

MIIM40002 Advanced Microbiology and Immunology I

Credit Points:	12.50
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: 24 Total Time Commitment: 120 hours
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
Contact:	Academic Coordinator: Associate Professor Stephen Turner sjturn@unimelb.edu.au (mailto:sjturn@unimelb.edu.au) Administrative Coordinator: Ms Corliss Chan corlissc@unimelb.edu.au (mailto:corlissc@unimelb.edu.au)
Subject Overview:	To become effective research scientists, students need to develop the skills such as critical review and analysis of data, appropriate design and execution of experiments, appropriate documentation of experimental plans and results, interpretation of data and presentation and communication of data. Drawing on recent advances in microbiology and immunology, this subject will involve critical review of scientific literature and presentation of such analysis in both an oral and written form. This subject is designed to give level 4 honours year experience in skills required for critical analysis and communication of scientific concepts. This subject is designed to provide students with experience to help enable the transition from undergraduate to postgraduate study. The material covered will complement that covered in MIIM4XXXXX Advanced Microbiology and Immunology II
Objectives:	Upon completion of this subject, students should gain experience in how to access, critically review, present and communicate scientific literature in the field of Microbiology and Immunology. Students should gain experience of the requirements for scientific publication and experience in how to evaluate the effectiveness of an article in communicating scientific concepts in the field of Microbiology and Immunology.
Assessment:	Written exam, 1 hr involving a critical review of a paper, 30 %. Scheduled for week 2 of subject). Group oral presentation (groups of 4) of a scientific paper 45 min total, 30 %, scheduled

	for week 4 of subject. Written essay modelled on a scientific commentary regarding latest scientific findings, approximately, 2,500 words, submitted at end of subject (week 6) (40 %).
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 synthesis and critical review of arguments based on evidence, the capacity to work cooperatively with others, an advanced capacity for written and oral presentation, 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)