

MEDI40006 Biomedical Advanced Coursework

Credit Points:	12.5						
Level:	4 (Undergraduate)						
Dates & Locations:	2015, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.						
Time Commitment:	Contact Hours: 1 hr/ week over 36 weeks Total Time Commitment: 36 contact hours with an estimated total time commitment of 170 hours (including non-contact time)						
Prerequisites:	Students must be enrolled in the Bachelor of Biomedicine (Honours) or Bachelor of Science (Honours) to complete this subject. <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BIOM40001 Introduction To Biomedical Research</td> <td>February</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	BIOM40001 Introduction To Biomedical Research	February	12.50
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Recommended Background Knowledge:	Biological / Biomedical 300 level knowledge						
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 Equitable Adjustment Procedure, academic requirements for this subject are articulated in the Subject Overview, Objectives, 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 will impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and the Disability Liaison Unit: http://www.services.unimelb.edu.au/disability/						
Coordinator:	Dr Amanda Edgley, Dr Kate Graham						
Contact:	Subject Coordinators: Dr Amanda Edgley aedgley@unimelb.edu.au (mailto:aedgley@unimelb.edu.au) Dr Kate Graham kgraham@svi.edu.au (mailto:kgraham@svi.edu.au) Administrative Coordinator: Nora Hanafi shanafi@unimelb.edu.au (mailto:shanafi@unimelb.edu.au)						
Subject Overview:	This subject uses Research Seminars as a vehicle to teach students the experimental approach to contemporary research questions. The seminars will be presented by a mixture of departmental faculty, invited speakers from outside the department, and postgraduate students. Seminars will include a wide range of research topics undertaken on campus as well as topics such as animal welfare, professional development (e.g. career options post- Honours, PhD) and communication skills (e.g. thesis writing workshops, oral presentation seminars). Additional tasks will be designed to improve analytical and writing skills as well as to encourage students to expand their knowledge of literature outside their research field. These tasks include						

	the completion of a research essay on a topic outside their research field and undertaking of a critical review in an exam format.
Learning Outcomes:	<ul style="list-style-type: none"> # To develop an understanding of experimental design, implementation, evaluation and communication of as it relates biomedical research. # To cultivate an appreciation and understanding of the major disciplines of departmental research. # To increase students' knowledge of the experimental approaches and strategies used in different areas of research, and to think of ways that these could be applied to their own research projects. # To teach students to think critically about the limitations and weaknesses that are associated with virtually all experimental strategies.
Assessment:	Research Training Seminars (32%): Compulsory attendance Journal Critical Review (32%): 3 hour exam of unseen scientific paper Research Essay (36%): 2000 word essay on topic unrelated to student's research area
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:	<ul style="list-style-type: none"> # Analysing complex scientific issues # Identifying critical and essential factors from a large body of information # Making a constructive critique of a scientific presentation # Performing written and oral communication skills at a high standard # Contributing to intellectual discussion # Generating new ideas for scientific experiments
Links to further information:	http://www.medstv.unimelb.edu.au/
Related Majors/Minors/Specialisations:	Medicine (St Vincent's Hospital)