

# PATH20001 Exploring Human Disease - Science

<b>Credit Points:</b>	12.50		
<b>Level:</b>	2 (Undergraduate)		
<b>Dates &amp; Locations:</b>	2010, 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>	Pre-2008:		
	<b>Subject</b>	<b>Study Period Commencement:</b>	<b>Credit Points:</b>
	CHEM10003 Chemistry 1	Semester 1, Semester 2	12.50
	and		
	<b>Subject</b>	<b>Study Period Commencement:</b>	<b>Credit Points:</b>
	CHEM10004 Chemistry 2	January, Semester 2	12.50
	and		
	<b>Subject</b>	<b>Study Period Commencement:</b>	<b>Credit Points:</b>
	BIOL10004 Biology of Cells and Organisms	Semester 1	12.50
	and		
	<b>Subject</b>	<b>Study Period Commencement:</b>	<b>Credit Points:</b>
	BIOL10005 Genetics & The Evolution of Life	Semester 2	12.50
	OR New Generation B. Science:		
	<b>Subject</b>	<b>Study Period Commencement:</b>	<b>Credit Points:</b>
	CHEM10003 Chemistry 1	Semester 1, Semester 2	12.50
	and		
	<b>Subject</b>	<b>Study Period Commencement:</b>	<b>Credit Points:</b>
	CHEM10004 Chemistry 2	January, Semester 2	12.50
	and		
	<b>Subject</b>	<b>Study Period Commencement:</b>	<b>Credit Points:</b>
	BIOL10004 Biology of Cells and Organisms	Semester 1	12.50
	and		
	<b>Subject</b>	<b>Study Period Commencement:</b>	<b>Credit Points:</b>
	BIOL10005 Genetics & The Evolution of Life	Semester 2	12.50
<b>Corequisites:</b>	Corequisites are:		
	<b>Subject</b>	<b>Study Period Commencement:</b>	<b>Credit Points:</b>

	<table border="1"> <tr> <td>BCMB20002 Biochemistry and Molecular Biology</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>BCMB20005 Techniques in Molecular Science</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> </table>	BCMB20002 Biochemistry and Molecular Biology	Semester 1	12.50	BCMB20005 Techniques in Molecular Science	Semester 1, Semester 2	12.50
BCMB20002 Biochemistry and Molecular Biology	Semester 1	12.50					
BCMB20005 Techniques in Molecular Science	Semester 1, Semester 2	12.50					
<b>Recommended Background Knowledge:</b>	Chemistry and Biology						
<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: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a>						
<b>Coordinator:</b>	Dr Margaret Ayers						
<b>Contact:</b>	<p>Dr John Underwood:  <a href="mailto:johnru@unimelb.edu.au">johnru@unimelb.edu.au</a> (<a href="mailto:johnru@unimelb.edu.au">mailto:johnru@unimelb.edu.au</a>)</p> <p>Dr Margaret Ayers:  <a href="mailto:m.ayers@unimelb.edu.au">m.ayers@unimelb.edu.au</a> (<a href="mailto:m.ayers@unimelb.edu.au">mailto:m.ayers@unimelb.edu.au</a>)</p> <p>Administrative Coordinator:  Mrs Katrina Rush</p>						
<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>	<p>By the end of the semester students should:</p> <ul style="list-style-type: none"> <li># understand the basic principles operating during the initiation and development of human disease.</li> <li># understand the language used to accurately describe and ask questions about these processes.</li> </ul>						
<b>Assessment:</b>	Hurdle requirements:Hand-in of question sheet from each Computer Aided Learning (CAL) exercise.Hand-in of completed Revision Question sheets during the semester (dates to be advised at the start of the semester).One multiple choice question test, towards the end of the semester (30%);A 2 hour written examination in the examination 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 run concurrently with 531-202 Exploring Human Disease - Optometry. This subject will be available to B.Science students only.						
<b>Related Course(s):</b>	Bachelor of Science Graduate Diploma in Biotechnology						