequisites: DENT6013 or DENT6130 or DENT6230 or DENT6280 or DENT6330 or DENT6611. Assessment: Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit provides continuation of a research project, including data analysis, treatise write-up and submission. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

Doctor of Clinical Dentistry (Periodontics)
Graduate Diploma in Clinical Dentistry (Oral Biology)
Graduate Certificate in Clinical Dentistry (Oral Biology)

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<th>Time to complete full-time</th>
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Overview
The course provides the opportunity to develop skills and acquire knowledge essential for specialisation in periodontics. The program is aimed at qualified dentists who wish to specialise in periodontics.

Course outcomes
The program prepares students for work in a specialist practice in periodontics or a specialist clinic in a hospital.

Further information
The course currently accepts two to three students every second year; i.e. entry is in alternate years.

For further information about this program see the Faculty of Dentistry website at: http://sydney.edu.au/dentistry/student/postgrad.php

Pattern of enrolment
Enrolment is full-time. In order to fulfil the requirements for registration as a specialist in this field, all Units of Study must be taken in the following sequence. All units of study are compulsory unless otherwise noted.

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Unit of study descriptions

**DENT5401 Clinical Periodontics 1A**

**Credit points:** 6  
**Teacher/Coordinator:** Associate Professor Axel Spahr  
**Session:** Semester 1  
**Classes:** 4 to 6 x 1.5 hr, day clinics weekly and 1 x 2 hr case presentations monthly  
**Corequisites:** DENT5402 and DENT5403  
**Assessment:** Oral case presentations and written case reports (formative). End of year examination  
**Mode of delivery:** Normal (lecture/lab/tutorial) day  

Students undertake clinical care of patients at Sydney Dental Hospital and the Westmead Centre for Oral Health under supervision. Experience is gained in diagnosis, treatment planning and prognosis and in non-surgical and surgical periodontal therapy. Regular case presentations are utilised for students to present cases for discussion.  

Textbooks  

**DENT5402 Introduction to Oral Implants 1A**

**Credit points:** 6  
**Teacher/Coordinator:** Associate Professor Axel Spahr  
**Session:** Semester 1  
**Classes:** Clinical work and small group seminars  
**Corequisites:** DENT5401 and DENT5403  
**Assessment:** Clinical work, written assignment and an end of year examination  
**Mode of delivery:** Normal (lecture/lab/tutorial) day  

This is the foundation block for the training of dental implant related surgery. The course consists of an introductory study on the biological basis of osseointegration and bone repair and wound healing, the design of modern dental implants and the bio-mechanical principles of prosthetic construction on implant supports. Training in the practical sessions will familiarize the students with different implant systems, their technical characteristics and surgical tooling features. The clinical training will focus on the patient assessment process and protocol and the skill in developing a rational and appropriate treatment plan for the patient. Surgical placement of dental implants in non-complicated cases will be attempted during semester 2.  

Textbooks  
A recommended reading and textbook list is provided for this unit in class.

**DENT5403 Periodontontology 1A**

**Credit points:** 6  
**Teacher/Coordinator:** Associate Professor Axel Spahr  
**Session:** Semester 2  
**Classes:** 18 x 1.5 hr seminars  
**Corequisites:** DENT5401 and DENT5402  
**Assessment:** End of year examination (100%)  
**Mode of delivery:** Normal (lecture/lab/tutorial) day  

This course provides an evidence-based foundation in examination, diagnosis, classification, prognosis, treatment planning, staging of treatment and in non-surgical periodontal therapy. Didactic instruction in this course complements clinical activities. Regular journal clubs are held to critically evaluate current literature.  

Textbooks  

**DENT5404 Clinical Periodontics 1B**

**Credit points:** 6  
**Teacher/Coordinator:** Associate Professor Axel Spahr  
**Session:** Semester 2  
**Classes:** 4 to 6 x 1.5 hr day clinics weekly and 1 x 2 hr case presentations monthly  
**Corequisites:** DENT5401 and DENT5402 or DENT6326  
**Assessment:** End of year examination. Mode of delivery: Normal (lecture/lab/tutorial) day  

Students undertake clinical care of patients at Sydney Dental Hospital and the Westmead Centre for Oral Health, Westmead under supervision. Experience is gained in diagnosis, treatment planning and prognosis and in non-surgical and surgical periodontal therapy. Regular case presentations are utilised for students to present cases for discussion.  

Textbooks  

**DENT5405 Introduction to Oral Implants 1B**

**Credit points:** 6  
**Teacher/Coordinator:** Associate Professor Axel Spahr  
**Session:** Semester 2  
**Classes:** Clinical work and small group seminars  
**Corequisites:** DENT5404 and DENT5406  
**Assessment:** Clinical work, written assignment and an end of year examination  
**Mode of delivery:** Normal (lecture/lab/tutorial) day  

This is the foundation block for the training of dental implant related surgery. The course consists of an introductory study on the biological basis of osseointegration and bone repair and wound healing, the design of modern dental implants and the bio-mechanical principles of prosthetic construction on implant supports. Training in the practical sessions will familiarize the students with different implant systems, their technical characteristics and surgical tooling features. The clinical training will focus on the patient assessment process and protocol and the skill in developing a rational and appropriate treatment plan for the patient. Surgical placement of dental implants in non-complicated cases will be attempted during semester 2.  

Textbooks  
A recommended reading and textbook list is provided for this unit in class.

**DENT5406 Periodontology 1B**

**Credit points:** 6  
**Teacher/Coordinator:** Associate Professor Axel Spahr  
**Session:** Semester 2  
**Classes:** 18 x 1.5 hr seminars  
**Corequisites:** DENT5404 and DENT5405  
**Assessment:** End of year examination (100%)  
**Mode of delivery:** Normal (lecture/lab/tutorial) day  

This course examines the microbiology and pathogenesis of periodontal disease. Particular emphasis is given to studying the biofilm structure of dental plaque and the presence of specific, periodontopathic microorganisms within the supragingival and subgingival oral environments. The concepts of the host response and disease susceptibility are covered and the role of risk factors studied. This course also studies the roles of plaque control and supportive periodontal therapy in the clinical management of periodontal disease. Regular journal clubs are held to critically evaluate current literature.  

Textbooks  

**DENT5407 Clinical Periodontics 2A**

**Credit points:** 6  
**Teacher/Coordinator:** Associate Professor Axel Spahr  
**Session:** Semester 2  
**Classes:** 4 to 6 x 1.5 hr day clinics weekly and 1 x 2 hr case presentations monthly  
**Corequisites:** DENT5404 and DENT5405 or DENT5406  
**Assessment:** Oral case presentations and written case reports (formative). End of year examination. Mode of delivery: Normal (lecture/lab/tutorial) day  

Students undertake clinical care of patients at Sydney Dental Hospital and the Westmead Centre for Oral Health, Westmead under supervision. Experience is gained in diagnosis, treatment planning and prognosis and in non-surgical and surgical periodontal therapy. Regular case presentations are utilised for students to present cases for discussion.  

Textbooks  

**DENT5408 Implant-related Surgery 2A**

**Credit points:** 6  
**Teacher/Coordinator:** Associate Professor Axel Spahr  
**Session:** Semester 1  
**Classes:** Clinical work and small group seminars  
**Corequisites:** DENT5407 and DENT5409  
**Assessment:** Clinical work, written assignment and an end of year examination  
**Mode of delivery:** Normal (lecture/lab/tutorial) day  

This course consists of intensive training in the surgical techniques of implant placement in routine and complex/compromised cases, and the surgical preparation of deficient implant sites. It also
emphasizes on developing skill for the students in treatment planning complex reconstruction cases including the use of computerized tomography scanning and computer-assisted implant surgical planning. The clinical skill in the management of surgical complications will also be developed. Contemporary issues and controversies in implantology will be covered in a series of small group seminars.

Textbooks
A recommended reading and textbook list is provided for this unit in class.

DENT5409
Periodontology 2A
Credit points: 6 Teacher/Coordinator: Associate Professor Axel Spahr
Session: Semester 1 Classes: 16 x 1.5 hr seminars, 2 x 3 hr simulation lab sessions Prerequisites: (DENT5404 and DENT5405 and DENT5406) or DENT6327 Corequisites: DENT5407 and DENT5408 Assessment: End of year examination (100%) Mode of delivery: Normal (lecture/lab/tutorial) day

This course covers surgical periodontal therapy, the clinical management of multi-rooted teeth and endodontic-periodontal considerations in diagnosis, treatment planning and treatment. Wound healing, basic surgical principles, pre-operative evaluation, surgical techniques, soft and hard tissue management, suturing and post operative care are covered. The course also covers the role of host risk factors in susceptibility to periodontal disease and in treatment selection and outcomes. Regular journal clubs are held to critically evaluate current literature.

Textbooks

DENT5410
Clinical Periodontics 2B
Credit points: 6 Teacher/Coordinator: Associate Professor Axel Spahr
Session: Semester 2 Classes: 4 to 6 x 1.5 hr day clinics weekly and 1 x 2 hr case presentations monthly Prerequisites: (DENT5407 and DENT5408 and DENT5409) or DENT6328 Corequisites: DENT5411 and DENT5412 Assessment: Oral case presentations and written case reports (formative). End of year examination Mode of delivery: Normal (lecture/lab/tutorial) day

Students undertake clinical care of patients at Sydney Dental Hospital and the Westmead Centre for Oral Health, Westmead under supervision. Experience is gained in diagnosis, treatment planning and prognosis and in non-surgical and surgical periodontal therapy. Regular case presentations are utilised for students to present cases for discussion.

Textbooks

DENT5411
Implant-related Surgery 2B
Credit points: 6 Teacher/Coordinator: Associate Professor Axel Spahr
Session: Semester 2 Classes: Clinical work and small group seminars Prerequisites: (DENT5407 and DENT5408 and DENT5409) or DENT6328 Corequisites: DENT5410 and DENT5412 Assessment: Clinical work, written assignment and an end of year examination Mode of delivery: Normal (lecture/lab/tutorial) day

This course consists of intensive training in the surgical techniques of implant placement in routine and complex/compromised cases, and the surgical preparation of deficient implant sites. It also emphasizes on developing skill for the students in treatment planning complex reconstruction cases including the use of computerized tomography scanning and computer-assisted implant surgical planning. The clinical skill in the management of surgical complications will also be developed. Contemporary issues and controversies in implantology will be covered in a series of small group seminars.

Textbooks
A recommended reading and textbook list is provided for this unit in class.

DENT5412
Periodontology 2B
Credit points: 6 Teacher/Coordinator: Associate Professor Axel Spahr
Session: Semester 2 Classes: 18 x 1.5 hr seminars Prerequisites: (DENT5407 and DENT5408 and DENT5409) or DENT6328 Corequisites: DENT5410 and DENT5411 Assessment: End of year examination (100%) Mode of delivery: Normal (lecture/lab/tutorial) day

This course examines the basic biology of wound healing in relation to bone defect repair and bone regeneration. The diagnosis and classification of periodontal bone defects are covered and strategies for management of these defects are examined. The indications, contra-indications and outcomes of guided tissue regeneration, grafting materials and regeneration - enhancing materials are discussed and evaluated. The course also covers orthodontic-periodontal inter-relationships for diagnosis, treatment planning and therapy. Regular journal clubs are held to critically evaluate current literature.

Textbooks

DENT5413
Clinical Periodontics 3A
Credit points: 6 Teacher/Coordinator: Associate Professor Axel Spahr
Session: Semester 1 Classes: 4 to 6 x 1.5 hr day clinics weekly and 1 x 2 hr case presentations monthly Prerequisites: (DENT5410 and DENT5411 and DENT5412) or DENT6329 Corequisites: DENT5414 and DENT5415 Assessment: Oral case presentations and written case reports (formative). End of year examination Mode of delivery: Normal (lecture/lab/tutorial) day

Students undertake clinical care of patients at Sydney Dental Hospital and the Westmead Centre for Oral Health, Westmead under supervision. Experience is gained in diagnosis, treatment planning and prognosis and in non-surgical and surgical periodontal therapy. Regular case presentations are utilised for students to present cases for discussion.

Textbooks

DENT5414
Advanced Implant Management 3A
Credit points: 6 Teacher/Coordinator: Associate Professor Axel Spahr
Session: Semester 1 Classes: Clinical work and small group seminars Prerequisites: (DENT5410 and DENT5411 and DENT5412) or DENT6329 Corequisites: DENT5413 and DENT5415 Assessment: Clinical work, written assignment and an end of year examination Mode of delivery: Normal (lecture/lab/tutorial) day

This course consolidates the clinical learning of the students and focuses on the development of clinical maturity in the students. Using the expertise of other specialties it cultivates a multi-disciplinary approach in planning and managing complex and difficult cases. It encourages a risk-reduction approach in treatment planning and delivery as well as post-delivery maintenance care.

Textbooks
A recommended reading and textbook list is provided for this unit in class.

DENT5415
Periodontology 3A
Credit points: 6 Teacher/Coordinator: Associate Professor Axel Spahr
Session: Semester 1 Classes: 5 x 1.5 hr seminars Prerequisites: (DENT5410 and DENT5411 and DENT5412) or DENT6329 Corequisites: DENT5413 and DENT5414 Assessment: End of year examination (100%) Mode of delivery: Normal (lecture/lab/tutorial) day

This course examines the aetiology, pathogenesis, diagnosis, management and clinical significance of muco-gingival defects. The role of attached gingiva in the health of the periodontium is discussed. Various surgical modalities for the management of gingival recession, frenal attachments and shallow vestibules are studied and their role evaluated in clinical scenarios. Regular journal clubs are held to critically evaluate current literature.

Textbooks

DENT5416
Clinical Periodontics 3B
Credit points: 6 Teacher/Coordinator: Associate Professor Axel Spahr
Session: Semester 2 Classes: 4 to 6 x 1.5 hr day clinics weekly and 1 x 2 hr case...
Students undertake clinical care of patients at Sydney Dental Hospital and the Westmead Centre for Oral Health, Westmead under supervision. Experience is gained in diagnosis, treatment planning and prognosis and in non-surgical and surgical periodontal therapy. Regular case presentations are utilised for students to present cases for discussion.

Textbooks

DENT6000 Research Methods in Dentistry
Credit points: 6
Teacher/Coordinator: Dr Manish Arora
Session: Semester 1
Semester 2 Classes: 1x2hr tutorial/weak x 10
Assessment: examination (50%) and weekly assignment (50%)
Mode of delivery: Normal (lecture/lab/tutorial) day

Note: Department permission required for enrolment.

Research Methods in Dentistry is a postgraduate course designed to provide fundamental skills in clinical research design and critical appraisal of scientific literature for students intending to undertake research at the Faculty of Dentistry. The ability to critically evaluate journal articles is an indispensable tool in the pursuit of clinical practice founded on Evidence-Based Dentistry. All course material is provided on compact discs and through eLearning (formerly WebCT) via the University of Sydney's website. A detailed series of notes, tutorial exercises and recorded mini-lectures are included in the study material. Students are required to complete one tutorial exercise/assignment each week. Weekly tutorial sessions are held at Westmead Hospital and Sydney Dental Hospital.

Topics covered include epidemiologic study design, measures of disease frequency and association, as well as confounding, bias and measurement error. Considerable attention is paid to critical appraisal of journal articles. An introduction into diagnostic test studies, systematic reviews and basic biostatistics is also provided.

Textbooks
Class notes and full-text journal articles are provided via the course website.

