

MIIM40005 Microbiology and Immunology Research Project

Credit Points:	25
Level:	4 (Undergraduate)
Dates & Locations:	2011, Parkville This subject commences in the following study period/s: Semester 1, 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:	A solid background in biological sciences (2nd year level biochemistry, immunology, microbiology, genetics) is ideal but not essential. The subject is structured to provide all the necessary background information for completion.
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:	Prof Stephen Turner
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Subject Overview:	The research project for Honours in Microbiology and Immunology aims to extend a student's knowledge of microbiology/immunology and related areas; provide experience in research techniques and approaches with the advice and guidance of one of the research groups within or affiliated with the department; enhance the student's ability to find and critically assess existing scientific information; to develop skills in communication (both written and oral) of scientific concepts related to microbiology/immunology and related areas. 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. MIIM40005 Micro/Immunol Research Project – 25 points (semester 1) MIIM40006 Micro/Immunol Research Project – 50 points (semester 2)
Objectives:	By the end of the year it is expected that you will have learnt from first-hand experience how to formulate questions, design and conduct experiments, analyse and evaluate data, and write a scientific paper/report.
Assessment:	Research report, 15,000 – 20,000 words consisting of literature review (3000-4000 words), materials and methods 3000-4000 words); Results (4000-7000 words); Discussion (3000-4500 words); 75 %, submitted at the end of the year.Oral examination about research project, 30 min,

	end of year, (10 %)Departmental research seminar, 15 min, mid-year (10 %).Supervisors mark, submitted by research supervisor at end of year (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:	Upon completion of this subject, students should have developed the capacity for critical review and synthesis of arguments based on evidence, the capacity to work cooperatively with others, experience in design, execution, analysis and presentation of experimental approaches and data, experience in giving oral scientific presentations, the ability to manage information effectively including the use computer technologies for scholarly pursuits, and the ability to communicate effectively in a public forum away from the scientific discipline.
Links to further information:	http://www.microbiol.unimelb.edu.au/
Notes:	To be awarded Honours with a specialisation in Microbiology and Immunology, students must successfully complete the following: Semester 1 MIIM40002 Advanced Microbiology and Immunology I (12.5 points) MIIM40007 Advanced Microbiology and Immunology II (12.5 points) MIIM40005 Microbiology and Immunology Research Project (25 points) Semester 2 MIIM40006 Microbiology and Immunology Research Project (50 points)
Related Course(s):	Bachelor of Biomedicine (Degree with Honours) Bachelor of Science (Degree with Honours)