

PHYS40006 Physiology Research Project

Credit Points:	50												
Level:	4 (Undergraduate)												
Dates & Locations:	2012, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.												
Time Commitment:	Contact Hours: This subject is an individual research project and weekly contact hours will vary depending on the nature of the project. Total Time Commitment: Students should discuss total time commitment with their supervisor but as a guide, a student would be expected to be engaged in their research for an average of thirty hours per week over two semesters.												
Prerequisites:	Students must be enrolled in the Bachelor of Biomedicine (Honours), Bachelor of Science (Honours) or Postgraduate Diploma in Science to complete this subject. <table border="1" data-bbox="387 660 1485 920"> <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> <tr> <td>PHYS90008 Advanced Seminars in Physiology</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>PHYS40005 Physiology Research Project</td> <td>Semester 1</td> <td>25</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	BIOM40001 Introduction To Biomedical Research	February	12.50	PHYS90008 Advanced Seminars in Physiology	Semester 1	12.50	PHYS40005 Physiology Research Project	Semester 1	25
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PHYS40005 Physiology Research Project	Semester 1	25											
Corequisites:	None												
Recommended Background Knowledge:	Completion of Biomedicine or Science degree with a major in physiology or related discipline.												
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 Students Experiencing Academic Disadvantage Policy, 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 Rene Koopman												
Contact:	Academic Coordinator: Associate Professor Graham Barrett grahamlb@unimelb.edu.au (mailto:grahamlb@unimelb.edu.au) Administrative Coordinator: Ms Lesley Robinson lesleyr@unimelb.edu.au (mailto:lesleyr@unimelb.edu.au)												
Subject Overview:	The research project involves the completion of an original piece of research under the supervision of a member of staff within the Department of Physiology and/or affiliated institution. Students will be enrolled in a combination of the research project subjects indicated below to ensure they have completed a total of 75 points for the research project by the end of their course. PHYS40005 Physiology Research Project – 25 points PHYS40006 Physiology Research Project – 50 points												

Objectives:	<p>The research project is designed to:</p> <p>Develop competency in problem solving and experimental research;</p> <p>Instill competency in:</p> <ul style="list-style-type: none"> • skills and techniques relevant to the discipline of physiology; • skills in accessing databases and literature; • the critical analysis and evaluation of data and events; • computing and numeracy. <p>Encourage ethical attitudes to:</p> <ul style="list-style-type: none"> • originality of effort; • perceptions of science in the community; • the use of animals and humans in science. <p>Develop the ability to propose hypotheses for testing.</p>
Assessment:	<p>Written literature review, ~5000 words (15%) due during semester 1</p> <p>Written thesis ~10,000 words (65%) due at the end of semester 2</p> <p>Two oral presentations (20%), one in each semester</p>
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>Critical analysis of complex scientific issues.</p> <p>Identification of critical and essential factors from a large body of information</p> <p>Constructive critique of a scientific presentation</p> <p>Written and oral communication skills at a high standard.</p> <p>Contribution to intellectual discussion</p> <p>Generation of new ideas for scientific experiments</p>
Links to further information:	http://www.physiology.unimelb.edu.au/
Related Majors/Minors/Specialisations:	<p>Physiology</p> <p>Physiology</p>