PHYS40006 Physiology Research Project

Credit Points:	50
Level:	4 (Undergraduate)
Dates & Locations:	2011, 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.
Corequisites:	Please refer to the notes section below for details regarding the subjects to be completed.
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 Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/
Coordinator:	Assoc Prof Graham Barrett
Contact:	**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:	The research project is designed to: Develop competency in problem solving and experimental research; Instill competency in: • 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. Encourage ethical attitudes to: • originality of effort; • perceptions of science in the community; • the use of animals and humans in science. Develop the ability to propose hypotheses for testing.

Assessment:	Written literature review, ~5000 words (15%) due during semester 1Written thesis ~10,000 words (65%) due at the end of semester 2Two oral presentations (20%), one in each semester
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:	Critical analysis of complex scientific issues. Identification of critical and essential factors from a large body of information Constructive critique of a scientific presentation Written and oral communication skills at a high standard. Contribution to intellectual discussion Generation of new ideas for scientific experiments
Links to further information:	http://www.physiology.unimelb.edu.au/
Notes:	To be awarded Honours with a specialisation in Physiology, students must successfully complete the following: Semester 1 BIOM40001 Introduction to Biomedical Research (12.5 points) PHYS90008 Advanced Seminars in Physiology (12.5 points) PHYS40005 Physiology Research Project (25 points) Semester 2 PHYS40006 Physiology Research Project (50 points)
Related Course(s):	Bachelor of Biomedicine (Degree with Honours) Bachelor of Science (Degree with Honours)