DENT6010 Dental Research Studies 1
Credit points: 6
Teacher/Coordinator: Professor Greg Murray
Session: Semester 2
Classes: 50% attendance required and 2hr research sessions
Assessment: Oral case presentations and written case reports (formative)
End of year examination
Mode of delivery: Normal (lecture/lab/tutorial) day

DENT6011 Dental Research Studies 2
Credit points: 6
Teacher/Coordinator: Professor Greg Murray
Session: Semester 1
Classes: 50% attendance required and 6hr research sessions
Assessment: Oral case presentations and written case reports (formative)
End of year examination
Mode of delivery: Normal (lecture/lab/tutorial) day

DENT6012 Dental Research Studies 3
Credit points: 6
Teacher/Coordinator: Professor Greg Murray
Session: Semester 2
Classes: 50% attendance required and 6hr research sessions
Assessment: Oral case presentations and written case reports (formative)
End of year examination
Mode of delivery: Normal (lecture/lab/tutorial) day

This unit provides continuation of a research project, including the refinement of research methodology and data acquisition. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

DENT6013 Dental Research Studies 4
Credit points: 6
Teacher/Coordinator: Professor Greg Murray
Session: Semester 1
Classes: 50% attendance required and 6hr research sessions
Assessment: Oral case presentations and written case reports (formative)
End of year examination
Mode of delivery: Normal (lecture/lab/tutorial) day

This unit provides continuation of a research project, including the refinement of research methodology and data acquisition. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.
paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit provides continuation of a research project, including data acquisition and analysis. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

DENT6014
Dental Research Studies 5

Credit points: 6 Teacher/Coordinator: Professor Greg Murray Session: Semester 2 Classes: Weekly attendance in research seminars (70% attendance required) and 6hr research sessions. Prerequisites: DENT6013 or DENT6130 or DENT6230 or DENT6280 or DENT6330 or DENT6411 Assessment: Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit provides continuation of a research project, including data analysis, treatise write-up and submission. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.
Doctor of Clinical Dentistry (Prosthodontics)
Graduate Diploma in Clinical Dentistry (Advanced Restorative)
Graduate Certificate in Clinical Dentistry (Advanced Restorative)

Overview
The course provides the opportunity to develop skills and acquire knowledge in advanced restorative dentistry and prosthodontics. The Graduate Certificate (Advanced Restorative) and Graduate Diploma (Advanced Restorative) are embedded within the Doctor of Clinical Dentistry (Prosthodontics) and provide the students the opportunity to complete selected units of study.

Course outcomes
This course prepares candidates for work in a specialist practice in prosthodontics or a specialist clinic in a hospital.

Further information
For further information about this program see the Faculty of Dentistry website at: sydney.edu.au/dentistry/student/postgrad.php

Pattern of enrolment
Enrolment is full-time. In order to fulfil the requirements for registration as a specialist in this field, all Units of Study must be taken in the following sequence. All units of study are compulsory unless otherwise noted.

Academic Year 1

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## Table of units of study: Prosthodontics

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Unit of study descriptions

DENT6000
Research Methods in Dentistry
Credit points: 6
Teacher/Coordinator: Dr Marish Arora.
Session: Semester 1, Semester 2.
Classes: 1x2hr tutorial/week x 10 weeks.
Assessment: examination (50%) and weekly assignment (50%).
Mode of delivery: Normal (lecture/lab/tutorial) day.
Note: Department permission required for enrolment.

Research Methods in Dentistry is a postgraduate course designed to provide fundamental skills in clinical research design and critical appraisal of scientific literature for students intending to undertake research at the Faculty of Dentistry. The ability to critically evaluate journal articles is seen as an indispensable tool in the pursuit of clinical practice founded on Evidence-Based Dentistry.

All course material is provided on compact discs and through eLearning (formerly WebCT) via the University of Sydney’s website. A detailed series of notes, tutorial exercises and recorded mini-lectures are included in the study material. Students are required to complete one tutorial exercise/assignment each week. Weekly tutorial sessions are held at Westmead Hospital and Sydney Dental Hospital.

Topics covered include epidemiologic study design, measures of disease frequency and association, as well as confounding, bias and measurement error. Considerable attention is paid to critical appraisal of journal articles. An introduction into diagnostic test studies, systematic reviews and basic biostatistics is also provided.

Textbooks
Class notes and full-text journal articles are provided via the course website.

DENT6010
Dental Research Studies 1
Credit points: 6
Teacher/Coordinator: Professor Greg Murray.
Session: Semester 1.
Classes: Weekly attendance in research seminars (70% attendance required) and 2hr research sessions.
Prerequisites: DENT6000 or DENT6126 or DENT6226 or DENT6276 or DENT6326 or DENT6382.
Assessment: Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer-reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. Mode of delivery: Normal (lecture/lab/tutorial) day.

This unit provides the introduction to a research project, including the development of a research proposal and literature review. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

DENT6011
Dental Research Studies 2
Credit points: 6
Teacher/Coordinator: Professor Greg Murray.
Session: Semester 1.
Classes: Weekly attendance in research seminars (70% attendance required) and 6hr research sessions.
Prerequisites: DENT6010 or DENT6127 or DENT6227 or DENT6277 or DENT6327 or DENT6388.
Assessment: Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer-reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. Mode of delivery: Normal (lecture/lab/tutorial) day.

This unit provides continuation of a research project, including the refinement of research methodology and data acquisition. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

DENT6012
Dental Research Studies 3
Credit points: 6
Teacher/Coordinator: Professor Greg Murray.
Session: Semester 2.
Classes: Weekly attendance in research seminars (70% attendance required) and 6hr research sessions.
Prerequisites: DENT6011 or DENT6128 or DENT6228 or DENT6278 or DENT6328 or DENT6393.
Assessment: Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer-reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. Mode of delivery: Normal (lecture/lab/tutorial) day.

This unit provides continuation of a research project, including the refinement of research methodology and data acquisition. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

DENT6013
Dental Research Studies 4
Credit points: 6
Teacher/Coordinator: Professor Greg Murray.
Session: Semester 2.
Classes: Weekly attendance in research seminars (70% attendance required) and 6hr research sessions.
Prerequisites: DENT6012 or DENT6129 or DENT6229 or DENT6279 or DENT6329 or DENT6397.
Assessment: Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer-reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. Mode of delivery: Normal (lecture/lab/tutorial) day.

This unit provides continuation of a research project, including data analysis and analysis. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

DENT6014
Dental Research Studies 5
Credit points: 6
Teacher/Coordinator: Professor Greg Murray.
Session: Semester 2.
Classes: Weekly attendance in research seminars (70% attendance required) and 6hr research sessions.
Prerequisites: DENT6013 or DENT6130 or DENT6230 or DENT6280 or DENT6330 or DENT6411.
Assessment: Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer-reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. Mode of delivery: Normal (lecture/lab/tutorial) day.

This unit provides continuation of a research project, including data analysis, treatise write-up and submission. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

DENT6371
Foundation: Fixed & Removable Pros
Credit points: 6
Teacher/Coordinator: Professor Ilven Klineberg.
Session: Semester 1.
Classes: 1x10day block (9am - 5pm), clinical work, small group seminars, self-directed study.
Assessment: clinical work (40%), written assignments and literature reviews (40%) and clinical mentor feedback (20%).
Mode of delivery: Block mode.

This unit provides an overview for students at the postgraduate level of clinical procedural and evidence-based information on fixed and removable prosthodontics.

Textbooks
65
A recommended reading and text book list is provided for this class.

DENT6372
Fixed & Removable Prosthodontics 1
Credit points: 6 Teacher/Coordinator: Professor Iven Klineberg Session:
Semester 2 Classes: 1x5 day block (9am - 5pm), clinical work, small group seminars, treatment planning sessions Prerequisites: DENT6371 Assessment: clinical work (50%), written assignments (20%), and clinical mentor feedback (30%) Mode of delivery: Block mode

This unit provides for students at the postgraduate level details of clinical decision-making and evidence-based information on fixed and removable prosthodontics. Textbooks

A recommended reading and text book list is provided for this class.

DENT6382
Foundation: Restorative Dentistry
Credit points: 6 Teacher/Coordinator: Professor Iven Klineberg Session:
Semester 1 Classes: clinical work and small group seminars Assessment: clinical work and written assignments (100%) Mode of delivery: Normal (lecture/lab/tutorial) day

This unit provides an overview at the postgraduate level in restorative dentistry. Textbooks

A recommended reading and text book list is provided for this unit in class.

DENT6385
Foundation: Orofacial Pain
Credit points: 6 Teacher/Coordinator: Professor Iven Klineberg Session:
Semester 1 Classes: clinical work and small group seminars Assessment: clinical work and written assignments (100%) Mode of delivery: Normal (lecture/lab/tutorial) day

This unit provides an overview at the postgraduate level in orofacial pain. Textbooks

A recommended reading and text book list is provided for this unit in class.

DENT6386
Restorative Dentistry 1
Credit points: 6 Teacher/Coordinator: Professor Iven Klineberg Session:
Semester 2 Classes: clinical work and small group seminars Assessment: clinical work and written assignments (100%) Mode of delivery: Normal (lecture/lab/tutorial) day

This unit provides further training at the postgraduate level in restorative dentistry. Textbooks

A recommended reading and text book list is provided for this unit in class.

DENT6389
Orofacial Pain 1
Credit points: 6 Teacher/Coordinator: Professor Iven Klineberg Session:
Semester 2 Classes: clinical work and small group seminars Assessment: clinical work and written assignments (100%) Mode of delivery: Normal (lecture/lab/tutorial) day

This unit provides further training at the postgraduate level in orofacial pain. Textbooks

A recommended reading and text book list is provided for this unit in class.

DENT6390
Advanced Clinical Prosthodontics 1A
Credit points: 6 Teacher/Coordinator: Professor Iven Klineberg Session:
Semester 1 Classes: clinical work and small group seminars Assessment: clinical work and written assignments (100%) Mode of delivery: Clinical experience

This unit provides advanced training at the postgraduate level in clinical prosthodontics. Textbooks

A recommended reading and text book list is provided for this unit in class.
DENT6395 Assessment: clinical work and written assignments (100%) Mode of delivery: Clinical experience

This unit provides further advanced level training at the postgraduate level in prosthetic dentistry.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6400 Advanced Clinical Prosthodontics 3C
Credit points: 6 Teacher/Coordinator: Professor Iven Klineberg Session: Semester 1 Classes: clinical work and small group seminars Prerequisites: DENT6396 Assessment: clinical work and written assignments (100%) Mode of delivery: Clinical experience

This unit provides further advanced level training at the postgraduate level in prosthetic dentistry.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6412 Advanced Clinical Prosthodontics 4A
Credit points: 6 Teacher/Coordinator: Professor Iven Klineberg Session: Semester 2 Classes: clinical work and small group seminars Prerequisites: DENT6398 Assessment: clinical work and written assignments (100%) Mode of delivery: Clinical experience

This unit provides further advanced level training at the postgraduate level in prosthetic dentistry.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6413 Advanced Clinical Prosthodontics 4B
Credit points: 6 Teacher/Coordinator: Professor Iven Klineberg Session: Semester 2 Classes: clinical work and small group seminars Prerequisites: DENT6399 Assessment: clinical work and written assignments (100%) Mode of delivery: Clinical experience

This unit provides further advanced level training at the postgraduate level in prosthetic dentistry.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6414 Advanced Clinical Prosthodontics 4C
Credit points: 6 Teacher/Coordinator: Professor Iven Klineberg Session: Semester 2 Classes: clinical work and small group seminars Prerequisites: DENT6400 Assessment: clinical work and written assignments (100%) Mode of delivery: Clinical experience

This unit provides further advanced level training at the postgraduate level in prosthetic dentistry.

Textbooks
A recommended reading and text book list is provided for this unit in class.
Doctor of Clinical Dentistry (Special Care Dentistry)
Graduate Diploma in Clinical Dentistry (Hospital Dentistry)
Graduate Certificate in Clinical Dentistry (Hospital Dentistry)

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Overview
This course provides advanced didactic, clinical and research training designed to prepare the candidate for a career at the specialist level in Special Care Dentistry.

Course outcomes
To prepare candidates for a career at the specialist level in Special Care Dentistry, and to provide a basis to pursue a career pathway in research and/or clinical academic positions.

Further information
For further information about this program see the Faculty of Dentistry website at: sydney.edu.au/dentistry/student/postgrad.php

Pattern of enrolment
Enrolment is full-time. In order to fulfil the requirements for registration as a specialist in this field, all Units of Study must be taken in the following sequence. All units of study are compulsory unless otherwise noted.

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<td>P (DENT6000 and DENT5200 and DENT5201 and DENT5202) or DENT6126</td>
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<td>DENT6010</td>
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<td>Dental Research Studies 1</td>
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Graduate Certificate exit students are required to successfully complete the first 4 units of study.
Graduate Diploma exit students are required to successfully complete the first 8 units of study.

| **Year 2**    |               |                      |                  |                |                |         |
| DENT5230      | 6             |                      |                  |                |                | Semester 1 |
| Behaviour and Dental Management 3 |               |                      |                  |                |                |         |
| DENT5231      | 6             | C DENT5230           | Semester 1       |                |                |         |
| Growth, Development and Aging 1 |               |                      |                  |                |                |         |
| DENT5232      | 6             |                      | Semester 1       |                |                |         |
| Restorative Dentistry 1 |               |                      |                  |                |                |         |
| DENT6011      | 6             | P DENT6010 or DENT6127 or DENT6227 or DENT6277 or DENT6327 or DENT6386 | Semester 1       |                |                |         |
| Dental Research Studies 2 |               |                      |                  |                |                |         |
| DENT5233      | 6             | P DENT5230           | Semester 2       |                |                |         |
| Behaviour and Dental Management 2 |               |                      |                  |                |                |         |
| DENT5234      | 6             | P DENT5231           | Semester 2       |                |                |         |
| Growth, Development and Aging 2 |               |                      |                  |                |                |         |
| DENT5235      | 6             | P DENT5232           | Semester 2       |                |                |         |
| Restorative Dentistry 2 |               |                      |                  |                |                |         |
| DENT6012      | 6             | P DENT6011 or DENT6128 or DENT6228 or DENT6278 or DENT6328 or DENT6393 | Semester 2       |                |                |         |
| Dental Research Studies 3 |               |                      |                  |                |                |         |

| **Year 3**    |               |                      |                  |                |                |         |
| DENT5236      | 6             | P DENT5230 and DENT5233 | Semester 1       |                |                |         |
| Behaviour and Dental Management 3 |               |                      |                  |                |                |         |
| DENT5237      | 6             | P DENT5234           | Semester 1       |                |                |         |
| Growth, Development and Aging 3 |               |                      |                  |                |                |         |
| DENT5238      | 6             | P DENT5235           | Semester 1       |                |                |         |
| Oral Rehabilitation |               |                      |                  |                |                |         |
| DENT5239      | 6             | P DENT6012 or DENT6129 or DENT6229 or DENT6279 or DENT6329 or DENT6397 | Semester 1       |                |                |         |
| Dental Research Studies 4 |               |                      |                  |                |                |         |
| DENT5240      | 6             | P DENT5237           | Semester 2       |                |                |         |
| Growth, Development and Aging 4 |               |                      |                  |                |                |         |
| DENT5013      | 6             | P ([PUBH5010 or CEPI5100] and PUBH5018) or DENT6000 | Semester 2       |                |                |         |
| Preventative Dentistry |               |                      |                  |                |                |         |
| DENT6014      | 6             | P DENT6013 or DENT6130 or DENT6230 or DENT6280 or DENT6330 or DENT6411 | Semester 2       |                |                |         |
| Dental Research Studies 5 |               |                      |                  |                |                |         |
Unit of study descriptions

DENT5013 Preventative Dentistry
Credit points: 6 Teacher/Coordinator: Associate Professor Wendell Evans Session: Semester 2 Classes: 30hrs consisting of 10x1hr lecture/seminar and 2hr tutorial Prerequisites: ([PUBH5010 or CHEP1510] and PUBH5018) or DENT6000 Assessment: Individual written assignments (70%), tutorial discussion and group-work participation (30%). Mode of delivery: Normal (lecture/tut/tutorial) day.

To provide students with sufficient background and appreciation of the importance of preventive dentistry and oral health promotion and to provide them with the opportunity to develop skills and acquire essential knowledge in this field for the effective practice of population oral health. The following topics will be covered: principles of prevention; oral diseases and conditions of public health concern - a review; the epidemiology of the common oral problems; prevention of dental caries; prevention of periodontal disease; prevention of other diseases of oral health concern; evidence-based preventive dental care; principles of health education, health protection, and oral health promotion; and the principles of health education and oral health promotion initiatives. On the completion of this unit of study, the student will be able to: understand the efficacy and effectiveness of risk reduction strategies in relation to the common oral problems and conditions; select interventions and strategies for the prevention and control of oral disease and the promotion of oral health; and understand the limitations of health education and the potential for oral health improvement through effective oral health promotion strategies.

Textbooks

DENT5200 Applied Oral Biology
Credit points: 6 Teacher/Coordinator: Associate Professor Hans Zoellner, Associate Professor Hedley Coleman Session: Semester 1 Classes: independent study x4 hrs, seminar presentation x3 hrs, journal club presentation x2 hrs (per week) Corequisites: DENT6000 and DENT5201 and DENT5202 Assessment: ongoing assessment of participation and contribution in journal club and seminar presentations (100%) Mode of delivery: Normal (lecture/tut/tutorial) day.

