

# Physiology

<b>Year and Campus:</b>	2012																		
<b>Coordinator:</b>	Assoc Prof Graham Barrett																		
<b>Contact:</b>	Email: <a href="mailto:grahamlb@unimelb.edu.au">grahamlb@unimelb.edu.au</a> (mailto:grahamlb@unimelb.edu.au)																		
<b>Overview:</b>	<p><b>Areas of Specialisation</b></p> <p>Research within the department is grouped into three areas of specialization:</p> <ul style="list-style-type: none"> <li># Cardiovascular Health: Cardiac Phenomics, Central Cardiovascular Regulation, Fetal, Postnatal &amp; Adult Physiology and Disease, Genes &amp; Blood Pressure.</li> <li># Muscle &amp; Exercise: Exercise Muscle &amp; Metabolism, Basic &amp; Clinical Myology, Confocal &amp; Fluorescence Imaging;</li> <li># Neurophysiology: Enteric Neuroscience, Molecular Neuroscience.</li> </ul>																		
<b>Objectives:</b>	<p>The program in physiology is designed to:</p> <ul style="list-style-type: none"> <li># enhance students' knowledge and understanding of the principles of the control of body function and the current development in a specific area of interest;</li> <li># engage students in research in a structured and supervised environment;</li> <li># introduce students to the professional skills required of a successful physiologist (grant writing, critical appreciation of scientific writing, peer communication); and</li> <li># develop the processes of independent, lifelong learning using the scientific literature.</li> </ul>																		
<b>Structure &amp; Available Subjects:</b>	<p>The Postgraduate Diploma of Science (Physiology) consists of:</p> <ul style="list-style-type: none"> <li># Research (75 points);</li> <li># Advanced Coursework (25 points) .</li> </ul>																		
<b>Subject Options:</b>	<p><b>Research</b></p> <p>This involves undertaking an original, supervised research project. A written report (thesis), not exceeding 10 000 words, is to be submitted at the end of the program. In addition, assessment includes two oral presentations and a literature review.</p> <p>Students must take:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>PHYS40005 Physiology Research Project</td> <td>Semester 1</td> <td>25</td> </tr> <tr> <td>PHYS40006 Physiology Research Project</td> <td>Semester 2</td> <td>50</td> </tr> </tbody> </table> <p><b>Advanced Coursework</b></p> <p>Students must take:</p> <table border="1"> <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> <tr> <td>PHYS90008 Advanced Seminars in Physiology</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	PHYS40005 Physiology Research Project	Semester 1	25	PHYS40006 Physiology Research Project	Semester 2	50	Subject	Study Period Commencement:	Credit Points:	BIOM40001 Introduction To Biomedical Research	February	12.50	PHYS90008 Advanced Seminars in Physiology	Semester 1	12.50
Subject	Study Period Commencement:	Credit Points:																	
PHYS40005 Physiology Research Project	Semester 1	25																	
PHYS40006 Physiology Research Project	Semester 2	50																	
Subject	Study Period Commencement:	Credit Points:																	
BIOM40001 Introduction To Biomedical Research	February	12.50																	
PHYS90008 Advanced Seminars in Physiology	Semester 1	12.50																	
<b>Links to further information:</b>	<a href="http://graduate.science.unimelb.edu.au/">http://graduate.science.unimelb.edu.au/</a>																		
<b>Related Course(s):</b>	Postgraduate Diploma in Science																		