

## BIOM90013 Project in Biomedical Science

<b>Credit Points:</b>	50						
<b>Level:</b>	9 (Graduate/Postgraduate)						
<b>Dates &amp; Locations:</b>	2014, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.						
<b>Time Commitment:</b>	Contact Hours: Distribution of time between specific tasks will be decided in negotiation with the supervisor, but an overall commitment of 10 hours per week (per 12.5 credit points) is expected. Total Time Commitment: 170 hours per 12.5 credit points.						
<b>Prerequisites:</b>	None						
<b>Corequisites:</b>	None						
<b>Recommended Background Knowledge:</b>	It is intended that students will take BIOM40001 - Introduction to Biomedical Research in their first semester of the Master of Biomedical Science, to compliment the Project in Biomedical Science subjects. <table border="1" data-bbox="387 772 1485 920"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BIOM40001 Introduction To Biomedical Research</td> <td>February</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	BIOM40001 Introduction To Biomedical Research	February	12.50
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BIOM40001 Introduction To Biomedical Research	February	12.50					
<b>Non Allowed Subjects:</b>	None						
<b>Core Participation Requirements:</b>	It is University policy to take all reasonable steps to minimise the impact of disability upon academic study and reasonable steps will be made to enhance a student's participation in the University's programs. This subject requires all students to actively and safely participate in laboratory activities. Students who feel their disability may impact upon their participation are encouraged to discuss this with the subject coordinator and the Disability Liaison Unit.						
<b>Coordinator:</b>	Prof Lea Delbridge						
<b>Contact:</b>	All enquiries should be directed to Melbourne Medical School: <b><a href="mailto:mms-postgrad@unimelb.edu.au">mms-postgrad@unimelb.edu.au</a> (mailto:mms-postgrad@unimelb.edu.au)</b> Web: <b><a href="http://medicine.unimelb.edu.au">http://medicine.unimelb.edu.au</a> (http://medicine.unimelb.edu.au)</b>						
<b>Subject Overview:</b>	This subject provides students with the opportunity to design and conduct, under supervision, independent research in biomedical science. Specific research projects will depend upon the availability of appropriate expertise and resources. Students will take responsibility for a research project, including the design of field and/or laboratory experiments; collection, appropriate statistical analysis, and interpretation of data; and oral and written presentations of the results. The report describing the research will more closely resemble a scientific paper than a traditional thesis. Students will assimilate and critically evaluate new knowledge within a scientific paradigm and communicate that knowledge to others. Students will also develop skills in managing a scientific research project, writing scientific reports, providing and responding to peer reviews, and making an oral presentation. Students will identify an appropriate supervisor and project as part of the application process for the Master of Biomedical Science (MC-BMEDSC).  Please note, this subject is part of the Master of Biomedical Science subject set (BIOM90012; BIOM90013; BIOM90014; and BIOM90015). Students must undertake 125 credit points from this subject set throughout the course of the Master of Biomedical Science.						
<b>Learning Outcomes:</b>	The objectives of this subject are to provide students with skills in: <ul style="list-style-type: none"> <li>•conducting research in biomedical and health sciences;</li> <li>•designing experiments;</li> </ul>						

	<ul style="list-style-type: none"> <li>•taking responsibility for managing a research project;</li> <li>•preparing and giving an oral and written presentation of the results;</li> <li>•expressing intellectual, scientific arguments;</li> <li>•assimilating and critically evaluating existing knowledge within a scientific paradigm.</li> </ul>
<b>Assessment:</b>	<p>The assessment requirements below are applicable to the entire Research Project (125 points).</p> <ul style="list-style-type: none"> <li>•Participation in Research Project activities and attendance levels of at least 80%, for the duration of the Research Project (hurdle);</li> <li>•A literature review of up to 6000 words, due around the mid-way point of the project (hurdle);</li> <li>•Two 15-20-minute oral presentations, one of which is due around the mid-way point of the Research Project and one which is due at the time of submission of the research report (hurdle); and</li> <li>•A research report of up to 20,000 words, due towards the end of the final semester of this subject (100% assessment). Satisfactory performance is required for the completion of 'hurdle' components. If necessary for written and oral components this may involve re-submission or re-presentation. For failed hurdle in Research Project attendance, subject re-enrolment would be required, and would be resolved through the CUPC process.</li> </ul>
<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>	<p>At the completion of this subject, students should gain skills in:</p> <ul style="list-style-type: none"> <li>•articulating the breadth of knowledge gained in a particular discipline;</li> <li>•critical appraisal of draft documents; developing the ability to exercise critical judgement;</li> <li>•expressing persuasive intellectual arguments;</li> <li>•high level written report presentations;</li> <li>•managing a research project;</li> <li>•oral communication and presentation;</li> <li>•rigorous and independent thinking; and</li> <li>•time management and self-management skills.</li> </ul>
<b>Links to further information:</b>	<a href="http://medicine.unimelb.edu.au/__data/assets/pdf_file/0011/890822/Master_of_Biomedical_Science_Information_Guide_2014_v1.2.pdf">http://medicine.unimelb.edu.au/__data/assets/pdf_file/0011/890822/Master_of_Biomedical_Science_Information_Guide_2014_v1.2.pdf</a>