Basic oral/dental histology and biology will be covered. Topics include embryology including tooth development, histology of oral mucosa, salivary glands and bone.

Textbooks
Oral Histology, Ten Cate

DENT5201 Oral Medicine and Oral Pathology 1
Credit points: 6 Teacher/Coordinator: Associate Professor Mark Schilter, Associate Professor Hedley Coleman, Associate Professor Hans Zoellner, Dr Anastasia Georgiou, Dr Sue-Ching Yeoh Session: Semester 1 Classes: oral medicine clinic x10 hrs, biopsy clinic x3 hrs, medically complex clinic x4 hrs, oral medicine/oral pathology conference x4 hrs (per week) Corequisites: DENT6000 and [DENT6210 and DENT6211] or [DENT5200 and DENT5202] Assessment: continuous clinical assessment (50%), viva voce (50%) Mode of delivery: Clinical experience.

Principles of effective diagnostic procedure are reinforced through supervised clinical training. Emphasis is placed on history taking and examination; application and interpretation of special investigations; differential diagnosis; treatment planning; clinical records and quality of care evaluation; and the development of effective communication skills in interdisciplinry clinical practice. Principles and practice of pharmacology. Topics include: processes of inflammation and repair, hamartomas, oral dermatoses, neoplasia, orofacial infections, salivary gland diseases, neurological disorders and pain syndromes. Oral conditions of systemic significance include manifestations of: haematological and other malignancies and their treatment, immunosuppression (e.g. HIV), autoimmune diseases, psychogenic disorders with orofacial features. Review of relevant histopathology cases.

DENT5202 Internal and General Medicine 1A
Credit points: 6 Teacher/Coordinator: Dr Michael Veness, Dr Gary Morgan, Dr Carsten Palme, Dr John Sullivan, A/Prof Ken Bradstock, Associate Professor Mark Schilter Session: Semester 1 Classes: medical rotations x3 hrs, medical grand rounds x1 hr, basic physicians training course x3 hrs (per week) Corequisites: DENT6000 and DENT5200 and DENT5201 Assessment: continuous clinical assessment (50%); viva voce (50%) Mode of delivery: Clinical experience.

Candidates rotate through various medical specialist clinics including: Head and Neck Radiation Oncology, Haematology (with emphasis on the care of patients undergoing haematopoietic stem cell transplants), Dermatology, Immunology and Radiology/Nuclear Medicine.

An emphasis is placed on understanding and application of principles of pharmacology.

Attendance at the FRACP trainee physician's lecture series held weekly in two blocks of six months over two years covers the spectrum of topics relevant to internal medicine. The lecture series covers the spectrum of internal medicine including the aetiology, pathogenesis, diagnosis, management, prevention and epidemiology of disease. The series covers the main areas of immunology, molecular biology and genetics, endocrinology, neurology, renal medicine, gastroenterology and hepatology, rheumatology, pharmacology, haematology, infectious diseases, respiratory medicine, cardiology, oncology, social and community medicine.

Candidates also attend the Medical Grand Rounds at Westmead Hospital.

DENT5203 Oral Medicine 1
Credit points: 6 Teacher/Coordinator: Associate Professor Mark Schilter, Associate Professor Hedley Coleman, Associate Professor Hans Zoellner, Dr Anastasia Georgiou, Dr Sue-Ching Yeoh Session: Semester 2 Classes: oral medicine clinic x10 hrs, biopsy clinic x3 hrs, medically complex clinic x4 hrs, oral medicine/oral pathology conference x4 hrs (per week) Corequisite: [DENT6000 and DENT5200 and DENT5201 and DENT5202] or DENT6126 Corequisites: DENT6010 and DENT5204 and DENT5205 Assessment: continuous clinical assessment (30%);1x 2000 word essays (10%), written paper x2 hrs (40%), viva voce (20%) Mode of delivery: Clinical experience.

Principles of effective diagnostic procedure are reinforced through supervised clinical training. Emphasis is placed on history taking and examination; application and interpretation of special investigations; differential diagnosis; treatment planning; clinical records and quality
of care evaluation; and the development of effective communication skills in interdisciplinary clinical practice. Principles and practice of pharmacology.

Topics include: processes of inflammation and repair, hamartomas, oral dermatoses, neoplasia, orofacial infections, salivary gland diseases, neurological disorders and pain syndromes. Oral conditions of systemic significance include manifestations of: haematological and other malignancies and their treatment, immunosuppression (eg. HIV), autoimmune diseases, psychogenic disorders with orofacial features.

Review of relevant histopathology cases.

Medically complex clinics focus on aspects of internal medicine of concern to the provision of safe and effective dental treatment in patients with severe medical conditions. Topics include: defective haemostasis, blood transfusion requirements, endocarditis prophylaxis, bisphosphonate therapy, drug interactions, infectious diseases, allergy, immunosuppression, chemotherapy, radiation oncology, palliative care, endocrine therapy, geriatrics, physical handicaps, psychiatric illness and chronic pain problems.

Principles and practice of diagnostic dental and maxillofacial radiology are reinforced, with direct practical experience with a focus on extra-oral techniques. Discussions on diagnostic/interpretive imaging, including plain film radiography, sialography, angiography, CT and MRI.

Textbooks
Oral and Maxillofacial Pathology, 2nd Ed BW Neville, DD Damm. CA Allen. JE Bouquot. Lucas’s Pathology of Tumours of the Oral Tissues, RA Gawson, WH Binnie, PM Speight, AW Barrett, JM Wright
Oral Pathology: Clinical Pathologic Correlations, JA Regezi, JJ Scibbu, RCK Jordan

Medical Problems in Dentistry, C Scully, RA Gawson
Dental Management of the Medically Compromised Patient, JW Little, DA Falace, CS Miller, NL Rhodes

DENT5204 Oral Pathology 1
Credit points: 6
Teacher/Coordinator: Associate Professor Hedley Coleman
Session: Semester 2 Classes: oral pathology conference (slide review and journal club) x 2 hrs, seminars x 1 hr, diagnostic histology/pathology x 1 hr (per week)
Prerequisites: DENT6000 and [(DENT5201 and DENT6210 and DENT6211) or (DENT5200 and DENT5201 and DENT5202)] Corequisites: DENT6010 and [(DENT6212 and DENT6213) or (DENT5203 and DENT5205)]
Assessment: 1x2hr written exam (50%), viva voce (50%)
Mode of delivery: Normal (lecture/lab/tutorial) day

The course covers a review of relevant aspects of oral biology including bone, mucosa, salivary glands and tooth development.

Oral pathology is introduced by investigating the clinico-pathological features of soft and hard tissue pathoses including inflammatory and repair processes, hamartomas, mucosal and salivary gland diseases, fibro-osseous lesions, benign and malignant non-odontogenic and odontogenic neoplasms, cysts of the jaws and soft tissues of the head and neck.

Weekly departmental review of the current histopathology cases, particularly biopsies of patients undertaken or seen in the Oral Medicine clinics, or Head and Neck oncology clinics.

Textbooks
Oral Anatomy, Embryology and Histology, 3rd ed, Berkowitz BKB, Holland GR and Moxham BJ.
Oral and Maxillofacial Pathology, 2nd ed, BW Neville, DD Damm. CA Allen. JE Bouquot.
Oral Pathology Clinical Pathologic Correlations, JA Regezi, JJ Scibbu, RCK Jordan

DENT5205 Internal and General Medicine 1B
Credit points: 6
Teacher/Coordinator: Dr Michael Veness, Dr Gary Morgan, Dr Carsten Palme, Dr John Sullivan, A/Prof Ken Bradstock, Associate Professor Mark Schifter
Session: Semester 2 Classes: medical rotations x3hrs, medical grand rounds x 1 hr, basic physicians training course x 3 hrs (per week)
Prerequisites: (DENT6000 and DENT5200 and DENT5201 and DENT5202) or DENT6126
Corequisites: DENT6010 and DENT5203 and DENT5204
Assessment: continuous clinical assessment (50%); viva voce (50%)
Mode of delivery: Clinical experience

Candidates rotate through various medical specialty clinics including: Head and Neck Radiation Oncology, Haematology (with emphasis on the care of patients undergoing haematopoietic stem cell transplants), Dermatology, Immunology and Radiology/Nuclear Medicine.

An emphasis is placed on understanding and application of principles of pharmacology.

Attendance at the FRACP trainee physician's lecture series held weekly in two blocks of six months over two years covers the spectrum of topics relevant to internal medicine. The lecture series covers the spectrum of internal medicine including the aetiology, pathogenesis, diagnosis, management, prevention and epidemiology of disease. The series covers the main areas of immunology, molecular biology and genetics, endocrinology, neurology, renal medicine, gastroenterology and hepatology, rheumatology, pharmacology, haematology, infectious diseases, respiratory medicine, cardiology, oncology, social and community medicine.

Candidates also attend the Medical Grand Rounds at Westmead Hospital.

DENT5230 Behaviour and Dental Management 3
Credit points: 6
Teacher/Coordinator: Associate Professor Mark Schifter
Session: Semester 1 Classes: clinical prac 20 hr/wk, 1x3hr tut, 5x1hr lect
Assessment: tutorials (20%), clinical (50%), exams (30%)
Mode of delivery: Clinical experience

This course gives students knowledge and skill in the management of medically compromised patients and covers this important aspect of dentistry in detail, with special reference to the multi-disciplinary nature of diagnosis and treatment of medically compromised patients. It covers the implications for dental treatment in patients ranging from the child to the geriatric patient with cardiac, respiratory, neurological, oncological and other special needs.

DENT5231 Growth, Development and Aging 1
Credit points: 6
Teacher/Coordinator: Associate Professor Mark Schifter, A/Prof Angus Cameron
Session: Semester 1 Classes: clinical prac 20 hr/wk, 1x3hr tut, 5x1hr lect
Corequisites: DENT5230 Assessment: tutorials (20%), clinical (50%), exams (30%)
Mode of delivery: Clinical experience

This course covers general growth and development from conception through infancy and childhood to adolescence/adulthood with special reference to the orofacial complex. An understanding of the basic processes of normal growth and development and how perturbations result in abnormalities will be achieved.

DENT5232 Restorative Dentistry 1
Credit points: 6
Teacher/Coordinator: Associate Professor Mark Schifter and Dr Christine Wallace
Session: Semester 1 Classes: clinical prac 25.5 hr/wk Assessment: tutorials (20%), clinical (50%), exams (30%)
Mode of delivery: Clinical experience

This course ensures that students have an evidenced-based approach to clinical dentistry and are expert in the delivery of clinical care. It will be the foundation of clinical practice in this discipline and covers all the clinical aspects of prevention, repair and maintenance of the primary and permanent dentition in children, adolescents and adults. The importance of sound diagnostic criteria leading to the creation of rational treatment plans is emphasised. The candidate should develop a solid understanding of differing treatment philosophies, materials and techniques. The importance of flexibility in treatment techniques to coincide with the advances in dental materials is stressed.

DENT5233 Behaviour and Dental Management 2
Credit points: 6
Teacher/Coordinator: Associate Professor Mark Schifter
Session: Semester 2 Classes: clinical prac 20 hr/wk, 1x3hr tut, 5x1hr lect
Prerequisites: DENT5230 Assessment: tutorials (20%), clinical (50%), exams (30%)
Mode of delivery: Clinical experience
This course gives students knowledge and skill in the management of medically compromised patients and covers this important aspect of dentistry in detail, with special reference to the multi-disciplinary nature of diagnosis and treatment of medically compromised patients. It covers the implications for dental treatment in patients ranging from the child to the geriatric patient with cardiac, respiratory, neurological, oncological and other special needs.

DENT5234
Growth, Development and Aging 2
Credit points: 6  Teacher/Coordinator: Associate Professor Mark Schifter, A/Prof Angus Cameron  Session: Semester 2  Classes: clinical prac 20hr/wk, 1x3hr tut, 5x1hr lect  Prerequisites: DENT5231 Assessment: tutorials (20%), clinical (50%), exams (30%)  Mode of delivery: Clinical experience

This course covers general growth and development from conception through infancy and childhood to adolescence/adulthood with special reference to the orofacial complex. An understanding of the basic processes of normal growth and development and how perturbations result in abnormalities will be achieved.

DENT5235
Restorative Dentistry 2
Credit points: 6  Teacher/Coordinator: Associate Professor Mark Schifter and Dr Christine Wallace  Session: Semester 2  Classes: clinical prac 25.5 hr/wk  Prerequisites: DENT5232 Assessment: tutorials (20%), clinical (50%), exams (30%)  Mode of delivery: Clinical experience

This course ensures that students have an evidenced-based approach to clinical dentistry and are expert in the delivery of clinical care. It will be the foundation of clinical practice in this discipline and covers all the clinical aspects of prevention, repair and maintenance of the primary and permanent dentition in children, adolescents and adults. The importance of sound diagnostic criteria leading to the creation of rational treatment plans is emphasised. The candidate should develop a sound understanding of differing treatment philosophies, materials and techniques. The importance of flexibility in treatment techniques to coincide with the advances in dental materials is stressed.

DENT5236
Behaviour and Dental Management 3
Credit points: 6  Teacher/Coordinator: Associate Professor Mark Schifter  Session: Semester 2  Classes: clinical prac 20hr/wk, 1x3hr tut, 5x1hr lect  Prerequisites: DENT5230 and DENT5233 Assessment: tutorials (20%), clinical (50%), exams (30%)  Mode of delivery: Clinical experience

This course teaches students intermediate knowledge and skills in the management of medically compromised patients and covers this important aspect of dentistry in detail, with special reference to the multi-disciplinary nature of diagnosis and treatment of medically compromised patients. It covers the implications for dental treatment in patients ranging from the child to the geriatric patient with cardiac, respiratory, neurological, oncological and other special needs.

DENT5237
Growth, Development and Aging 3
Credit points: 6  Teacher/Coordinator: Associate Professor Mark Schifter, Associate Professor Angus Cameron  Session: Semester 2  Classes: clinical prac 20hr/wk, 1x3hr tut, 5x1hr lect  Prerequisites: DENT5234 Assessment: tutorials (20%), clinical (50%), exams (30%)  Mode of delivery: Clinical experience

This course covers general growth and development from conception through infancy and childhood to adolescence/adulthood with special reference to the orofacial complex. An intermediate understanding of the basic processes of normal growth and development and how perturbations result in abnormalities will be achieved.

DENT5238
Oral Rehabilitation
Credit points: 6  Teacher/Coordinator: Associate Professor Mark Schifter and Dr Christine Wallace  Session: Semester 2  Classes: clinical prac 25.5hr/wk  Prerequisites: DENT5235 Assessment: tutorials (20%), clinical (50%), exams (30%)  Mode of delivery: Clinical experience

This course teaches students to have an evidenced-based approach to clinical dentistry. It is the foundation of clinical practice in this discipline and covers all clinical aspects of prevention, repair and maintenance of the primary and permanent dentition in children, adolescents and adults. The importance of sound diagnostic criteria leading to the creation of rational treatment plans is emphasised. The candidate should develop a sound understanding of differing treatment philosophies, materials and techniques. The importance of flexibility in treatment techniques to coincide with the advances in dental materials is stressed.

DENT5239
Behaviour and Dental Management 4
Credit points: 6  Teacher/Coordinator: Associate Professor Mark Schifter  Session: Semester 2  Classes: clinical prac 20hr/wk, 1x3hr tut, 5x1hr lect  Prerequisites: DENT5236 Assessment: tutorials (20%), clinical (50%), exams (30%)  Mode of delivery: Clinical experience

This course covers students advanced knowledge and skill in the management of medically compromised patients and covers this important aspect of dentistry in detail, with special reference to the multi-disciplinary nature of diagnosis and treatment of medically compromised patients. It covers the implications for dental treatment in patients ranging from the child to the geriatric patient with cardiac, respiratory, neurological, oncological and other special needs.

DENT5240
Research Methods in Dentistry
Credit points: 6  Teacher/Coordinator: Dr Manish Arora  Session: Semester 1, Semester 2  Classes: 1x2hr tutorial/week x 10weeks  Assessment: examination (25%) and weekly assignment (50%)  Mode of delivery: Normal (lecture/lab/tutorial) day  Note: Department permission required for enrolment.

