

DENT90003 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
Dates & Locations:	2011, Parkville This subject commences in the following study period/s: RHD First Half Year, Parkville - Taught on campus. RHD Second Half Year, Parkville - Taught on campus.
Time Commitment:	Contact Hours: Regular weekly or fortnightly meetings with your supervisor(s). Total Time Commitment: Not available
Prerequisites:	.
Corequisites:	.
Recommended Background Knowledge:	.
Non Allowed Subjects:	.
Core Participation Requirements:	.
Contact:	GRADUATE ADMINISTRATOR Tel: +61 3 9341 1507
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:	.
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