

PATH30003 Frontiers in Human Disease

Credit Points:	12.5						
Level:	3 (Undergraduate)						
Dates & Locations:	2015, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.						
Time Commitment:	Contact Hours: 36 lectures (3 per week) Total Time Commitment: 170 hours						
Prerequisites:	B. Science and B. Biomedicine students: <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>PATH30001 Mechanisms of Human Disease</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	PATH30001 Mechanisms of Human Disease	Semester 1	12.50
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PATH30001 Mechanisms of Human Disease	Semester 1	12.50					
Corequisites:	None						
Recommended Background Knowledge:	Pathology and Biochemistry						
Non Allowed Subjects:	None						
Core Participation Requirements:	<p><p>For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.</p> <p>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 Student Equity and Disability Support: http://services.unimelb.edu.au/disability</p> </p>						
Coordinator:	Assoc Prof Fred Hollande, Dr Theo Mantamadiotis						
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Subject Overview:	<p>Frontiers in Human Disease introduces students to topics at the forefront of pathology. Lectures are delivered by clinicians, scientists and diagnostic pathologists to give students an appreciation of the latest advances in science and medicine. Through these lectures students will develop an understanding the cellular, molecular and genetic basis of major diseases affecting society.</p> <p>Science and Biomedicine students intending to take a major in Pathology are required to enrol in PATH30003 (this subject), PATH30001 and PATH30002.</p> <p>Biomedicine students intending to take the Defence and Disease major MUST consult the Major Information Booklet.</p>						

Learning Outcomes:	From the lectures, students will understand the important relationship between basic research and the investigation of complex diseases and how research discoveries can contribute to the diagnosis, prevention and treatment of disease.
Assessment:	Two multiple choice question tests during semester (20% each); A 3 hour written examination in the examination period (60%).
Prescribed Texts:	Kumar V. et al., Robbins and Cotran Pathologic Basis of Disease, latest edition, Saunders Elsevier and journal articles as directed in lectures.
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	At the end of this subject students should have consolidated the following skills: <ul style="list-style-type: none"> • the ability to understand and link complex overlapping and related ideas. • the ability to source, organise, read and understand reference material which covers a wide range of related and diverse topics about disease. • the ability to ask questions about complex processes which are currently under active investigation.
Related Majors/Minors/ Specialisations:	Biotechnology (pre-2008 Bachelor of Science) Defence and Disease Microbiology Pathology Science-credited subjects - new generation B-SCI and B-ENG. Selective subjects for B-BMED