Research Methods in Dentistry is a postgraduate course designed to provide fundamental skills in clinical research design and critical appraisal of scientific literature for students intending to undertake research at the Faculty of Dentistry. The ability to critically evaluate journal articles is seen as an indispensable tool in the pursuit of clinical practice founded on Evidence-Based Dentistry. All course material is provided on compact discs and through eLearning (formerly WebCT) via the University of Sydney's website. A detailed series of notes, tutorial exercises and recorded mini-lectures are included in the study material. Students are required to complete one tutorial exercise/assignment each week. Weekly tutorial sessions are held at Westmead Hospital and Sydney Dental Hospital. Topics covered include epidemiologic study design, measures of disease frequency and association, as well as confounding, bias and measurement error. Considerable attention is paid to critical appraisal of journal articles. An introduction into diagnostic test studies, systematic reviews and basic biostatistics is also provided.

Textbooks:
Class notes and full-text journal articles are provided via the course website.

DENT6010
Dental Research Studies 1
Credit points: 6  Teacher/Coordinator: Professor Greg Murray  Session: Semester 2  Classes: Weekly attendance in research seminars (70% attendance required) and 2hr research sessions  Prerequisites: DENT6000 or DENT6126 or DENT6226 or DENT6276 or DENT6326 or DENT6382 Assessment: 73
Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. **Mode of delivery:** Normal (lecture/lab/tutorial) day

This unit provides the introduction to a research project, including the development of a research proposal and literature review. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

**DENT6011**

**Dental Research Studies 2**

**Credit points:** 6  **Teacher/Coordinator:** Professor Greg Murray  **Session:** Semester 1  **Classes:** Weekly attendance in research seminars (70% attendance required) and 6hr research sessions.  **Prerequisites:** DENT6010 or DENT6127 or DENT6227 or DENT6277 or DENT6327 or DENT6386  **Assessment:** Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. **Mode of delivery:** Normal (lecture/lab/tutorial) day

This unit provides continuation of a research project, including the refinement of research methodology and data acquisition. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

**DENT6012**

**Dental Research Studies 3**

**Credit points:** 6  **Teacher/Coordinator:** Professor Greg Murray  **Session:** Semester 2  **Classes:** Weekly attendance in research seminars (70% attendance required) and 6hr research sessions.  **Prerequisites:** DENT6011 or DENT6128 or DENT6228 or DENT6278 or DENT6328 or DENT6393  **Assessment:** Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. **Mode of delivery:** Normal (lecture/lab/tutorial) day

This unit provides continuation of a research project, including the refinement of research methodology and data acquisition. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.

**DENT6013**

**Dental Research Studies 4**

**Credit points:** 6  **Teacher/Coordinator:** Professor Greg Murray  **Session:** Semester 1  **Classes:** Weekly attendance in research seminars (70% attendance required) and 6hr research sessions.  **Prerequisites:** DENT6012 or DENT6129 or DENT6229 or DENT6279 or DENT6329 or DENT6397  **Assessment:** Candidates will be required to submit a treatise or written work in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. **Mode of delivery:** Normal (lecture/lab/tutorial) day

This unit provides continuation of a research project, including data analysis and treatise write-up and submission. The treatise is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The treatise or written work is in 5 parts all of which will be completed in a minimum of three years of full time study.
Dental Medicine

Doctor of Dental Medicine

Overview

The Doctor of Dental Medicine (DMD) is a professional postgraduate coursework degree, set at the master’s degree level because it accepts only graduates and uses postgraduate learning and teaching principles and methods. It is the initial professional entry degree to register as a dentist. The DMD fits within the Australian Qualifications Framework (AQF) specifications for the Masters Degree (Extended). The DMD is distinct from the Doctor of Clinical Dentistry (DClinDent) which is the specialist degree following on from the first professional degree.

The duration of the course is four years and successful completion of a pre-requisite Biology Unit of Study, equivalent to the University of Sydney BIOL1001. The DMD is open to applicants who have completed a bachelor’s degree in any discipline from an accredited university, including some international institutions. Graduates of the DMD program will be fully qualified to practice dentistry upon completion of the degree, as well as being eligible to sit for the Dental Examining Board of Canada (DEB) examination to practice as a dentist (in Canada).

Please note there is no provision to transfer to the DMD from a dentistry degree conducted at another university as candidates are required to have a completed an undergraduate degree to be eligible to apply for the DMD. The faculty does not conduct bridging courses required to have a completed an undergraduate degree to be eligible to apply for the DMD. The faculty does not conduct bridging courses for international dental graduates. If you wish to apply for the DMD, you are required to complete the full four year program.

There are no credits granted for previous study.

Applicants include local and international students who have demonstrated academic excellence, adhere to the highest levels of professionalism and are keen to develop leadership capacity.

Course outcomes

In recent years, the roles of the dental health care provider have changed considerably. Effective preventive measures, rapid advances in biomedical and genetic research and the development of new dental technologies and materials are just some of the factors that have altered the scope and challenges of modern dentistry. The aging of the population has led to an increase in chronic and multi-system illness and an associated increase in complex pharmacological management. There is also an increasing expectation that all health care providers adopt an evidence-based approach, ensuring that their patients receive the most effective treatment available.

The Doctor of Dental Medicine (DMD) recognises these professional needs in the design and content of the DMD and also recognises academic maturity and graduate capacities that students with a previous bachelors’ degree possess so that these qualities to may be built upon to:

- instil a passion for lifelong learning through a critical approach to learning and professional judgment, as well as building capacity for self-evaluation
- in addition to professional and ethical stances, enhance a social conscience and a sense of social responsibility and cultural competence
- gain, qualitatively and quantitatively, significant patient-based experience
- support research-informed decisions through critique of available information and defend their treatment decisions as the most appropriate under the unique circumstances as presented by individual patients
- equip students with the confidence to accept supervised clinical responsibilities away from the parent institution
- develop leadership skills which distinguish University of Sydney graduates and contribute to the dental profession, academia and public health service as ambassadors, community educators and promoters of health at community level.

Features of the program

The Doctor of Dental Medicine is based on a full recognition of the greater level of academic maturity and higher level analytical, clinical and communication skills of postgraduate students. This allows for higher order learning with a greater emphasis on independent, self-directed learning. Consequently it is expected that students will achieve quantitatively and qualitatively greater clinical experience.

Important features of the DMD include:

- focusing on the relevance of medical sciences to oral health and to dental practice
- earlier patient-based clinical experience and increased clinical experience to be obtained in clinics in metropolitan, rural and remote areas
- science-based pre-requisite coursework
- utilising contemporary teaching and learning methods aligned to a course at a master’s degree level, with emphasis on electronic resources and learner–centred studies to provide the foundation material/knowledge, supported by tutorials to facilitate understanding and reflection
- development of graduates who consistently display higher-order cognitive skills to synthesise, integrate and translate research and knowledge to communication and clinical skills, and practice dentistry at the highest professional and ethical level
- a defined research component as foundation to an evidence-based approach to professional practise, clearly distinguishing the education from a skills-based approach. Furthermore this will prepare students for higher degree research studies and possible careers in research and/or academia
- the development of leadership skills which distinguish the Sydney graduates and their contribution to the dental profession, academia and public health services
- exposure, either in person or through mentoring, to international oral health activities.
Further information

1. Information about the structure of the course

Year 1
During the first year of the Doctor of Dental Medicine (DMD) program, considerable focus is given to Integrated Life Sciences. The case-based tutorial component requires students to listen to on-line biomedical lectures and attend lectures which focus on dentally relevant medical learning and scenarios. Oral bioscience is presented on the Camperdown campus and this included a Head and Neck anatomy course. Select dentistry-focused learning is provided at the Surry Hills and Westmead campuses. Underpinning Life and Biomedical Sciences knowledge provides a sound base from which students can build further knowledge as their level of sophistication and clinical experience grows. Additionally, time each week is devoted specifically to learning dental skills in a simulated learning environment, predominantly at the Sydney Dental Hospital, including some sessions at the faculty’s other simulation facility at Westmead Hospital. Students learn and practise dental skills and techniques progressively in preparation for patient based clinical training by the middle of the second year. Concurrently, students learn skills to enable them to communicate effectively with patients and colleagues; perform oral hygiene and preventive oral health procedures and promote oral health. Students are also introduced to research. At the commencement of Year 1, students will be introduced to Information Technology and Research Methodology which will equip them to critically review dental literature. This inquiring approach underpins all learning during the entire course.

Year 2
As the students acquire pre-clinical and clinical skills, they will develop personally and professionally, to meet the high standards required to emerge as leaders in the profession. In Year 2, Underpinning Life Science teaching continues and students commence the year with a course in Local Anaesthesia. Simulated learning in restorative and endodontic procedures continues, preparing students for patient-based clinical training from the second semester onwards. Students also rotate between the Sydney Dental Hospital and the Westmead Centre for Oral Health situated at Westmead Hospital.

Year 3
While students are now well prepared to enter the intensive clinical environments of the remainder of the course, simulated learning continues, alongside patient-based training, and by the end of Year 3, students will have experienced a broad range of clinical procedures expected of newly qualified dentists. Academic writing, along with evidence-based research projects are a feature of the research Unit throughout this year. Students will have the opportunity to participate in an electives placement which may occur locally, interstate or overseas. It is an opportunity to prepare for a particular career direction, explore different experiences or enhance skills in particular areas of a student’s choice. Successful completion of an Elective will be recorded on the student transcript.

Year 4
The final year of the Doctor of Dental Medicine commences with an intensive two-week course in advanced restorative techniques, Fixed Prosthodontics and Implantology. Following this, integrated learning activities continue through the presentation of lectures, tutorial sessions, problem based learning and evidence-based practice sessions, majority of their time spent in clinical practice in metropolitan, rural and remote community clinics which imparts a strong sense of the needs of the general Australian population.

2. Units of study making up the course
The Doctor of Dental Medicine is aligned to the oral health care needs of the Australian population on which the “Competencies of the newly graduated dentist” of the Australian Dental Council are based. The content is organised into units of study consisting of defined discipline areas. Each Unit of Study consists of clusters of closely related/cognate disciplines to promote/facilitate the delivery of the degree. While the didactic teaching is discipline based, once students commence patient-based clinical education, disciplines are integrated as students acquire a greater scope of clinical skills.

The units of study are:
- Foundations of Clinical Dentistry A (total 25 credit points)
- Foundations of Clinical Dentistry B (total 21 credit points)
- Integrated Life Sciences (total 44 credit points)
- Research (total 12 credit points)
- Integrated Clinical Dentistry A (total 26 credit points)
- Integrated Clinical Dentistry B (total 29 credit points)
- Integrated Clinical Dentistry C (total 35 credit points)
- Electives (optional zero credit point)

3. Discipline areas covered by the units of study
The following discipline areas are represented within the units of study:
- Cariology
- Clinical Dentistry
- Dental Biomaterials
- Diet and Nutrition
- Endodontics
- Ethics
- Gerodontology
- Implantology
- Life Sciences
- Occlusion
- Oral Radiology
- Oral Pathology and Medicine
- Oral Surgery
- Orofacial Pain
- Orthodontics
- Paediatric Dentistry
- Periodontology
- Population Oral Health
- Professional Practice
Dental Medicine

• Prosthodontics
• Research
• Special Care Dentistry
• Trauma
• Tooth Conservation

Cariology
Cariology introduces the concept of primary care dentistry and provides students with an understanding of the nature of dental caries including its clinical presentation, natural history, epidemiology, determinants, prevention (both primary and non-invasive secondary prevention). Students acquire the skills to apply both primary and non-invasive secondary preventive measures.

Clinical Dentistry
Clinical Dentistry builds on the discipline specific content of the earlier years, to enhance student’s ability to integrate all aspects of patient care within the full range of teaching environments, including metropolitan and rural placements, as well as the main teaching centres of Sydney Dental Hospital and Westmead Centre for Oral Health. The objective is for the student to develop a clear understanding of the scope of specialist services available to patients in each of the disciplines. In light of this, students will learn their limitations in providing aspects of patient care and will know when and where to refer patients for more specialised treatment. Students will also become competent in integrating their knowledge in treatment of medically compromised patients and be able to communicate effectively with a range of health practitioners to ensure the best possible standard of dental care.

Dental Biomaterials
Dental Biomaterials aims to provide students with a sound scientific basis for understanding the intrinsic properties of dental materials and biomaterials. The learning material aims to provide a sound foundation whereby the clinical applications and limitations may be understood.

Diet and Nutrition
Diet and Nutrition is delivered via workshop format and introduces the students to the concept of diet and nutrition in the dental setting and the relationship to dental caries and erosion. It covers the multitude of aspects that influence food choices and addresses the various methods of collecting and assessing dietary data and discusses the tools that can be utilised to assist patients in setting achievable dietary goals.

Endodontics
Endodontics provides students with an understanding of anatomy, histology and physiology of the pulp-dentine complex, the aetiology of pulpal disease and the required treatment. Training commences in the simulation clinic in Year 1 and with students progressing to patient-based experience, first performing endodontic procedures on single canal teeth and in Year 3 and 4 on multi-canal teeth.

Ethics
The Ethics program vertically integrates through all four years of the DMD program. Ethics aims to equip students with a basic understanding of important ethical principles and legal issues that are relevant to the dental profession in Australia. Students will explore key issues associated with clinical practice early on in the course, including topics on healthcare ethics, privacy and confidentiality, consent and refusal of treatment, capacity, civil responsibility, duty of care and negligent conduct. More complex concepts of ethical decision making and resolving ethical dilemmas within the dental settings will be introduced to students as they begin their clinical training in third and fourth year. Various legal issues associated with the practice of dentistry will be explored throughout the course including information rights, professional misconduct and criminal liability. Legal materials such as Commonwealth and State legislation, as well as NSW precedents will be covered.

Gerodontology
Gerodontology teaches students how to render comprehensive oral health care and teach prevention to a dynamic, diverse and rapidly growing elderly population. Students learn the complexity of aging, patient management and the importance of dentistry in total patient care. It covers a wide range of lecture topics, from nutrition and aging to oral cancer and other pathologic lesions of the elderly patient.

Implantology
Implantology introduces students to the application of dental implants in the Integrated Clinics and commences with a preclinical laboratory exercise for a single tooth. Specific treatment planning sessions in collaboration with the OMS guide students through decision making and work-up for single tooth implants and implant-retained overdentures; students assist during surgical and undertake prosthodontic procedures.

Life Sciences
Life Sciences occupies a significant portion of learning in Years 1 and 2 and is incrementally recontextualised by clinically focused units of study as the course progresses. Foundation learning, in addition to relevant online medical lectures are provided by the Sydney Medical School. A hybrid case based learning model is used to assist students to develop understanding of the human organ systems. Dentistry students review information obtained from lectures, in small groups, facilitated by dentistry educators, to gain an integrated understanding of common medical problems and their dental relevance. A unit of oral bioscience is undertaken which, together with general foundation studies, provides the foundation knowledge which strengthens the understanding of, and integration with, the clinical disciplines.

Occlusion
Occlusion provides students with information on the dynamics of the jaw-joint-muscle-tooth system (stomatognathic system), as a dynamic system for function with implications for patients’ function, nutrition and general health. The learning material commences with an introduction to the handling of alginate impression materials, clinical procedures in recording a face bow transfer record and the applications of articulators taught in Years 1 and 2.

Oral Radiology
Oral Radiology guides students in the understanding of all terminology related to Dentomaxillofacial radiology and to gain the ability to apply the theory of physics and radiation biology, projection geometry and film/electronic sensor image acquisition and processing to clinical situations. Students also learn to recognise normal radiographic anatomy and identify abnormalities and pathology. Students practice taking bite wing radiographs of premolars and molars; periapical radiographs of the dentition using paralleling and bisecting angle techniques; film processing technique from the phase of exposure to the finished radiograph, using both conventional silver-halide-based film imaging and digital imaging, together with the accurate mounting of radiographs and recording of patient details. In Year 3 students take and interpret Panoramic and Cephalometric extra-oral radiographs.

Oral Pathology and Medicine
Oral Pathology and Medicine assists students to develop a critical understanding of the maxillofacial and oral diseases as well as systemic diseases with oral manifestations that they may encounter in the course of their professional career and be called upon to diagnose, prevent and treat. The content aims to equip students with the knowledge and skills that will enable them to understand the epidemiology, the aetiology and pathogenesis of conditions that affect the oral and maxillofacial tissues. This will facilitate the diagnosis of the more common oral conditions or to assist students in arriving at a differential diagnosis thereby allowing for correct patient management or referral to relevant specialists for appropriate management.

