

BMSC40008 Medical Biology 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) or Bachelor of Science (Honours) to complete this subject.
Corequisites:	Please refer to the notes section below for details regarding the subjects to be completed.
Recommended Background Knowledge:	Completed three-year undergraduate degree in a relevant science 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:	Dr Anne Voss, Dr Philippe Bouillet
Contact:	Academic Coordinators: Dr Anne Voss and Dr Philippe Bouillet avoss@wehi.edu.au and bouillet@wehi.edu.au Administrative Coordinator: Mr Frank Draffen draffen@unimelb.edu.au
Subject Overview:	The student will conduct an original research project in a research laboratory under supervision of a research scientist at the Walter and Eliza Hall Institute from February to November. The student will be introduced to current literature and techniques in specialised areas. The research project will form part of a larger project or the basis of an expanded project. In both cases the work is anticipated to culminate in an original research publication. 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. BMSC40003 Medical Biology Research Project – 25 points (semester 1) BMSC40008 Medical Biology Research Project – 50 points (semester 2)
Objectives:	<ul style="list-style-type: none"> # Acquire the ability to absorb information, analyse it critically, and integrate it into the current state of knowledge in the field. Develop hypothesis, propose experiments, engage in discussion with other scientists. # Acquire and hone experimental skills for work at the bench. Acquire technical knowledge specific to the research project. # Acquire oral and written presentation skills to present original scientific data to an expert audience. # Generate a body of original scientific results that will form part of a peer-reviewed, primary research publication.

Assessment:	Oral overview of thesis project and literature, presented in June – 15%A written report (thesis) of up to 10,000 words, due in November, and an oral defence of the thesis – 65%Oral presentation of thesis results and response to questions, in November after written thesis submission – 15%Supervisor's input into Honours project assessment – 5%
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:	In a more general sense that students will learn to <ul style="list-style-type: none"> • critically assess literature • accept or reject information provided by others • integrate scientific information into an information framework • identify unresolved scientific questions • identify the best experimental approaches to address open questions • polish their oral presentation skills • polish their written presentation skills
Links to further information:	http://www.wehi.edu.au/
Notes:	To be awarded Honours with a specialisation in Medical Biology (Walter and Eliza Hall Institute), students must successfully complete the following: Semester 1 BMSC40004 Approaches to Medical Research (12.5 points) BMSC40007 Postgraduate Lectures in Medical Biology (12.5 points) BMSC40003 Medical Biology Research Project (25 points) Semester 2 BMSC40008 Medical Biology Research Project (50 points)
Related Course(s):	Bachelor of Biomedicine (Degree with Honours) Bachelor of Science (Degree with Honours)