MIIM40007 Advanced Microbiology and Immunology II

Credit Points:	12.50
Level:	4 (Undergraduate)
Dates & Locations:	2012, 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:	None
Corequisites:	

Subject	Study Period Commencement:	Credit Points:
MIIM40002 Advanced Microbiology and Immunology I	Semester 1	12.50
MIIM40005 Microbiology and Immunology Research Project	Semester 1	25

Recommended Background Knowledge:	A solid background in biological sciences (2nd and 3rd year level biochemistry, immunology, microbiology, genetics) is ideal but not essential. The subject is structured to provide all the necessary background information needed 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 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:	Prof Stephen Turner
Contact:	**Academic Coordinator:** Associate Professor Stephen Turner **sjturn@unimelb.edu.au (sjturn@unimelb.edu.au)** Administrative Coordinator: Ms Rebecca Whitsed **rwhitsed@unimelb.edu.au (rwhitsed@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 and presentation of scientific data in 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 **MIIM40002 (../../view/2011/MIIM40002)** Advanced Microbiology and Immunology I.
Objectives:	At the end of the subject students should be able research, critically review, present and discuss various perspectives related to bacteriology, virology and/or immunology. Students will gain experience in how to document, analyse and present scientific procedures, data, conclusions and their implications in both oral and written form by synthesising scientific hypotheses

	based on provided data, and their experience in appropriate experimental design to test the hypotheses and both of these concepts.
Assessment:	The design and presentation of a scientific poster (30 %). Week 2 of subject.Written essay (approximately 2,500 words) modelled on a research project proposal including analysis and presentation of preliminary data (50%) (Week 4 of semester).Peer review task (approximately 1000 words) where students are assigned and assess a colleague's research proposal under anonymity. (20 %). Week 6 of 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:	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, an advanced capacity for written and oral scientific 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:	Students must be enrolled in the Bachelor of Biomedicine (Honours) or Bachelor of Science (Honours) to complete this subject.
Related Majors/Minors/ Specialisations:	Microbiology and Immunology