Oral Radiology
Oral Surgery
Oral Surgery commences in Year 2 with a course in Local Anesthesia and exodontia whereby students are equipped with the appropriate knowledge and practical skills to safely administer local anaesthetics and carry out extraction of teeth. This module is designed to equip students with the necessary knowledge and skills in the principles and practice of surgery. Emphasis is placed both on the technical aspects of surgery, as well as the integration of basic sciences to form the appropriate scientific basis for the clinical practice of surgery. The remainder of the course is presented in an integrated manner with Oral Pathology and Oral Medicine.

Orofacial Pain
Orofacial Pain provides an understanding of the assessment and diagnosis of orofacial pain and temporomandibular disorders. Students gain an understanding of anatomy and physiology of craniofacial structures including the temporomandibular joints, jaw muscles and trigeminal nerve and particularly of the peripheral nerve distribution of the major trigeminal nerve trunks and other cranial nerves, the anatomical relations of the structures they innervate, and their primary central connections.

Orthodontics
Orthodontics introduces students to orthodontics as a dental specialty and an understanding of the role it plays in general dentistry. Students gain an understanding of the concept of normal and malocclusion. Knowledge of craniofacial growth and development is acquired in a coordinated way together with basic histology and embryology to foster an understanding of the aetiology of orthodontic problems. Subsequent to this, students are able to diagnose different malocclusions, obtain and analyse necessary records and formulate a problem list with a tentative treatment plan. Students gain practical experience in the orthodontic diagnosis and treatment planning process on real patients together with practical knowledge of the operation and mode of action of various orthodontic appliances, along with the indications for various appliances. In addition, students acquire an understanding of the common problems and complications associated with orthodontic treatment. Students gain an understanding of the process of comprehensive orthodontic treatment in the management of various malocclusions in different patient age groups, through observing specialists performing such treatment. The management of Obstructive Sleep Apnoea (OSA) and how to diagnose and treat this condition is a further component to student experience in this module.

Paediatric Dentistry
Paediatric Dentistry develops caring and professional dentists who have the basic knowledge and competency to manage paediatric patients in general dental practice and with the ability to maintain and update this knowledge. Teaching will focus on behaviour management, pain control, the management of caries and dental anomalies in paediatric patients, together with oral pathology and the management of paediatric patients with special needs.

Periodontology
Periodontology covers normal anatomy and histology of periodontal tissue, the composition and role of oral biofilm and periodontal disease, the removal of biofilm, classification of periodontal disease and the treatment and periodontal maintenance and supplementary treatment. Students are introduced to this discipline in the simulation clinics in the early stages and develop their skills through patient-based clinical experience throughout the course.

Population Oral Health
Population Oral Health aims to provide students with an understanding of how dental disease impacts on populations with Aboriginal communities, special needs and medically compromised groups, used as specific examples. In addition, the epidemiology of dental caries, periodontal disease and maxillofacial trauma are presented.

Professional Practice
Professional Practice focuses on professional conduct, with the patient's interest as the primary priority, and equips students for successful professional practice. An important component of the teaching is effective communication skills for motivation and behaviour change that would be delivered in close association with primary care dentistry.

Prosthodontics
Prosthodontics in its earliest teaching aims to introduce students to the discipline or oral rehabilitation. The program develops students' skills in the handling of impression and cast materials, taking alginate impressions, and pouring up impressions to produce stone casts. Students are subsequently provided with the knowledge to understand the consequences of tooth loss, replacing missing teeth, types of dentures, and components of partial and full dentures and their function. In Year 3, students are introduced to Fixed Prosthodontics, which aims to provide students with the knowledge and skills related to principles and technique of preparing teeth for full coverage restorations and partial aesthetic restorations ie porcelain veneers, including provisional restorations, shade selection, cementation and clinical outcomes. The program progresses from pre-clinical skills and knowledge development to clinical application in second semester. In addition, students participate in a five day intensive clinical program at the beginning of Year 4 during which, in addition to full gold and ceramo-metal crowns and bridges, each student restores a single tooth with an all-ceramic crown, with in-house processing from pouring the impression, trimming and sectioning the die and Procera scanning.

Research
Research commences in Year 1 by familiarizing students with concepts in epidemiology and research methodology. Students will gain skills in identifying different study types and understanding basic biostatistics. In year 2, students will learn how to document and report a literature search, and use various indices of publication quality. Critical analysis of problems will also be a feature of year 2. In Year 3, students engage in a research project, preparing a draft report on their individual/group research projects by the end of the year. An intensive course on Evidence-Based Dental Practice (EBP) comprises a significant part of year 4 research unit of study. Students will apply EBP principles in developing patient care plans for clinical case scenarios. At the completion of this unit of study students will submit their completed research project report based on feedback following submission of the draft report.

Special Care Dentistry
Special Care Dentistry aims to develop basic knowledge and understanding of common intellectual and physical disabilities, neurodegenerative disorders and mental illnesses. The program aims to develop confidence and competence in the management of the special needs patient with a focus on building rapport, patience and modifications to treatment modalities to provide optimum oral health care. The importance of communication with both patient and care-giver is also highlighted.

Trauma
Trauma is presented collaboratively between the disciplines of Endodontics, Oral Surgery and Paediatric Dentistry. Students learn about the management of minor trauma to the oral hard and soft tissue.

Tooth Conservation
Tooth Conservation covers clinical aspects of tooth conservation including treatment planning and provision of patient treatment for acute care and routine preventive and restorative procedures. This commences early in Year 1 in a simulated learning environment where students are introduced to dental instrumentation and the dental operatory environment, together with simple restorative procedures. Complexity of restorative procedures increases throughout Years 2 and 3, with initial practice of all procedures in the simulation clinic.
Doctor of Dental Medicine

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the ‘Coursework Rule’), the Resolutions of the Faculty, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Course Resolutions

1 Course Codes

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2 Attendance pattern

The attendance pattern for these courses is full time only.

3 Qualification level

The master’s degree in these resolutions is a professional master’s course, as defined by the Coursework Rule.

4 Admission to candidature

1 Available places will be offered to qualified applicants based on merit, according to the following admission criteria.

2 Admission to the Doctor of Dental Medicine requires:

(a) completion of a bachelor degree comprising at least three full-time equivalent years of study from either:

(i) a bachelor degree (pass) accredited at Level 7 under the Australian Qualifications Framework or a bachelor degree (with honours) accredited at Level 8 under the Australian Qualifications Framework from an Australian university or self accrediting higher education institution; or

(ii) a bachelor degree from an overseas university listed in the National Office of Overseas Skills Recognition Guide, provided that the degree is equivalent to an Australian bachelor degree (pass or with honours); and

(b) completion of a human biology or cellular biology subject at University level, of a minimum of one semester’s duration; and

(c) a demonstrated sustained academic performance to a standard considered satisfactory by the Dean or Associate Dean of the Faculty of Dentistry. In assessing sustained academic performance the Dean or Associate Dean may, at his or her discretion, consider performance in the bachelor’s degree(s) and/or performance in any graduate diploma, master or doctoral degree (or equivalent); and

(d) performance in an admissions test approved by the Dean or Associate Dean to a standard considered satisfactory by the Dean or Associate Dean; and

(e) performance in an interview to a standard considered satisfactory by the Dean or Associate Dean; and

(f) demonstrated English language proficiency (a minimum IELTS overall score of at least 7.0, and at least 6.0 in each category).

3 If the bachelor’s degree was completed more than 10 years before 1 January of the year for which the applicant is seeking enrolment, the applicant must, in addition, have completed within this 10 year period, or complete prior to 1 January of the year in which the applicant intends to commence the Doctor of Dental Medicine, a postgraduate degree or postgraduate diploma (or equivalent), which will be either:

(a) a postgraduate degree or postgraduate diploma accredited at Level 8, 9 or 10 under the Australian Qualifications Framework from an Australian university or self-accrediting higher education institution; or

(b) an overseas university listed in the National Office of Overseas Skills Recognition Guide, provided that the postgraduate degree or postgraduate diploma is equivalent to an Australian postgraduate degree or postgraduate diploma accredited at Level 8, 9 or 10 under the Australian Qualifications Framework.

An applicant will not be admitted to candidature for the Doctor of Dental Medicine unless he or she has completed a bachelor degree prior to 1 January of the year in which the applicant intends to commence the Doctor of Dental Medicine.

The official results listed on an applicant’s transcript, and his or her admission test results, will be taken as the awarding standards reached by the applicant, taking due account of illness and misadventure according to the authorities’ policies.

A person who has commenced the Doctor of Dental Medicine in a fee-paying place at the University will not be eligible for admission or transfer to a Commonwealth supported place in the DMD.

In accordance with subclause 49(2), of the University of Sydney (Amendment Act) Rule 1999 (as amended), the selection criteria and selection process for international applicants may differ from those for locals in that:

(a) the Faculty may use a different definition, calibrated to reflect the same standards as for other applicants, of sustained academic performance in the bachelor degree (and/or the postgraduate degree or postgraduate diploma); the Faculty may approve one or more different admissions tests, calibrated to reflect the same standards as for other applicants, for international applicants; the Faculty may approve a different interview process for international applicants; international applicants may be ranked separately to local applicants; the Faculty may set a quota for the number of places in the DMD available to international students.

In recognition of the educational disadvantage associated with rural origin, the Faculty may establish a special admission scheme, subject to the approval of the Academic Board, for applicants who comply with the published definition of being of rural origin. This scheme may:

(a) use a definition of sustained academic performance in the bachelor degree (and/or the postgraduate degree or postgraduate diploma) that differs from, but is calibrated to the same standards as, that applied to other local applicants;

(b) use a definition of satisfactory performance in an admissions test approved by the Faculty of Dentistry that differs from, but is calibrated to the same standards as, that applied to other local applicants;

(c) use a definition of satisfactory performance in an interview approved by the Faculty of Dentistry that differs from, but
is calibrated to the same standards as, that applied to other local applicants;

(d) establish a quota for admitting applicants under the scheme;

(e) rank applicants under the scheme separately from other applicants, or give bonus points to applicants under the scheme, in order to facilitate their ranking against other applicants.

(10) In recognition of the educational disadvantage suffered by Indigenous people, the Faculty may establish a special admission scheme, subject to the approval of the Academic Board, for Indigenous applicants. This scheme may:

(a) use a definition of sustained academic performance in the bachelor degree (and/or the postgraduate degree or postgraduate diploma) that differs from, but is calibrated to the same standards as, that applied to other local applicants;

(b) use a definition of satisfactory performance in an admissions test approved by the Faculty of Dentistry that differs from, but is calibrated to the same standards as, that applied to other local applicants;

(c) use a definition of satisfactory performance in an interview approved by the Faculty of Dentistry that differs from, but is calibrated to the same standards as, that applied to other local applicants;

(d) establish a quota for admitting applicants under the scheme;

(e) rank applicants under the scheme separately from other applicants, or give bonus points to applicants under the scheme, in order to facilitate their ranking against other applicants.

(11) A committee consisting of the Dean and Associate Dean (Learning and Teaching) may confirm or withdraw an offer which has been made to an applicant but which is not in accordance with the admission criteria.

5 Deferment

Deferral of enrolment may be granted under the following circumstances:

(1) progression to Honours, Masters or a PhD;

(2) for completion of 'professional years' such as the pre-registration training period required of Pharmacy graduates.

Otherwise, deferral of an offer will only be considered under exceptional circumstances which could not have been foreseen at the time of application.

6 Requirements for the award

To qualify for the award of the pass degree, a candidate must successfully complete a fixed curriculum of 192 credit points in the order prescribed in the Table of Units of Study: Dental Medicine as described in the Faculty Handbook.

7 Progression rules

Candidates must pass all units of study designated for each year of enrolment and satisfy the requirements of the Professional Practice (PP) Licence, before proceeding to units designated for the subsequent year of study. Failure in any single unit of study results in a failure of the year and requires the candidate to retake the units designated for the entire year, without credit or exemption for work previously completed.

8 Credit for previous study

Credit for previous study will not be granted in this course. However, for medical graduates from Australian and New Zealand medical schools who have graduated in the last 10 years, some aspects of the Integrated Life Sciences theme will be waived. Further details are available in the Faculty of Dentistry Admissions Policy, available in the relevant Faculty Handbook.
# Unit of study table

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<th>C: Corequisites</th>
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Unit of study descriptions for 2015

SDDM5111
Integrated Life Sciences 1
Credit points: 14 Teacher/Coordinator: Dr Munira Xaymardan and Dr Jinlong Gao Session: Semester 1 Classes: Information available on Compass Events Calendar, including lectures, CBL tutorials, seminars, theme sessions and practicals (dissections, projections). Corequisites: SDDM5112, SDDM5113, SDDM5114 Assessment: Medical Sciences: 1 x formative written assessment and 1 x summative written assessment. Oral Biosciences: 1 x written summative assessment. Head and Neck anatomy: 2 x quizzes, 1 x written assessment and 1 x practical assessment Mode of delivery: Normal (lecture/lab/tutorial) day

The year will begin with the foundation of the medical sciences. This will include general Anatomy, general Histology, Infectious Diseases, Physiology, Immunology, general Pathology, Biochemistry, Pharmacology, Embryology and Genetics. Coinciding with these and continuing, there will be courses in Head and Neck Anatomy, Oral Embryology and Histology, Oral Microbiology and Biomaterials. Organ systems in health and disease will then begin including aspects of Skin and Mucosa, Musculoskeletal systems, Respiratory systems, Haematology and Cardiovascular systems. Oral Pathobiology, Dental Biochemistry and Oral Biology will also be introduced.

SDDM5112
Foundations of Clinical Dentistry A1
Credit points: 6 Teacher/Coordinator: Dr Susie Dracopoulos and Dr Michelle Helferian Session: Semester 1 Classes: Information available on Compass Events Calendar, including lectures, tutorials and practical simulation. Corequisites: SDDM5111, SDDM5113, SDDM5114 Assessment: Formative Assessment plus continuous sessional assessment during simulation activities. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit introduces the concepts associated with Professional Practice, Clinical Management and Population Oral Health. It also addresses the morphology, development, eruption and exfoliation of teeth to provide a framework for understanding the structure of primary and permanent teeth. The student will also be introduced to the discipline of Cariology and the prevention and management of the disease of dental caries. The treatment and restoration of advanced carious lesions will be introduced in Tooth Conservation and Endodontics, where the early development of technical skills in the simulation clinic will be supported by didactic teaching sessions.

SDDM5113
Foundations of Clinical Dentistry B1
Credit points: 3 Teacher/Coordinator: Dr Tihana Divnic-Resnic and Prof Gregory Murray Session: Semester 1 Classes: Information available on Compass Events Calendar, including weekly sessions including lectures, tutorials, simulation and clinical practicals and laboratory practicals. Corequisites: SDDM5111, SDDM5112, SDDM5114 Assessment: Formative assessment plus continuous sessional assessment during simulation activities. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study commences with Radiology, where the students are given the opportunity to take and report on radiographs within the simulated learning environment; and to develop diagnostic skills in interpretation of normal anatomical structures and disease. The student is also given an introductory framework to the diagnosis and rehabilitation of patients with tooth loss and diseases of the supporting tissues, namely periodontal diseases. Introductory laboratory and didactic sessions will provide student knowledge on the range of rehabilitation options available to replace lost teeth and bone, including partial and complete dentures, implants and the basic theory of dental occlusion. An introduction to the management of older patients and patients with special needs will also be included.

SDDM5114
Research 1
Credit points: 1 Teacher/Coordinator: Dr Manish Arora and Dr Shanika Nanayakkara Session: Semester 1 Classes: Information available on Compass Events Calendar, including lectures, seminars and computer lab sessions. Corequisites: SDDM5111, SDDM5112, SDDM5113 Assessment: Formative continuous research assignments Mode of delivery: Normal (lecture/lab/tutorial) day

This Unit commences by familiarizing students with the basic concepts in epidemiology and research methodology. Initially, key topics in biostatistics will be introduced and students are expected to apply the statistical concepts in real-life scenarios in order to analyse the information provided. Students will gain skills in identifying different study types and understanding basic biostatistics.

