

## BIOM90004 Project in Biomedical & Health Sciences

<b>Credit Points:</b>	37.50
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	2011, Parkville This subject commences in the following study period/s: Summer Term, Parkville - Taught on campus. Semester 1, Parkville - Taught on campus. 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 point loading) is expected. Total Time Commitment: Not available
<b>Prerequisites:</b>	Students must satisfy the requirements for entry into the MSc program.
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<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 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 may 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>	Prof Lea Delbridge
<b>Contact:</b>	Melbourne Graduate School of Science Faculty of Science Web: <a href="http://graduate.science.unimelb.edu.au/">http://graduate.science.unimelb.edu.au/</a> ( <a href="http://graduate.science.unimelb.edu.au/">http://graduate.science.unimelb.edu.au/</a> )
<b>Subject Overview:</b>	<p>This subject provides students with the opportunity to design and conduct, under supervision, independent research in biomedical and health sciences. 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.</p> <p>Students will identify an appropriate supervisor and negotiate a project area.</p> <p>Subject to supervisor approval, students may enrol in a combination of research project subjects as indicated below over their two years of full-time study or four years of part-time study, to ensure they have completed a total of 125 points for the major research project by the end of their course.</p> <p>125 point Major Research Project:</p> <ul style="list-style-type: none"> <li># BIOM90001 Project in Biomedical &amp; Health Sciences Major – 12.5 points</li> <li># BIOM90003 Project in Biomedical &amp; Health Sciences Major – 25.0 points</li> <li># BIOM90004 Project in Biomedical &amp; Health Sciences Major – 37.5 points</li> <li># BIOM90005 Project in Biomedical &amp; Health Sciences Major – 50 points</li> </ul>

<b>Objectives:</b>	<p>The objectives of this subject are to provide students with skills in:</p> <ul style="list-style-type: none"> <li># conducting research in biomedical and health sciences;</li> <li># designing experiments;</li> <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 or 75 points).A literature review of up to 4,000 words, due toward the end of the second semester of this subject (hurdle); two 20 minute oral presentations, due towards the end of the second and final semester of this subject (hurdle); and a major research report of up to 15,000 words, due towards the end of the final semester of this subject (100%). Satisfactory performance is required for the completion of 'hurdle' components. If necessary this may involve re-submission or re-presentation.</p>
<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;</li> <li># 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>