

# Paediatrics

<b>Year and Campus:</b>	2012																
<b>Coordinator:</b>	Associate Professor Amanda Fosang																
<b>Contact:</b>	Academic Coordinator: Associate Professor Amanda Fosang <a href="mailto:amanda.fosang@mcri.edu.au">amanda.fosang@mcri.edu.au</a> ( <a href="mailto:amanda.fosang@mcri.edu.au">amanda.fosang@mcri.edu.au</a> )																
<b>Overview:</b>	The University of Melbourne Department of Paediatrics offers an Honour Course in collaboration with its campus partners at the Murdoch Childrens Research Institute and the Royal Children's Hospital. Many diverse and exciting research programs are available on campus and include laboratory, clinical and public health research. The Honours subject provides students with the opportunity to design and conduct a biomedical research project, under supervision, in any one of these areas. Students will develop their own research project through hypothesis testing, experimental design and practical experimentation, statistical analysis, data interpretation and dissemination of the research findings via podium and written presentations. A molecular background in at least one of Biochemistry, Genetics, Biology or Anatomy & Cell Biology subjects is strongly recommended.																
<b>Objectives:</b>	<p>The objectives of this subject are to:</p> <ul style="list-style-type: none"> <li>• Provide training and experience in specialised research skills, hypothesis testing and experimental design</li> <li>• Provide an opportunity to do cutting-edge research in a primary healthcare environment on topics related to human health and disease</li> <li>• Encourage independent thinking and critical analysis of the scientific literature</li> <li>• Develop verbal and written communication skills to a very high standard</li> <li>• Encourage initiative, originality and resourcefulness in conducting biomedical research</li> <li>• Develop a clear understanding of the issues surrounding research ethics and scientific integrity</li> </ul>																
<b>Structure &amp; Available Subjects:</b>	<p>The Honours program consists of 100 credit points completed over 12 months full time (or part time equivalent) comprising of two (2) Advanced Coursework subjects and a Research Project. To be awarded Honours with a specialisation in the Biology of Human Health and Disease (Paediatrics), students must successfully complete the following:</p> <ul style="list-style-type: none"> <li># BIOM40001 Introduction to Biomedical Research (12.5 points)</li> <li># PAED40002 The Biology of Human Health and Disease (12.5 points)</li> <li># PAED40001 and PAED40005 - Paediatrics Research Project (75 points)</li> </ul> <p>There are no elective subjects in this Honours program.</p>																
<b>Subject Options:</b>	<p><b>Coursework Component</b> Students must complete 25 credit points of advanced coursework subjects. This is achieved by enrolling in the following subjects in the appropriate semesters.</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>PAED40002 The Biology of Human Health and Disease</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table> <p><b>Research Component</b> Students must complete a total of 75 credit points of research across the duration of the Honours program. This is achieved by enrolling in a combination of the following subjects in the appropriate semesters.</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>PAED40001 Paediatrics Research Project</td> <td>May, Semester 1</td> <td>25</td> </tr> </tbody> </table>		Subject	Study Period Commencement:	Credit Points:	BIOM40001 Introduction To Biomedical Research	February	12.50	PAED40002 The Biology of Human Health and Disease	Semester 1	12.50	Subject	Study Period Commencement:	Credit Points:	PAED40001 Paediatrics Research Project	May, Semester 1	25
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	PAED40005 Paediatrics Research Project	May, Semester 2	50
<b>Links to further information:</b>	<a href="http://www.paediatrics.unimelb.edu.au/">http://www.paediatrics.unimelb.edu.au/</a>		
<b>Related Course(s):</b>	Bachelor of Biomedicine (Degree with Honours) Bachelor of Science (Degree with Honours)		