SDDM5121
Integrated Life Sciences 2
Credit points: 12 Teacher/Coordinator: Dr Munira Xaymardan and Dr Jinlong Gao Session: Semester 2 Classes: Information available on Compass Events Calendar, including lectures, CBL tutorials, seminars, theme sessions and practicals. Corequisites: SDDM5122, SDDM5123, SDDM5124 Assessment: Medical Sciences: 1 x summative written assessment covering entire year content. Oral Biosciences: 1 x written summative assessment covering entire year. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study continues from semester one. Refer to semester one description.

SDDM5122
Foundations of Clinical Dentistry A2
Credit points: 6 Teacher/Coordinator: Dr Susie Dracopoulos and Dr Michelle Helferian Session: Semester 2 Classes: Information available on Compass Events Calendar, including lectures, CBL tutorials, seminars, theme sessions and practicals. Corequisites: SDDM5121, SDDM5123, SDDM5124 Prohibitions: SDDM5111, SDDM5112, SDDM5113, SDDM5117 Assessment: 1x assignment in Population Oral Health; 2 x practical assessments in Tooth Conservation and Endodontics; 1 x written summative assessment (OSCA / SBA) in Cariology, Professional Practice, Tooth Conservation, Tooth Morphology and Endodontics; continuous assessment during practical sessions. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study continues from semester one. Refer to semester one description.

SDDM5123
Foundations of Clinical Dentistry B2
Credit points: 4 Teacher/Coordinator: Dr Tihana Divnic-Resnic and Prof Gregory Murray Session: Semester 2 Classes: Information available on Compass Events Calendar, including lectures, tutorials, simulation and clinical practicals and laboratory practicals. Corequisites: SDDM5121, SDDM5122, SDDM5124 Assessment: 1x summative written assessment (OSCA / SBA) in Periodontics, Prosthodontics, Paediatric Dentistry and Radiology; 2 x summative practical assessments in Radiology and Periodontics and continuous sessional assessment during practical sessions. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study continues on from semester one and also introduces the disciplines of Orthodontics and Paediatric Dentistry. It aims to provide a thorough understanding of the science of craniofacial biology and its relevance to the development of normal and abnormal craniofacial growth and development, and to the prevention, interception and correction of dentofacial abnormalities by orthodontic means. It also aims to introduce a theoretical basis for the ethical clinical practice of dentistry for children and adolescents through engagement with and critical analysis of the current body of literature. This unit of study continues from semester one. Refer to semester one description.

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SDDM5124 Research 2
Credit points: 2 Teacher/Coordinator: Dr Manish Arora and Dr Shanika Nanayakkara Session: Semester 2 Classes: Information available on Compass Events Calendar, including lectures, tutorials and practicals. Corequisites: SDM5121, SDM5122, SDM5123 Assessment: 1 x literature review, 1 x research proposal and 1 x summative written exam. Mode of delivery: Normal (lecture/lab/tutorial) day
This unit of study continues from semester one. Refer to semester one description.

SDDM5211 Integrated Life Sciences 3
Credit points: 10 Teacher/Coordinator: Dr Munira Xaymardan and Dr Jinjong Gao Session: Semester 1 Classes: Information available on Compass Events Calendar, including lectures, CBL tutorials, seminars, theme sessions and practicals. Prerequisites: SDM5111, SDM5112, SDM5113, SDM5114, SDM5121, SDM5122, SDM5123, SDM5124, SDM5111, SDM5112, SDM5113, SDM5114, SDM5116, SDM5117, SDM5121, SDM5122, SDM5123, SDM5124, SDM5125, SDM5126, SDM5127 Corequisites: SDM5212, SDM5213, SDM5214 Assessment: Summative written assessments in Medical Sciences. Mode of delivery: Normal (lecture/lab/tutorial) day
Organ systems in health and disease will continue including Neurosciences, Endocrine systems, Gastrointestinal systems, Renal systems, Nutrition and Oncology. More advanced aspects of Oral Pathobiology, Dental Biochemistry and Oral Biology will be covered to support understanding of the clinical disciplines.

SDDM5212 Foundations of Clinical Dentistry A3
Credit points: 8 Teacher/Coordinator: Dr Susie Dracopoulos and Dr Michelle Session: Semester 1 Classes: Information available on Compass Events Calendar including lectures, tutorial and practicals. Prerequisites: SDM5111, SDM5112, SDM5113, SDM5114, SDM5121, SDM5122, SDM5123, SDM5124, SDM5111, SDM5112, SDM5113, SDM5114, SDM5116, SDM5117, SDM5121, SDM5122, SDM5123, SDM5124, SDM5125, SDM5126, SDM5127 Corequisites: SDM5211, SDM5213, SDM5214 Assessment: 2 x practical assessments in Tooth Conservation and Endodontics; 1 x written assessment (OSCA / SBA) in Cariology, Diet and Nutrition, Professional Practice, Tooth Conservation and Endodontics; continuous sessional assessment during practical and clinical sessions. Mode of delivery: Normal (lecture/lab/tutorial) day
This unit will build on Year 1 to prepare students for patient care. The management and restoration of dental caries will be further developed with an introduction to primary care clinical practice and integrated treatment planning. Didactic and simulated practical sessions will develop the students understanding of more complex clinical presentations of Tooth Conservation and Endodontics. The student will further develop an understanding of anxiety, pain, phobias, anger and stress and the application of appropriate behavioural strategies. Population Oral Health aspects will be presented in a broader context.

SDDM5213 Foundations of Clinical Dentistry B3
Credit points: 7 Teacher/Coordinator: Dr Tihana Divnic-Resnik and Prof Gregory Murray Session: Semester 1 Classes: Information available on Compass Events Calendar, including lectures, tutorials and practicals. Prerequisites: SDM5111, SDM5112, SDM5113, SDM5114, SDM5121, SDM5122, SDM5123, SDM5124, SDM5111, SDM5112, SDM5113, SDM5114, SDM5116, SDM5117, SDM5121, SDM5122, SDM5123, SDM5124, SDM5125, SDM5126, SDM5127 Corequisites: SDM5211, SDM5212, SDM5213, SDM5214 Assessment: 1 x Required Competency Assessment in Local Anaesthesia; 1 x Required Formative Assessment in Radiology and continuous sessional assessments during simulation and clinical activities. Mode of delivery: Normal (lecture/lab/tutorial) day
This unit builds on the fundamental concepts and procedures covered in year 1 to provide the important clinical procedures involved in prosthodontics, implants and denture construction. This unit also provides students with more advanced information and the fundamentals of diagnosis and management of periodontal disease. The foundations of Radiology and Paediatric Dentistry are further developed and an Orthodontic preclinical session enhances basic clinical skills. Oral Surgery is introduced and integrates head and neck anatomy with the principles and procedures associated with routine dental and oral surgical procedures, as well as pain management.

SDDM5214 Research 3
Credit points: 1 Teacher/Coordinator: Dr Manish Arora and Dr Shanika Nanayakkara Session: Semester 1 Classes: Information available on Compass Events Calendar, including lectures and tutorials. Prerequisites: SDM5111, SDM5112, SDM5113, SDM5114, SDM5121, SDM5122, SDM5123, SDM5124, SDM5125, SDM5111, SDM5112, SDM5113, SDM5114, SDM5115, SDM5116, SDM5117, SDM5122, SDM5123, SDM5124, SDM5125, SDM5126, SDM5127 Corequisites: SDM5211, SDM5212, SDM5213 Assessment: 1 x assignment Mode of delivery: Normal (lecture/lab/tutorial) day
In year 2, students will start working with library resources including practical sessions on conducting literature searches, retrieving and managing information. Students will receive instruction on conducting a literature search for systematic reviews and be able to contrast these from traditional/narrative literature reviews. Students will also learn how to document and report a search, and use various indices of publication quality (impact factors, citation reports). Problem and solution sessions start during the second year. In these sessions, researchers from the Faculty of Dentistry will present key research topics followed by critical analysis of the problem and research methodologies followed to find a solution. Students will be divided into several study groups and start critical analysis of presented problems appraising study designs and available research evidence.

SDDM5221 Integrated Life Sciences 4
Credit points: 8 Teacher/Coordinator: Dr Munira Xaymardan and Dr Jinjong Gao Session: Semester 2 Classes: Information available on Compass Events Calendar, including lectures, CBL tutorials, seminars, theme sessions and practicals. Prerequisites: SDM5111, SDM5112, SDM5113, SDM5114, SDM5115, SDM5116, SDM5117, SDM5121, SDM5122, SDM5123, SDM5124, SDM5125, SDM5126, SDM5127 Corequisites: SDM5221, SDM5222, SDM5223, SDM5224 Assessment: 2 x written assessments in Medical Sciences, 1 x written assessment in Oral Biological Sciences Mode of delivery: Normal (lecture/lab/tutorial) day
This unit of study continues from semester one. Refer to semester one description.

SDDM5222 Foundations of Clinical Dentistry A4
Credit points: 7 Teacher/Coordinator: Dr Susie Dracopoulos and Dr Michelle Session: Semester 2 Classes: Information available on Compass Events Calendar, including lectures, tutorials, seminars and practicals. Prerequisites: SDM5111, SDM5112, SDM5113, SDM5114, SDM5121, SDM5122, SDM5123, SDM5124, SDM5125, SDM5126, SDM5127 Corequisites: SDM5221, SDM5222, SDM5223, SDM5224 Assessment: 1 x written exam in Tooth Conservation, Endodontics, Cariology, Professional Practice and Diet & Nutrition (OSCA / SBA); 1 x assignment in Population Oral Health; 1 x practical assessment in Endodontics and continuous sessional assessment of practical and clinical sessions. Mode of delivery: Normal (lecture/lab/tutorial) day
This unit of study continues from semester one and introduces students to integrated clinical practice. Refer to semester one description.

SDDM5223 Foundations of Clinical Dentistry B4
Credit points: 7 Teacher/Coordinator: Dr Tihana Divnic-Resnik and Prof Gregory Murray Session: Semester 2 Classes: Information available on Compass Events Calendar, including lectures, tutorials, seminars and practicals. Prerequisites: SDM5111, SDM5112, SDM5113, SDM5114, SDM5121, SDM5122, SDM5123, SDM5124, SDM5111, SDM5112, SDM5113, SDM5114, SDM5115, SDM5116, SDM5117, SDM5121, SDM5122, SDM5123, SDM5124, SDM5125, SDM5126, SDM5127 Corequisites: SDM5221, SDM5222, SDM5223, SDM5224 Assessment: 2 x written assessments (OSCA / SBA) in Radiology, Local Anaesthesia / Oral Surgery, Orthodontics, Periodontics, Prosthodontics, Occlusion, Implants and Paediatric Dentistry; 1 x practical assessment (simulated and clinical) in Periodontics and continuous sessional assessment of practical and clinical sessions. Mode of delivery: Normal (lecture/lab/tutorial) day
This unit of study continues from semester one. Refer to semester one description.

SDDM5224
Research 4
Credit points: 2
Teacher/Coordinator: Dr Shanika Nanayakkara
Session: Semester 2
Classes: Information available on Compass Events Calendar, including lectures and tutorials. Prerequisites: SDDM5111, SDDM5112, SDDM5113, SDDM5114, SDDM5121, SDDM5122, SDDM5123, SDDM5124, SDDM5111, SDDM5112, SDDM5113, SDDM5114, SDDM5116, SDDM5117, SDDM5121, SDDM5122, SDDM5123, SDDM5124, SDDM5125, SDDM5126, SDDM5127
Corequisites: SDDM5221, SDDM5222, SDDM5223
Assessment: 1 x written exam
Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study continues from semester one. Refer to semester one description.

SDDM5315
Integrated Clinical Dentistry A1
Credit points: 6
Teacher/Coordinator: Dr Judith Werner and Wendy Currie
Session: Semester 1
Classes: Information available on Compass Events Calendar, including lectures, tutorials and practicals. Prerequisites: SDDM5211, SDDM5212, SDDM5213, SDDM5214, SDDM5221, SDDM5222, SDDM5223, SDDM5224, SDDM5221, SDDM5223, SDDM5224, SDDM5225, SDDM5226, SDDM5227
Corequisites: SDDM5314, SDDM5316, SDDM5317
Assessment: 1 x integrated written exam, 1 x media liaison assignment, continuous sessional assessment of clinical sessions and mentor reports.
Mode of delivery: Normal (lecture/lab/tutorial) day

This unit provides students with the necessary skills to expand their treatment planning skills for patients in a general dental practice situation, using non-invasive primary and secondary preventive strategies and to undertake the management of patients presenting in pain. Students will build on their initial clinical experience by expanding the complexity of cavities and range of materials used in their treatment of patients. The foundations of Endodontics will be deepened and broadened to include advanced concepts. Complementary to the clinical work, behavioural science learning topics will increase their understanding of children and adolescents and media liaison for professional dental practice. Population Oral Health will broaden their knowledge of primary dental care and ethical practice.

Preparation of elective proposal including acquisition of elective and academic supervisor. Students will have opportunity to develop skills in leadership.

SDDM5316
Integrated Clinical Dentistry B1
Credit points: 7
Teacher/Coordinator: A/Prof Ayman Ellakwa and Prof Gregory Murray
Session: Semester 1
Classes: Information available on Compass Events Calendar, including lectures, tutorials and practicals. Prerequisites: SDDM5211, SDDM5212, SDDM5213, SDDM5214, SDDM5221, SDDM5222, SDDM5223, SDDM5224, SDDM5225, SDDM5226, SDDM5227
Corequisites: SDDM5314, SDDM5315, SDDM5317
Assessment: 1 x integrated written exam
Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study will introduce students to the management of common denture-related problems frequently encountered in practice and includes repairs and reline procedures. More advanced rehabilitation procedures involving overdentures will also be introduced as well as the fundamental theoretical and technical framework for fixed prosthodontics. The crucial importance of the supporting soft and hard tissues will be emphasised by intensive exposure to diagnosis and management of common periodontal diseases with a focus on non-surgical periodontal therapy. This unit also aims to provide the student with the practical application of orthodontic diagnosis and treatment planning of simple malocclusions and interceptive cases. The learning sessions in Paediatric Dentistry will include restorative options (including Pulp Therapy), medically compromised patients, Syndromes and clefts, and caries.

SDDM5317
Integrated Clinical Dentistry C1
Credit points: 10
Teacher/Coordinator: Dr Stephen Cox and Dr Stuart McEachen
Session: Semester 1
Classes: Information available on Compass Events Calendar, including lectures, tutorials and practicals. Prerequisites: SDDM5211, SDDM5212, SDDM5213, SDDM5214, SDDM5221, SDDM5222, SDDM5223, SDDM5224, SDDM5211, SDDM5212, SDDM5213, SDDM5214, SDDM5215, SDDM5216, SDDM5217, SDDM5221, SDDM5222, SDDM5223, SDDM5224, SDDM5225, SDDM5226, SDDM5227
Corequisites: SDDM5314, SDDM5315, SDDM5316
Mode of delivery: Normal (lecture/lab/tutorial) day

Integrated Clinical Dentistry C1 will be focused on clinical experiences of Human Disease in Dentistry. This will cover more advanced concepts and will be delivered through symposia, problem solving exercises and recorded lectures.

SDDM5314
Research 5
Credit points: 1
Teacher/Coordinator: Dr Ramin Farahani
Session: Semester 1
Classes: Information available on Compass Events Calendar, including lectures, tutorials and practicals. Prerequisites: SDDM5211, SDDM5212, SDDM5213, SDDM5214, SDDM5221, SDDM5222, SDDM5223, SDDM5224, SDDM5225, SDDM5226, SDDM5227
Corequisites: SDDM5315, SDDM5316, SDDM5317
Assessment: 1 x assignment
Mode of delivery: Normal (lecture/lab/tutorial) day

In Year 3, students commence engagement in a research project. At the completion of this unit of study, students present a draft report on their individual/group research projects. An important aim of this unit of study is to foster an evidence-based approach to clinical practice and strong inquisitive approach to learning throughout the course.

SDDM5324
Research 6
Credit points: 2
Teacher/Coordinator: Dr Ramin Farahani
Session: Semester 2
Classes: Information available on Compass Events Calendar, including lectures, tutorials and practicals. Prerequisites: SDDM5211, SDDM5212, SDDM5213, SDDM5214, SDDM5221, SDDM5222, SDDM5223, SDDM5224, SDDM5225, SDDM5226, SDDM5227
Corequisites: SDDM5325, SDDM5326, SDDM5327
Assessment: 1 x written exam
Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study will build on the foundations of semester one. Refer to semester one description.

