

# DENT90069 Dental Medicine and Surgery 1

<b>Credit Points:</b>	12.50
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	2012, Parkville This subject commences in the following study period/s: January, Parkville - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: 97 Total Time Commitment: 137 hours in total - 97 contact, 40 non-contact
<b>Prerequisites:</b>	Successful completion of all 1st Year DDS subjects.
<b>Corequisites:</b>	None.
<b>Recommended Background Knowledge:</b>	None.
<b>Non Allowed Subjects:</b>	N/A.
<b>Core Participation Requirements:</b>	<p>&lt;p&gt;For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.&lt;/p&gt;         &lt;p&gt;It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: &lt;a href="http://services.unimelb.edu.au/disability"&gt;http://services.unimelb.edu.au/disability&lt;/a&gt;&lt;/p&gt;</p>
<b>Coordinator:</b>	Prof Michael Mccullough
<b>Contact:</b>	Melbourne Dental School 4th floor, 720 Swanston Street Telephone: +61 3 9341 1500 Email: <a href="mailto:enquiries@dent.unimelb.edu.au">enquiries@dent.unimelb.edu.au</a> (mailto:enquiries@dent.unimelb.edu.au) <a href="http://www.dent.unimelb.edu.au/">http://www.dent.unimelb.edu.au/</a>
<b>Subject Overview:</b>	This subject will be conducted as a preclinical subject and builds on knowledge gained in the 1st year of the DDS. It has the following components: General Pathology for Dental Practice, Therapeutics for Dental Practice, Principles of Medicine in Dental Practice, Principles of Surgery in Dental Practice, Common Medical and Surgical conditions and their treatment and Oral Pathology and Oral Radiology. Student learning will include: the importance of pathology, medicine, therapeutic and surgical knowledge and principles and techniques in dentistry; oral pathology and the presentation of oral disease and its pathological interpretation, including histopathology; and oral radiographic interpretation of pathological processes.
<b>Objectives:</b>	<p>On completion of this subject, students should be able to:</p> <ol style="list-style-type: none"> <li>1 understand the principles of medicine as it relates to dentistry, with particular emphasis on haematological disorders and cardiovascular diseases; liver and renal diseases; gastrointestinal and respiratory diseases; infectious diseases; stroke and epilepsy; rheumatology; diseases of the endocrine system; paediatric medicine; and metabolic disorders;</li> <li>2 comprehend the importance of therapeutics in dental practice. In particular, students should have an in-depth understanding of: drug classification systems; pharmacokinetics; pharmacodynamics; adverse drug reactions; drug therapy of pain; anticoagulants; antimicrobials; immunosuppressants; and local anaesthetics;</li> </ol>

	<p>3 understand: surgical principles and practice; surgical protocols; preoperative procedures; basic and some complex surgical techniques; as well as the principles of trauma surgery;</p> <p>4 understand and grasp principles of diagnostic pathology including types of diagnostic tests available, disorders of growth and differentiation; acquired disorders of differentiation and growth; cell injury; inflammation; metabolic disorders; inherited and acquired disorders; immunopathology; and neoplasia as these relate to dentistry;</p> <p>5 interpret and critique radiographs and other non-invasively produced images of the jaws, facial skeleton and temporo-mandibular joint.</p>
<b>Assessment:</b>	1 x 1 hour LMS MCQ on common medical and surgical conditions and their treatment at the end of Teaching Block 1 (10%) 1 x 3 hour written essay-style exam on pathology, therapeutics for dental practice, radiology and principles of medicine and surgery in dental practice at the end of Teaching Block 2 (60%) One 15-minute case presentation on common medical and surgical conditions and their treatment during Teaching Block 2 (30%).
<b>Prescribed Texts:</b>	Cawson RA, Odell EW, Porter, SR 2002 Cawson's Essentials of Oral Pathology and Oral Medicine, Elsevier Health Sciences Haveles, EB 2000 Delmar's Dental Drug Reference, Delman Thomson Learning Marx RE, Stern D, Oral and Maxillofacial Pathology - A Rationale for Diagnosis and Treatment, Quintessence Publishing Co. Silverman (Jr) S, Eversole R, Truelove EL, 2002 Essentials of Oral Medicine, BC Decker Inc, Hamilton, London Whitites E 2002 Essentials of Dental Radiography and Radiology, Elsevier Health Sciences
<b>Recommended Texts:</b>	None.
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Generic Skills:</b>	<p>Students should:</p> <ol style="list-style-type: none"> <li>1 be able to access new knowledge from different sources, analyse and interpret it in a critical manner</li> <li>2 develop skills in effective communication with teaching staff and peers</li> <li>3 develop effective organisational skills and time management</li> <li>4 develop skills in team work and develop skills of workplace safety</li> <li>5 be able to identify and address their own learning needs.</li> </ol>