

511-613 M.Den.Sc.- Oral Biology

Credit Points:	N/A Credit points are not assigned to the research thesis subjects that are offered as part of graduate research courses. The load or weight varies according to the duration and structure of the course, enrolment status (ie. full-time or part-time), etc.
Level:	Research Higher Degree
Time Commitment:	Contact Hours: Regular weekly or fortnightly meetings with your supervisor(s). 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>
Subject Overview:	<p>Students enrol in this subject to undertake the Master of Dental Science by research in the field of oral biology.</p> <p>Didactic</p> <p>The didactic component of the subject involves lectures, tutorials and research seminars, covering advanced oral biology and molecular biology.</p> <p>Research</p> <p>The major component of the subject will be a research program in any area of oral biology that is mutually agreed upon by the student and supervisor. Current areas of major research activity within the Dental School include the molecular biology of oral diseases and microbial pathogens and cellular biology of oral tissues. Facilities available within the major research units of the School include cell and tissue culture, continuous culture of microorganisms, protein purification, peptide sequence analysis, peptide synthesis, monoclonal antibody generation, specific-pathogen-free animals, recombinant DNA technology and DNA sequence analysis, mass spectrometry, NMR spectroscopy and molecular modeling.</p>
Objectives:	To promote the development of academic and research skills in any aspect of oral biology.
Assessment:	A written thesis of approximately 40,000 words is submitted to the School by the student. It will be assessed by two or more examiners. Students will be required to present their results formally to the School of Dental Science in the Research Seminar program and will be examined by written assignment in the coursework undertaken.
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
Generic Skills:	<p>On completing the course, graduates should be able to:</p> <ul style="list-style-type: none"> # design and carry out a research program # critically evaluate research data # formally present research data

	# critically evaluate scientific literature # prepare a dissertation
Links to further information:	http://www.dent.unimelb.edu.au/dsweb/postgrad_programs/masters_research.html