411-454 Biocellular Engineering Research Proj 1

Credit Points:	12.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus. Research feasibility study based on literature review with possible laboratory or computer work (independant or team based)
Time Commitment:	Contact Hours: Forty-eight hours of supervised research (literature-based, experimental or computer) Total Time Commitment: Estimated non-contact time commitment of 96 hours.
Prerequisites:	411-254 Biomolecular Process Principles, 411-336 Process Dynamics and Controll, 411-391 Bionanoengineering, 411-394 Tissue Engineering, 534-301 Cellular and Molecular Pharmacology, and 436-387 Cellular and Tissue Biomechanics.
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	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. 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
Coordinator:	Dr A O'Connor
Subject Overview:	The objective is to acquaint students with the methodologies of research in Biocellular Engineering, to allow them to gain experience in critical literature review and planning of an individual or team-based research project, and to develop their abilities to present orally and in writing the results of their research. Students successfully completing this unit should be able to conduct an independant review of published literature sources, formulate and plan a research project in Biocellular Engineering. Candidates will undertake a designated investigative project as individuals or as a memeber of a team, involving a critical literature review and feasibility study, designed to lead on to a more substantial research task to be undertaken in 411-454 Biocellular Engineering Research Project 2. Rigorous time management, written and verbal technical communication and team work will be required.
Assessment:	A written report of up to approximately 8,000 words, not including appendices, diagrams, tables, computations and computer output, due towards the end of semester, contributing 50% to the total assessment; an oral presentation contributing 25% and an assessment of the quality of the student's research work contributing 25%.
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:	The subject will enhance the following generic skills:

	# The ability to undertake problem identification, formulation and solution; # Capacity for independant thought # The ability to communicate effectively orally and in writing # The ability to plan work and use time effectively
Related Course(s):	Bachelor of Engineering (Biomedical)Biocellular