

511-496 Dental Science: Oral Biology Research

Credit Points:	37.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus. Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: tba Total Time Commitment: tba
Prerequisites:	Bachelor of Science degree with study in a relevant field and results that meet the Bachelor of Science (Honours) entry requirements.
Corequisites:	Students must also enrol in 511497 Dental Science: Oral Biology Advanced Coursework.
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>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>
Subject Overview:	This subject aims to provide opportunities for students to gain an understanding in, and extend the practice of biomedical research. You are required to complete a research project and to produce a written thesis under the guidance of your supervisor(s). The research component offers students the opportunity to use state-of-the-art techniques in protein chemistry, biochemistry, biophysics, molecular biology, microbiology, immunology, genetics, anatomy, mass spectrometry, NMR spectroscopy, molecular modelling, skeletal biology, histomorphometry, image analysis, vaccines, biofilms, biophysics and proteomics.
Assessment:	Students conduct an original research project supervised by research staff. Current areas of major research activity include the molecular biology of oral diseases and microbial pathogens, the cell biology and development of oral tissues and the evaluation and development of novel dental restorative materials. Students are required to produce a 10,000 word thesis that includes an analysis of the experiments and methods and a comprehensive discussion of results obtained during the research they have undertaken. The thesis is worth 100% of the marks for this subject.
Prescribed Texts:	none
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
Links to further information:	http://www.science.unimelb.edu.au/honours/requirements.php http://www.dent.unimelb.edu.au/dsweb/postgrad_programs/honours.html