

## MIIM40005 Microbiology and Immunology Research Project

<b>Credit Points:</b>	25									
<b>Level:</b>	4 (Undergraduate)									
<b>Dates &amp; Locations:</b>	2015, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.									
<b>Time Commitment:</b>	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.									
<b>Prerequisites:</b>	None									
<b>Corequisites:</b>	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>MIIM40002 Advanced Microbiology and Immunology I</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>MIIM40007 Advanced Microbiology and Immunology II</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	MIIM40002 Advanced Microbiology and Immunology I	Semester 1	12.50	MIIM40007 Advanced Microbiology and Immunology II	Semester 1	12.50
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MIIM40002 Advanced Microbiology and Immunology I	Semester 1	12.50								
MIIM40007 Advanced Microbiology and Immunology II	Semester 1	12.50								
<b>Recommended Background Knowledge:</b>	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.									
<b>Non Allowed Subjects:</b>	None									
<b>Core Participation Requirements:</b>	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Equitable Adjustment Procedure (SEAP), 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: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a>									
<b>Coordinator:</b>	Assoc Prof Katherine Kedzierska, Assoc Prof Scott Mueller, Prof Damian Purcell									
<b>Contact:</b>	<p>Subject Coordinators:</p> <p>A/Prof. Katherine Kedzierska <a href="mailto:kkedz@unimelb.edu.au">kkedz@unimelb.edu.au</a> (<a href="mailto:kkedz@unimelb.edu.au">mailto:kkedz@unimelb.edu.au</a>)</p> <p>A/Prof. Damian Purcell <a href="mailto:dfjp@unimelb.edu.au">dfjp@unimelb.edu.au</a> (<a href="mailto:dfjp@unimelb.edu.au">mailto:dfjp@unimelb.edu.au</a>)</p> <p>Dr Scott Mueller <a href="mailto:smue@unimelb.edu.au">smue@unimelb.edu.au</a> (<a href="mailto:smue@unimelb.edu.au">mailto:smue@unimelb.edu.au</a>)</p> <p>Administrative Coordinator:</p> <p>Ms Rebecca Whitsed <a href="mailto:rwhitsed@unimelb.edu.au">rwhitsed@unimelb.edu.au</a> (<a href="mailto:rwhitsed@unimelb.edu.au">mailto:rwhitsed@unimelb.edu.au</a>)</p>									
<b>Subject Overview:</b>	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									

	<p>existing scientific information; to develop skills in communication (both written and oral) of scientific concepts related to microbiology/immunology and related areas.</p> <p>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.</p> <p>MIIM40005 Microbiology and Immunology Research Project – 25 points (semester 1) MIIM40006 Microbiology and Immunology Research Project – 50 points (semester 2)</p>
<b>Learning Outcomes:</b>	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.
<b>Assessment:</b>	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%).
<b>Prescribed Texts:</b>	None
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Generic Skills:</b>	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.
<b>Links to further information:</b>	<a href="http://www.microbiol.unimelb.edu.au/">http://www.microbiol.unimelb.edu.au/</a>
<b>Notes:</b>	Students must be enrolled in the Bachelor of Biomedicine (Honours) or Bachelor of Science (Honours) to complete this subject.
<b>Related Majors/Minors/Specialisations:</b>	Microbiology and Immunology