SDDM5325
Integrated Clinical Dentistry A2
Credit points: 5
Teacher/Coordinator: Dr Judith Werner and Wendy Currie
Session: Semester 2
Classes: Information available on Compass Events Calendar, including lectures, tutorials and practicals. Prerequisites: SDDM5211, SDDM5212, SDDM5213, SDDM5214, SDDM5221, SDDM5222, SDDM5223, SDDM5224, SDDM5225, SDDM5226, SDDM5227
Corequisites: SDDM5324, SDDM5325, SDDM5326
Assessment: 2 x integrated written assessments; 1 x case presentation; 1 x Required Competency Assessment in Endodontics; 2 x assignment in Population Oral Health and Nutrition; 1 x group report of a Kindergarten visit; continuous sessional assessment of clinical sessions and mentor reports.
Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study will build on the foundations of semester one. Refer to semester one description.

SDDM5326
Integrated Clinical Dentistry B2
Credit points: 7
Teacher/Coordinator: A/Prof Ayman Ellakwa and Prof Gregory Murray
Session: Semester 2
Classes: Information available on Compass Events Calendar Prerequisites: SDDM5211, SDDM5212, SDDM5213, SDDM5214, SDDM5221, SDDM5222, SDDM5223, SDDM5224, SDDM5225, SDDM5226, SDDM5227
Corequisites: SDDM5324, SDDM5325, SDDM5327
Assessment: 2 x written assessment in Fixed Prosthodontics; 1 x assignment in Paediatric Dentistry; 1 x OSCA in
Paediatric Dentistry; continuous sessional assessment of clinical sessions and mentor reports. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study will build on the foundations of semester one. Refer to semester one description.

SDDM5327
Integrated Clinical Dentistry C2
Credit points: 10
Teacher/Coordinator: Dr Stephen Cox and Dr Stuart McEachen
Session: Semester 2 Classes: Information available on Compass Events Calendar, including lectures, tutorials and practicals. Prerequisites: SDDM5311, SDDM5312, SDDM5313, SDDM5314, SDDM5321, SDDM5322, SDDM5323, SDDM5324, SDDM5325, SDDM5326, SDDM5327 Corequisites: SDDM5324, SDDM5325, SDDM5326 Assessment: 1 x written assessment in Oral Surgery, Conscious Sedation, Oral Pathology and Oral Medicine; 1 x Oral Surgery Short Case; 1 x Viva Voce; 1 x Residency Report and continuous sessional assessment in Radiology and Integrated Clinics. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study will build on the foundations of semester one. Refer to semester one description.

SDDM5328 Electives 1
Teacher/Coordinator: Mrs Robyn Watson
Session: Semester 2 Classes: Undertaken in an environment approved by the Coordinator or Delegate. Prerequisites: Year 2 of DMD Assessment: Completion of appropriate documentation. Mode of delivery: Field experience

The Elective option offers students an opportunity to undertake supervised experience in community dentistry. The placement may occur locally, interstate or overseas. It is an opportunity to prepare for a particular career direction, explore different experiences or enhance skills in particular areas of a student’s choice. Students organise their own Elective, but if advice or assistance is needed students can contact the Academic Elective Coordinator. Successful completion of this unit will be recorded on the student transcript.

SDDM5414 Research 7
Credit points: 3
Teacher/Coordinator: Dr Ramin Farahani
Session: Semester 1 Classes: Information available on Compass Events Calendar. Prerequisites: SDDM5314, SDDM5315, SDDM5316, SDDM5317, SDDM5324, SDDM5325, SDDM5326, SDDM5327 Corequisites: SDDM5415, SDDM5416, SDDM5417 Assessment: 1 x assignment Mode of delivery: Normal (lecture/lab/tutorial) day

An intensive course on Evidence-Based Dental Practice (EBP) comprises a major part of year 4 research unit of study. Students will apply EBP principles in developing patient care plans for clinical case scenarios. Clinical scenarios will be provided and the student are expected to apply the skills obtained during the first three years to critically analyse the scenarios and develop a management strategy based on evidences available. At the completion of this unit of study students will submit their completed research project report based on feedback following submission of the draft report.

SDDM5415 Integrated Clinical Dentistry A3
Credit points: 7
Teacher/Coordinator: Dr Judith Werner and Wendy Currie
Session: Semester 1 Classes: Information available on Compass Events Calendar, including lectures, tutorials and practicals. Prerequisites: SDDM5314, SDDM5315, SDDM5316, SDDM5317, SDDM5324, SDDM5325, SDDM5326, SDDM5327 Assessment: 1 x written exam and continuous sessional assessment of clinical sessions. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit provides students with training to allow a broader scope of patient care including the knowledge and skills the necessary to perform more advanced restorative procedures and aesthetic dentistry techniques; the provision of complex endodontic procedures, including acute presentations, and the knowledge and application of clinical preventive techniques. Complementary to the clinical work, behavioural science learning topics will focus on management strategies for difficult patients, ageing patients, patients with special needs and communication impairment. The Population Oral Health component

is designed to broaden the students’ perspectives on the oral health of different population groups.

SDDM5416 Integrated Clinical Dentistry B3
Credit points: 7
Teacher/Coordinator: A/Prof Ayman Ellakwa and Prof Gregory Murray
Session: Semester 1 Classes: Information available on Compass Events Calendar. Prerequisites: SDDM5314, SDDM5315, SDDM5316, SDDM5317, SDDM5324, SDDM5325, SDDM5326, SDDM5327 Assessment: 1 x integrated written exam and continuous sessional assessment of clinical sessions. Mode of delivery: Normal (lecture/lab/tutorial) day

This unit of study aims to increase the students’ understanding of the prosthetic rehabilitation of patients with complete, partial or immediate dentures, including implant over-dentures, denture maintenance and repair; provision of indirect partial inlays and onlays and full coverage crowns, bridges and implants; treatment and maintenance of patients with moderate to severe periodontitis, peri-implantitis, periodontal surgery, and predicting the prognosis of periodontally involved teeth.

The unit further aims to develop an understanding of behaviour management and pain control for paediatric patients; the provision of care for paediatric patients including those who are medically compromised, recognising and managing developmental anomalies; understanding the knowledge and scope of orthodontics carried out by general practitioners and diagnosis and treatment of obstructive sleep apnoea.

SDDM5417 Integrated Clinical Dentistry C3
Credit points: 7
Teacher/Coordinator: Dr Stephen Cox and Dr Stuart McEachen
Session: Semester 1 Prerequisites: SDDM5314, SDDM5315, SDDM5316, SDDM5317, SDDM5324, SDDM5325, SDDM5326, SDDM5327 Assessment: 1 x written assessment. 1 x Viva Voce and continuous sessional assessment in Clinical sessions. Mode of delivery: Normal (lecture/lab/tutorial) day

Learning in Oral Pathology and Oral Medicine builds upon earlier material and will assist students to develop a critical understanding of the maxillofacial and oral diseases as well as systemic diseases with oral manifestations that may be encountered in the course of their professional career and be called upon to diagnose, prevent and treat. The course in Oral Surgery further prepares the student for surgical procedures beyond the level of skill acquired in earlier years, and exposes the student to the hospital setting and observing advanced surgical procedures. Study in conscious sedation develops deeper understanding of sedation techniques as well as of medical emergency and life support. The course content of Special Care Dentistry aims to develop the students’ knowledge and skills to manage patients with special needs, including intellectual and physical disabilities, mental illnesses, neurodegenerative disorders and frail/elderly patients.

SDDM5418 Electives 2
Teacher/Coordinator: Mrs Robyn Watson
Session: Semester 1 Classes: Undertaken in an environment approved by the Coordinator or Delegate. Prerequisites: SDDM3628 Assessment: Completion of appropriate documentation. Mode of delivery: Normal (lecture/lab/tutorial) day

The Elective option offers students an opportunity to undertake supervised experience in community dentistry. The placement may occur locally, interstate or overseas. It is an opportunity to prepare for a particular career direction, explore different experiences or enhance skills in particular areas of a student’s choice. Students organise their own Elective, but if advice or assistance is needed students can contact the Academic Elective Coordinator. Successful completion of this unit will be recorded on the student transcript.

SDDM5425 Integrated Clinical Dentistry A4
Credit points: 8
Teacher/Coordinator: Dr Judith Werner and Wendy Currie
Session: Semester 2 Classes: Information available on Compass Events Calendar, including lectures, tutorials and practicals. Prerequisites: SDDM5314, SDDM5315, SDDM5316, SDDM5317, SDDM5324, SDDM5325, SDDM5326,
SDDM5327 **Assessment:** 2 x integrated written assessments; 1 x integrated OSCA; 1 x integrated oral comprehensive assessment, and continuous sessional assessment of clinical sessions. This unit of study continues from semester one. Refer to semester one description. **Mode of delivery:** Normal (lecture/lab/tutorial) day

This unit of study continues from semester one. Refer to semester one description.

**SDDM5426**
**Integrated Clinical Dentistry B4**
**Credit points:** 8  
**Teacher/Coordinator:** A/Prof Ayman Ellakwa and Prof Gregory Murray  
**Session:** Semester 2  
**Classes:** Information available on Compass Events Calendar.  
**Prerequisites:** SDDM5314, SDDM5315, SDDM5316, SDDM5317, SDDM5324, SDDM5325, SDDM5326, SDDM5327  
**Assessment:** 2 x written assessments; 1 x integrated OSCA; 1 x integrated oral comprehensive assessment and continuous sessional assessment of clinical sessions. **Mode of delivery:** Normal (lecture/lab/tutorial) day

This unit of study continues from semester one. Refer to semester one description.

**SDDM5427**
**Integrated Clinical Dentistry C4**
**Credit points:** 8  
**Teacher/Coordinator:** Dr Stephen Cox and Dr Stuart McEachen  
**Session:** Semester 2  
**Classes:** Information available on Compass Events Calendar.  
**Prerequisites:** SDDM5314, SDDM5315, SDDM5316, SDDM5317, SDDM5324, SDDM5325, SDDM5326, SDDM5327  
**Assessment:** 2 x written assessments, 1 x Viva Voce and continuous sessional assessment in the Clinics. **Mode of delivery:** Normal (lecture/lab/tutorial) day

This unit of study continues from semester one. Refer to semester one description.
Overview

(Students apply through School of Public Health, Sydney Medical School)

Candidates wishing to pursue a program in Population Oral Health begin by completing the Master of Public Health (MPH) or the Master of International Public Health (MIPH) degree through the School of Public Health, Faculty of Medicine (see sydney.edu.au/medicine/public-health).

Students must include in their degree the three dental elective units of study listed. Upon successful completion of the MPH or MIPH, students may then be able to proceed to study a research degree that will fulfil the requirement of specialisation by the Australian Dental Board.

Further information

For further information about this program see the Faculty of Dentistry website at: sydney.edu.au/dentistry/student/postgrad.php

Information about this program can also be found in Sydney Medical School handbook.

Table of units of study: Population Oral Health

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<tr>
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Unit of study descriptions

DENT5013 Preventative Dentistry

Credit points: 6 Teacher/Coordinator: Associate Professor Wendell Evans

Session: Semester 2 Classes: 30hrs consisting of 10x(1hr lecture/seminar and 2hr tutorial) Prerequisites: ((PUBH5010 or CEPIS100) and PUBH5018) or DENT6000 Assessment: individual written assignments (70%), tutorial discussion and group-work participation (30%) Mode of delivery: Normal (lecture/lab/tutorial) day

To provide students with sufficient background and appreciation of the importance of preventive dentistry and oral health promotion and to provide them with the opportunity to develop skills and acquire essential knowledge in this field for the effective practice of population oral health. The following topics will be covered: principles of prevention; oral diseases and conditions of public health concern - a review; the epidemiology of the common oral problems; prevention of dental caries; prevention of periodontal disease; prevention of other diseases of oral health concern; evidence-based preventive dental care; principles of health education, health protection, and oral health promotion; and analysis of health education and oral health promotion initiatives. On the completion of this unit of study, the student will be able to: understand the efficacy and effectiveness of risk reduction strategies in relation to the common oral problems and conditions; select interventions and strategies for the prevention and control of oral disease and the promotion of oral health; and understand the limitations of health education and the potential for oral health improvement through effective oral health promotion strategies.

Textbooks


DENT5014 Dental Health Services

Credit points: 6 Teacher/Coordinator: Dr Amit Arora Session: Semester 2 Classes: 30hrs consisting of 10x(1hr lecture/seminar and 2hr tutorial) Prerequisites: PUBH5018 and (PUBH5010 or CEPIS100) Assessment: individual written assignments (70%), tutorial discussion and group-work participation (30%) Mode of delivery: Normal (lecture/lab/tutorial) day

To provide students with sufficient background and appreciation of the role and scope of dental health services within health care and to provide them with the opportunity to develop skills and acquire essential knowledge in this field for the effective practice of population oral health. The following topics will be covered: dental services in the twenty first century; the primary health care approach; assessment of the role of Western Dentistry (the limits of conventional dentistry); the limitations of a “high-risk” approach for the prevention of dental caries; the common risk factor approach: a rational basis for promoting oral health and strategies for developing oral health care programs in deprived communities; priorities in oral health care services; review of the Save our Kids Smiles program in New South Wales; the prevention of social inequalities in oral health; adult access to dental care in Australia; and ethnic indicators of dental health schoolchildren resident in areas of multiple deprivation. On the completion of this unit of study, students will be able to: understand the principles governing primary health care; understand the principles governing the delivery and management of dental services; and develop resources and implement and manage appropriate dental services for populations.

Textbooks


DENT5015 Population Oral Health

Credit points: 6 Teacher/Coordinator: Dr Shanti Sivaneswaran Session: Semester 2 Classes: 30hrs consisting of 10x(1hr lecture/seminar and 2hr tutorial) Prerequisites: PUBH5010 or CEPIS100 or SUST5004 Assessment: individual written assignments (80%), tutorial discussion and group-work participation (20%) Mode of delivery: Normal (lecture/lab/tutorial) day
To provide students with sufficient background and appreciation of the importance of population oral health and to provide them with the opportunity to develop skills and acquire essential knowledge in this field for the effective practice of population oral health. This unit focuses on the determinants of oral health and the importance of upstream measures to attack the root cause of oral diseases and the planning, implementing and evaluating of these approaches. The following topics will be covered: principles of population health approach, planning and policy framework for population oral health, the changing profile oral health and patterns of oral health care; water fluoridation (including legislation, benefits/risks, the politics of fluoridation, the arguments for and against water fluoridation, how to respond to antifluoridationists; how to promote and extend water fluoridation.), overview of policies and initiatives regarding dental services - the example of New South Wales; and oral health workforce and emerging workforce issues. On the completion of this unit of study students should be able to demonstrate ability to design/develop, implement and evaluate population based oral health programs to improve overall oral health and reduce inequalities in oral health.

Textbooks
Recommended Reading:
What options do we have for organising, providing and funding better public dental care?
What is a research degree?
Research degrees are very different from coursework degrees in that the majority of work is self-directed study with supervision by a group of academics, working on a project that aims to make an original contribution to knowledge. Some degrees require a limited amount of coursework, but at least two thirds of the degree must be by research for the degree to be considered a higher degree by research.

Apart from any required coursework, the assessment of a research degree is through the examination of a thesis written by the student. The thesis is sent to a group of examiners and their recommendations form the basis for the outcome of the examination.

The three research degrees currently offered by the Faculty of Dentistry are the Master of Philosophy, the Doctor of Philosophy and the Doctor of Dental Science.

Governance, including the resolutions, or reference to where the resolutions for the postgraduate degrees by research can be found, are covered in this chapter. The information in this chapter provides a summary and is subordinate to the provisions of relevant degree resolutions.

Financial information about research degrees
Domestic students enrolled in the research degree programs such as the PhD or MPhil are financially covered under the Research Training Scheme (RTS) and are fee and HECS exempt provided these degrees are completed within a prescribed timeframe - eight (8) full-time semesters for a PhD and four (4) full-time semesters for a MPhil or their part-time equivalents (16 semesters and 8 semesters respectively). Students will be required to pay the University’s Student Union Fees upon enrolment.

International students enrolled in research degree programs are required to pay up-front tuition fees to the University.

There are a number of scholarships available for domestic students to assist with living costs, and a limited number for international students.

Information about University-wide scholarships for domestic and international students can be found at sydney.edu.au/scholarships/research

The scholarships database at www.jason.edu.au also provides information on scholarships for both domestic and international students.

