

# PATH20001 Exploring Human Disease - Science

<b>Credit Points:</b>	12.50																																												
<b>Level:</b>	2 (Undergraduate)																																												
<b>Dates &amp; Locations:</b>	2012, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.																																												
<b>Time Commitment:</b>	Contact Hours: 24 lectures (2 per week) and 10 hours (5 x 2) of Computer Aided Learning (CAL) sessions. Total Time Commitment: 120 hours (which includes study time).																																												
<b>Prerequisites:</b>	<p>Pre-2008:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>CHEM10003 Chemistry 1</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p>and</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>CHEM10004 Chemistry 2</td> <td>Summer Term, Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p>and</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BIOL10004 Biology of Cells and Organisms</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table> <p>and</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BIOL10005 Genetics &amp; The Evolution of Life</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p>OR New Generation B. Science:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>CHEM10003 Chemistry 1</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p>and</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>CHEM10004 Chemistry 2</td> <td>Summer Term, Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p>and</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BIOL10004 Biology of Cells and Organisms</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table> <p>and</p>			Subject	Study Period Commencement:	Credit Points:	CHEM10003 Chemistry 1	Semester 1, Semester 2	12.50	Subject	Study Period Commencement:	Credit Points:	CHEM10004 Chemistry 2	Summer Term, Semester 2	12.50	Subject	Study Period Commencement:	Credit Points:	BIOL10004 Biology of Cells and Organisms	Semester 1	12.50	Subject	Study Period Commencement:	Credit Points:	BIOL10005 Genetics & The Evolution of Life	Semester 2	12.50	Subject	Study Period Commencement:	Credit Points:	CHEM10003 Chemistry 1	Semester 1, Semester 2	12.50	Subject	Study Period Commencement:	Credit Points:	CHEM10004 Chemistry 2	Summer Term, Semester 2	12.50	Subject	Study Period Commencement:	Credit Points:	BIOL10004 Biology of Cells and Organisms	Semester 1	12.50
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Students must have completed (or be concurrently enrolled in)		
Subject	Study Period Commencement:	Credit Points:
BCMB20002 Biochemistry and Molecular Biology	Semester 1, Semester 2	12.50
AND		
Subject	Study Period Commencement:	Credit Points:
BCMB20005 Techniques in Molecular Science	Semester 1, Semester 2	12.50
<b>Corequisites:</b>	None	
<b>Recommended Background Knowledge:</b>	Chemistry and Biology	
<b>Non Allowed Subjects:</b>	This subject is not available to students enrolled in B.Biomedicine.	
<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. Students who feel their disability may impact upon their participation are encouraged to discuss this with the subject coordinator 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>	Dr Theo Mantamadiotis, Dr Vicki Lawson	
<b>Contact:</b>	Academic Coordinator Dr Vicki Lawson <a href="mailto:v.lawson@unimelb.edu.au">v.lawson@unimelb.edu.au</a> ( <a href="mailto:v.lawson@unimelb.edu.au">mailto:v.lawson@unimelb.edu.au</a> ) Dr Theo Mantamadiotis <a href="mailto:theom@unimelb.edu.au">theom@unimelb.edu.au</a> ( <a href="mailto:theom@unimelb.edu.au">mailto:theom@unimelb.edu.au</a> ) Administrative Coordinator Ms Lesley Robinson <a href="mailto:BiomedSci-AcademicServices@unimelb.edu.au">BiomedSci-AcademicServices@unimelb.edu.au</a> ( <a href="mailto:BiomedSci-AcademicServices@unimelb.edu.au">mailto:BiomedSci-AcademicServices@unimelb.edu.au</a> )	
<b>Subject Overview:</b>	This subject will introduce the fundamental principles of, and current questions about human pathology by study of causes, mechanisms of development and possible outcomes of disease, including defence and repair processes which occur in response to malfunction of tissues and organs.	
<b>Objectives:</b>	By the end of the semester students should: <ul style="list-style-type: none"> <li>• understand the basic principles operating during the initiation and development of human disease.</li> <li>• understand the terminology used to discuss pathology concepts and questions.</li> <li>• have the ability to understand and think critically about the relationship between normal and abnormal cellular structure and function.</li> </ul>	
<b>Assessment:</b>	Ongoing Computer Aided Learning (CAL) exercises (Hurdle requirement) One multiple choice question test in Week 7 (30%) A 2 hour written examination during the Exam period (70%)	

<b>Prescribed Texts:</b>	Kumar V, et. al., Robbins Basic Pathology, Saunders Elsevier, latest edition.
<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>On completion of this subject, students should have developed the following skills:</p> <ul style="list-style-type: none"> <li># an understanding of terminology used to discuss pathology concepts and questions.</li> <li># an ability to understand and think critically about the relationship between normal and abnormal cellular structure and function.</li> <li># an ability to organise and see the relationship between complex concepts.</li> </ul>
<b>Notes:</b>	This subject will be available to B.Science students only.
<b>Related Course(s):</b>	Bachelor of Biomedicine
<b>Related Majors/Minors/ Specialisations:</b>	Science credit subjects* for pre-2008 BSc, BASc and combined degree science courses Science-credited subjects - new generation B-SCI and B-ENG. Core selective subjects for B-BMED.