

## DENT90064 Plaque Related Diseases 2

<b>Credit Points:</b>	12.50
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	2011, Parkville This subject commences in the following study period/s: July, Parkville - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: 141 hours (93 contact and 48 non-contact) Total Time Commitment: Not available
<b>Prerequisites:</b>	Successful completion of Teaching Blocks 1 and 2 subjects.
<b>Corequisites:</b>	None.
<b>Recommended Background Knowledge:</b>	None.
<b>Non Allowed Subjects:</b>	N/A.
<b>Core Participation Requirements:</b>	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a>
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<b>Subject Overview:</b>	This subject is a continuation of Plaque Related Diseases 1. It will assist students in developing knowledge regarding the common oral diseases that are caused by bacteria that are part of dental plaque, especially periodontitis and dental caries. This is a highly integrated subject that brings together advanced concepts in chemistry, biochemistry, microbiology, immunology, pharmacology, anatomy, behavioural science and clinical practice that are relevant to the understanding of oral health and disease. The students will learn about these diseases at the community, individual, cellular and molecular level. They will learn about the host immune response to both oral commensal and pathogenic bacteria. They will also learn about the links between oral and systemic health. Students will engage in extensive preclinical activities, problem-based and computer-based learning exercises that will enable them to make treatment decisions and prepare them for dental clinical practice.
<b>Objectives:</b>	On completion of this subject, the student will: <b>be competent to discuss:</b> <ol style="list-style-type: none"> <li>1 the current knowledge of the aetiology of disease and the immune response to infection and their effects on treatment;</li> <li>2 the concepts of immunology, microbiology, biochemistry and epidemiology relevant to plaque-related oral disease;</li> <li>3 the prevention and control of infectious diseases at the individual and community level;</li> <li>4 the principles of bacterial biofilm growth and antimicrobial chemotherapy;</li> <li>5 the immune response to infection and the possible abnormalities of this response;</li> <li>6 the fundamentals of the processes of dental caries and periodontal disease;</li> <li>7 the diagnosis of plaque-related oral diseases and the use of special diagnostic procedures;</li> <li>8 the conservative management of dental caries and periodontal disease;</li> </ol>

	<p>9 the procedures of collection and presentation of oral health data for formulating differential diagnoses.</p> <p><b>be able to appraise:</b></p> <ol style="list-style-type: none"> <li>1 the philosophy and research underpinning the prevention and treatment of oral diseases;</li> <li>2 the aetiology and management of plaque-related oral diseases, including therapeutic and surgical management as well as other treatment modalities.</li> </ol>
<b>Assessment:</b>	1 x 30 minute pre-clinical examination on periodontology at the end of Teaching Block 3 (10%); PBL on periodontology throughout Teaching Blocks 3 and 4 (10%); 4 x 15 minute class tests on cariology and periodontology throughout Teaching Blocks 3 and 4 (20%); 1 x 2 hour written exam on cariology and periodontology at the end of Teaching Block 4 (60%).
<b>Prescribed Texts:</b>	Lindhe J, Karring T and Lang N 2008 Clinical Periodontology and Implant Dentistry 5th ed, Munksgaard
<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 have developed skills in effective communication with teaching staff and peers;</li> <li>3 have developed effective organisational and time management skills;</li> <li>4 be able to identify and address their own learning needs;</li> <li>5 understand the need for precision, accuracy and self-evaluation.</li> </ol>
<b>Related Course(s):</b>	Doctor of Dental Surgery