

ORAL10004 Oral Health Sciences 1B

Credit Points:	18.75
Level:	1 (Undergraduate)
Dates & Locations:	2016, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 104 hours of lectures, seminars, practical work and computer assisted learning Total Time Commitment: Not available
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	<p><p>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.</p> <p><p>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: http://services.unimelb.edu.au/disability</p></p> </p>
Coordinator:	Dr Samantha Byrne
Contact:	<p>Melbourne Dental School</p> <p>Currently enrolled students:</p> <p># General information: https://ask.unimelb.edu.au (https://ask.unimelb.edu.au/)</p> <p># Email: enquiries-STEM@unimelb.edu.au (mailto:enquiries-STEM@unimelb.edu.au)</p>
Subject Overview:	<p>This subject comprises four modules:</p> <p><i>Anatomy and Oral Histology:</i> Microscopic structure of human oral tissues; mucosa, enamel, dentine, pulp, cementum, periodontium, alveolar bone, salivary glands, TMJ; the embryology of the craniofacial region, the histology and physiology of the oral tissues and odontogenesis; the structure and function of the nerve and vascular supply of the head and neck; lymphatic drainage of the head; and the pterygomandibular space.</p> <p><i>Physiology:</i> The physiology of the nervous, respiratory, circulatory, digestive, endocrine and musculo-skeletal systems; the neurophysiology of pain and other sensory processes as well as taste and swallowing (deglutition).</p> <p><i>Pathology:</i> Inflammation and infections; defense mechanisms, immunology, healing and repair; pathological conditions causing abnormal bleeding; neoplasia and cardio-vascular disease; disorders of the nervous system and endocrine system; and infectious diseases and allergies.</p> <p><i>Microbiology:</i> An introduction to chemistry and its relevance to human mineralized tissues; the role of microorganisms in human infection; bacteriology of dental plaques, the microbiology associated with dental caries and periodontal disease; asepsis and infection control in dental practice; aspects of virology including hepatitis and human immunodeficiency virus.</p>
Learning Outcomes:	On completion of this subject, students should:

	<p>Comprehend:</p> <ul style="list-style-type: none"> # The terminology of anatomy, biochemistry, physiology, histology, oral anatomy, and microbiology; # The principal clinical applications of anatomy, biochemistry, physiology, histology, oral anatomy, and microbiology to care of the dental patient; # The characteristics of the microbial ecology of the oral cavity; # The process of odontogenesis, the formation of the periodontium and the development of oro-dental structures; # The principles of the aetiology and prevention of common oral diseases; # The nature of dental caries and periodontal disease and the mechanisms of primary prevention and technical intervention to restore tooth function; and # The skills and knowledge to implement clinical preventive procedures. <p>Demonstrate:</p> <ul style="list-style-type: none"> # An ability to recognise healthy oral tissues and the clinical appearance of dental caries and periodontal disease; # a detailed knowledge of the blood, lymphatic, and nerve supply to tissues in the head and neck; # An ability to plan work and utilise time effectively.
Assessment:	One 3-hour written examination at the end of Semester 2 (70%); Practical class test and class presentation, 5 multiple choice and true/false answer quizzes to be completed via LMS and viva voce examination (30%). Hurdle requirements: 75% attendance at Lectures; 100% attendance at Seminars/Tutorials, Pre-Clinical & Clinical Sessions, and Clinical & Case Simulations/ Discussions
Prescribed Texts:	None
Recommended Texts:	
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	<ul style="list-style-type: none"> # Collection, analysis and presentation; # Time management and planning skills through class preparation, revision and assignment completion; # Safe handling and disposal of chemicals and other laboratory materials; # Comprehension and critical analysis of scientific concepts and principles; # Investigation.
Related Course(s):	Bachelor of Oral Health