Further information for research students
Research support information relevant to research students can be found on The University Research Office Research Support website at sydney.edu.au/research_support/students/

Theses: production and examination
Before commencing writing up their thesis, students are strongly urged to read The Thesis Guide published by the Sydney University Postgraduate Representative Association (SUPRA), which can be found on the SUPRA website http://www.supra.net.au/supra_publications.html.

Details on submitting a thesis for research degrees other than the DDSc can be found on the Faculty of Medicine’s website sydney.edu.au/medicine/current-students/essential-information/research-students/submit-thesis.php

This website covers such information as options for thesis submission, timing of thesis submission, selection of examiners, types of thesis examination, preparing for submission of the thesis, the examination process, possible examination outcomes, appeals, deferment of public availability of theses, submission of corrected thesis and continuation of borrowing privileges after submission of the thesis.
The Doctor of Dental Science (DDSc) is a higher doctorate, awarded by published work which, in the opinion of examiners and the Faculty of Dentistry, has been generally recognised by scholars in the particular field of expertise as a distinguished contribution to knowledge.

The DDSc, unlike the Doctor of Philosophy (PhD), is not a research training degree. It may be described as an award that one would receive at the end of one's career, rather than the beginning, for an outstanding contribution to knowledge.

Eligibility
To be eligible for admission, the applicant must:

- hold a degree from the University that was conferred five or more years prior to the application date; or
- hold a degree from another university or institution that was conferred five or more years prior to the application date; or
- have qualifications that were conferred five or more years prior to the application date and standing that are determined by the faculty and by the Graduate Studies Committee to be equivalent to holding a degree from the University; and
- hold or have completed all the academic requirements for the award of the Bachelor of Dental Surgery.

To be eligible for admission to candidature, an applicant who does not meet the requirements above must:

- have been a full-time member of the academic staff of the University for at least three years (or pro-rata part-time); or
- be recognised by the Academic Board, on the recommendation of the Dean, to have been involved in the teaching and research of the University to an equivalent level; or
- be recognised by the faculty and the Graduate Studies Committee to have equivalent academic standing.

Published works
Published work submitted for examination may be regarded as a distinguished contribution to knowledge if:

- it represents a significant advance in knowledge in its chosen field, or
- 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
- 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.

There is no set number of publications an applicant must have to be awarded the degree. The Assessment Committee and the Examiners will be asked to judge the work on its quality and based on the criteria stated above, rather than on the quantity of the papers.

Further information
An application form can be requested from: Ria Deamer

The Rules governing Higher Doctorates, University of Sydney (Higher Degree by Research) Rule 2011) (HDR), are found in Policy Online under - Studying at Sydney.
Overview
The Doctor of Philosophy (PhD) is a research degree in which students undertake supervised research leading to the production of a thesis.

The PhD in the Faculty of Dentistry is aimed at those who intend to pursue research careers in oral health care or a related field.

Fields of study include:

- Dental Material Science - RPPHDDMS1000
- Endodontics - RPPHDEND1000
- Fixed Prosthodontics - RPPHDFXP1000
- Occlusion - RPPHDOL1000
- Oral Medicine and Oral Pathology - RPPHDOMP1000
- Oral and Maxillofacial Surgery - RPPHDOMS1000
- Oral Biology - RPPHDORB1000
- Orthodontics - RPPHORD1000
- Paediatric Dentistry - RPPHDPAD1000
- Periodontics - RPPHDPER1000
- Public Health Dentistry - RPPHDPHD1000
- Removable Prosthodontics - RPPHDRPR1000
- Tooth Conservation - RPPHDTOC1000

The Rules governing the degree of Doctor of Philosophy are the University of Sydney (Higher Degree by Research) Rule 2011 and the Postgraduate Degree of Doctor of Philosophy.

The most recent versions of these rules are found on the Policy Register sydney.edu.au/policies.
Overview

The MPhil is a research degree and is aimed at those who intend to pursue research careers in oral health or a related field or who wish to upgrade their qualifications to give them a competitive edge in their employment by demonstrating superior ability and some research experience. It may also be used as a stepping stone to commencing a Doctor of Philosophy (PhD).

The MPhil is a research degree in which students undertake supervised research leading to the production of a thesis. The word limit for a thesis submitted to the Faculty of Dentistry is 80,000 words. MPhil students may be required to attend classes or undertake coursework units of study, and the thesis is the only or major examinable assessment requirement for the degree.

Course rules

Master of Philosophy

These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Higher Degree by Research) Rule 2011 (the 'HDR Rule'), the Academic Board resolutions relating to the Degree of Doctor of Philosophy and the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended).

Course resolutions

Part 1: Preliminary

1 Course codes

<table>
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<th>Code</th>
<th>Course title</th>
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<tr>
<td>RMPHLNDNT-01</td>
<td>Master of Philosophy</td>
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Part 2: Admission requirements

2 Eligibility for admission to candidature

(1) To be eligible to be admitted to candidature by the Dean or Associate Dean, an applicant must hold or have completed the requirements for a bachelor's degree from the University of Sydney, in a subject area related to the proposed course of advanced study and research, with -
(a) Honours; or
(b) a result of at least a Credit grade in the highest, relevant unit of study.

(2) The Dean or Associate Dean may admit to candidature an applicant who does not meet the requirements of sub-clause (1), provided that the applicant holds a qualification or qualifications that, in the opinion of the Combined Board of Postgraduate Studies are equivalent to those prescribed in sub-clause (1).

3 Application for admission to candidature

(1) An applicant for admission to candidature must submit to the Faculty:

(a) satisfactory evidence of the applicant's eligibility for admission;
(b) a proposed course of research and advanced study, approved by the Head of the Discipline in which the work is to be undertaken; and
(c) a statement certifying the applicant's understanding that, subject to the HDR Rule, if the candidature is successful, his or her thesis will be lodged with the University Librarian and made available for immediate public use.

(2) In addition, an applicant for admission to part-time candidature must submit a statement that he or she will have sufficient time available to complete the requirements of the degree in accordance with these resolutions.

4 Credit transfer

The HDR Rule specifies the conditions for the granting of credit for previous studies, including the effect on completion times.

Part 3: Candidature

5 Appointment of supervisor

The Head of Discipline will appoint a supervisor and associate supervisor for each candidate in accordance with the HDR Rule and Academic Board policies for postgraduate research higher degree supervision.

6 Control of candidature

The HDR Rule specifies the conditions for the control of candidature by the University.

7 Location of candidature and attendance

The HDR Rule specifies the conditions for the location of candidature and attendance by candidates at the University.

Part 4: Requirements

8 Degree requirements

(1) To satisfy the requirements of the degree candidates must:
(a) complete any specified probationary requirements;
(b) complete prescribed units of study;
(c) conduct research on the approved topic; and
(d) write a thesis embodying the results of the research.

9 The thesis

(1) A candidate shall produce a thesis that meets the requirements specified in the HDR Rule.

(2) The thesis will be in the range of 40,000 to 80,000 words.

Part 5: Enrolment and progression

10 Probation

(1) A candidate is normally accepted for candidature on a probationary basis for a period not exceeding one year according to the provisions of the HDR Rule.

(2) In the probationary period each candidate must:
(a) complete a 6 credit point research methods unit of study as required by the Head of Discipline;
(b) develop and present a refined research proposal to the satisfaction of the Supervisor and Head of Discipline; and
(c) demonstrate adequate English language competency for the completion of the degree.
11 **Time limits, earliest and latest submission dates**

The HDR Rule specifies the allowable completion times and submission dates available for full- and part-time candidates in this course.

12 **Mode of attendance**

The attendance pattern for this course is full-time or part-time according to candidate choice. Visa requirements commonly restrict international students to full-time study only.

13 **Discontinuation of candidature**

A candidate may discontinue enrolment in a unit of study or the degree subject to the conditions specified by the HDR Rule.

14 **Suspension of candidature**

(1) A candidate may suspend enrolment from the degree subject to the conditions specified by the HDR Rule, except that:

(a) the application must be received by the Faculty prior to the commencement of the relevant semester;

(b) a candidate may only apply for a period of suspension of one semester at any one time, and should the candidate wish to suspend for more than one semester another application must be made to the Faculty for each subsequent semester prior to the commencement of that relevant semester; and

(c) late applications may be considered at the Faculty’s discretion.

15 **Leave of absence**

A candidate may take leave of absence from the degree subject to the conditions specified by the HDR Rule.

16 **Progress**

A candidate is required to maintain satisfactory progress towards the timely completion of the degree. Progress will be reviewed annually according to the provisions of the HDR Rule.

**Part 6: Examination**

17 **Examination of the thesis**

Examination of the thesis will be conducted in general accordance with standards prescribed by Academic Board for the Doctor of Philosophy, except that:

(a) three copies of the thesis shall be submitted by the candidate;

(b) two examiners will be appointed by the Faculty, at least one of whom shall be external to the University and not a clinical academic title-holder of the Faculty; and

(c) the Joint Board of Postgraduate Studies in Dentistry, Medicine and Pharmacy will act in place of the PhD Award Sub-Committee.

18 **Award of the degree**

The degree is awarded at the Pass level only.

**Part 7: Other**

19 **Transitional provisions**

(1) These course resolutions apply to students who commenced their candidature after 1 January, 2012 and students who commenced their candidature prior to 1 January, 2012 who elect to proceed under these resolutions.

(2) Candidates who commenced prior to 1 January, 2012 may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed within the time limits specified in those resolutions. The Dean or Associate Dean may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.
Resolutions of the Senate

Resolutions of the Senate

1 Degrees, diplomas and certificates of the Faculty of Dentistry

(1) With the exception of the Doctor of Dental Science and the Doctor of Philosophy, the Senate, by authority of the University of Sydney Act 1989 (as amended), provides and confers the following degrees, diplomas and certificates, according to the rules specified by the Faculty of Dentistry. The Doctor of Dental Science and the Doctor of Philosophy are provided and conferred according to the rules specified by the Senate and the Academic Board.

(2) This list is amended with effect from 1 January, 2014. Degrees, diplomas and certificates no longer open for admission will be conferred by the Senate according to the rules specified by the Faculty at the time.

2 Degrees

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<td>RPPHDNT-01</td>
<td>Doctor of Philosophy</td>
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<td>Research</td>
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<td>RMPHLDNT-01</td>
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*may be awarded with honours in an integrated program.

3 Graduate diplomas

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<th>Abbreviation</th>
<th>Credit points</th>
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Resolutions of the Faculty of Dentistry for coursework awards

These resolutions apply to all undergraduate and postgraduate coursework award courses in the Faculty, unless specifically indicated otherwise. Students enrolled in postgraduate research awards should consult the resolutions for their course. These resolutions must be read in conjunction with applicable University By-laws, Rules and policies including (but not limited to) the University of Sydney (Coursework) Rule 2010 (the ‘Coursework Rule’), the resolutions for the course of enrolment, the University of Sydney (Student Appeals against Academic Decisions) Rule 2006 (as amended) and the Academic Board policies on Academic Dishonesty and Plagiarism.

Part 1: Course enrolment

1 Enrolment restrictions

Students are only permitted to enrol for the units of study specified for each semester of their program of study.

2 Time limits

(1) Maximum time limits for all Faculty of Dentistry courses are listed in the table below.

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<thead>
<tr>
<th>Course Title</th>
<th>Full Time/Part Time</th>
<th>Time Limit</th>
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<tr>
<td>Doctor of Dental Medicine</td>
<td>FT</td>
<td>5 years</td>
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<tr>
<td>Graduate Diploma in Clinical Dentistry (Conscious Sedation and Pain Control)</td>
<td>PT</td>
<td>4 semesters</td>
</tr>
<tr>
<td>Graduate Diploma in Clinical Dentistry (Oral Implants)</td>
<td>PT</td>
<td>4 semesters</td>
</tr>
<tr>
<td>Graduate Certificate in Clinical Dentistry (Oral Rehabilitation)</td>
<td>PT</td>
<td>3 semesters</td>
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<tr>
<td>Graduate Certificate in Clinical Dentistry (Advanced Restorative)</td>
<td>PT</td>
<td>3 semesters</td>
</tr>
<tr>
<td>Doctor of Clinical Dentistry</td>
<td>FT/PT</td>
<td>4 years/8 years</td>
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<tr>
<td>Master of Philosophy</td>
<td>FT/PT</td>
<td>4 years/8 years</td>
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</table>

(2) The Coursework Rule defines how time limits are affected by periods of suspension or absence.

3 Suspension, discontinuation and lapse of candidature

(1) The Coursework Rule specifies the conditions for suspending or discontinuing candidature, and return to candidature after these events. The Rule also defines the circumstances when candidature is deemed to have lapsed. Students should pay careful attention to the significant dates in these processes and their effect on results and financial liability. Refer also to the specific resolutions for the Doctor of Dental Medicine.

(2) For the Bachelor of Oral Health and Bachelor of Dentistry degrees, the provisions of the Coursework Rule apply except that the maximum suspension permitted from this course will be 12 months.

(3) For the Bachelor of Dentistry degree exceptions may be made for candidates who wish to interrupt their studies, for up to 2 years, to complete another degree, acceptable to the faculty, at this or another institution.

4 Credit for previous study

In this Faculty, there is no specially identified credit for previous study.

Part 2: Unit of study enrolment

5 Cross institutional study

Cross institutional study is not permitted by the Faculty of Dentistry.

6 International exchange

International exchange is not permitted by the Faculty of Dentistry.

Part 3: Studying and Assessment

7 Attendance

(1) Students are required to be in attendance at the correct time and place of any formal or informal examinations. Non attendance on any grounds insufficient to claim special consideration will result in the forfeiture of marks associated with the assessment. Participation in a minimum number of assessment items may be a requirement of any unit of study.

(2) Students are expected to attend a minimum of 90% of timetabled activities for each component of a unit of study. The Dean or academic staff member most concerned may determine that a student fails a unit of study due to inadequate attendance.
Late submission penalty

(1) It is expected that unless an application for an extension or special consideration has been approved, students will make submissions for a unit of study on the due date specified, submissions may include assignments, application forms or log books. If the submission is made by the student within a period of approved extension, no academic penalty will be applied.

(2) Late assignments that have not been granted extensions will attract a penalty of 5% of the maximum mark each day they are late, except week ends and public holidays.

Special consideration for illness, injury or misadventure

Special consideration is a process that affords equal opportunity to students who have experienced circumstances that adversely impact their ability to adequately complete an assessment task in a unit of study. The Assessment Policy 2011 and associated procedures provide full details of the University policy.

Re-assessment

In this Faculty, opportunities for re-assessment are offered to students on the grounds as stated in the Faculty of Dentistry Assessment and Progression Local Provision.

Part 4: Progression, Results and Graduation

Satisfactory progress

The Faculty will monitor students for satisfactory progress towards the completion of their award course in accordance with the Student Academic Progression Policy. In addition to the common triggers used to identify students not meeting academic progression requirements (as defined by the progression requirements of the Coursework Rule), students must meet any other requirements specified in the course resolutions as being critical to progression through the course.

Award of the bachelor's degree with honours

The award of Honours is only available to meritorious candidates of the Bachelor of Dentistry degree. Further details are outlined in the Bachelor of Dentistry Resolutions.

University medal

The University medal is not awarded to Bachelor of Dentistry Honours candidates, because marks are not awarded to students throughout the duration of the degree.

Weighted Average Mark (WAM)

(1) The University has a formula for calculating a Weighted Average Mark and this is defined in the University Glossary. WAMs are used by the University as one indicator of performance. For example, WAMs can be used in assessing admission to and award of honours, eligibility for prizes and scholarships, or assessing progression through a course.

(2) The weight of a unit of study is assigned by the owning faculty. In the Faculty of Dentistry, all units carry a weighting value of one.

Part 5: Other

Special permission

These resolutions apply to all students enrolled in programs of study in the Faculty of Dentistry. However, in exceptional circumstances and at the Dean's discretion, some exemptions may be permitted.

Transitional provisions

(1) These resolutions apply to students who commenced their candidature after 1 January, 2011 and students who commenced their candidature prior to 1 January, 2011, who elect to proceed under these resolutions.

(2) Students who commenced prior to 1 January, 2011, may complete the requirements in accordance with the resolutions in force at the time of their commencement, provided that requirements are completed by 1 January, 2016. The faculty may specify a later date for completion or specify alternative requirements for completion of candidatures that extend beyond this time.
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