PATH30001 Mechanisms of Human Disease

Credit Points:	12.50
Level:	3 (Undergraduate)
Dates & Locations:	This subject is not offered in 2013.
Time Commitment:	Contact Hours: 36 lectures (3 per week) Total Time Commitment: 120 hours (10 hours per week)
Prerequisites:	B. Science students: **Subject** / **Study Period Commencement:** / **Credit Points:** PATH20001 Exploring Human Disease - Science / Not offered 2013 / 12.50 and **Subject** / **Study Period Commencement:** / **Credit Points:** BCMB20002 Biochemistry and Molecular Biology / Not offered 2013 / 12.50 B. Biomedicine students: **Subject** / **Study Period Commencement:** / **Credit Points:** BIOM20001 Molecular and Cellular Biomedicine / Not offered 2013 / 25 B. Biomedical Science students: **531-201 Basic Principles of Pathology** (pre-2009)
Corequisites:	None
Recommended Background Knowledge:	Students who do not have the Biochemistry prerequisites will be considered for entry into this subject on a case-by-case basis if they have appropriate marks in equivalent biomedical subjects.
Non Allowed Subjects:	None
Core Participation Requirements:	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/
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Subject Overview:	This subject extends the concepts and examination of disease commenced in second year Pathology (PATH20001, BIOM20001) with a focus on the following areas: cellular and molecular aspects underlying fundamental pathogenic mechanisms in organ specific pathologies. This subject is available to both B.Science and B.Biomedicine students. Science and Biomedicine students intending to take a major in Pathology are required to enroll in PATH30001 (this subject), PATH30002 and PATH30003. Biomedicine students intending to take the Defence & Disease major MUST consult the Major Information Booklet.
Objectives:	On completion of this subject students should have: • extended and deepened their understanding of the fundamental concepts involved in pathology, begun in second year. • developed an understanding of the cellular and molecular bases of a variety of disease processes and their relationship to normal cellular and molecular structure and function.
Assessment:	Two multiple choice question tests during the 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.
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 developed the following skills: • 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.
Notes:	# Science students who do not want to do a Major in Pathology and do not have the Biochemistry prerequisites will be considered for entry into this subject on a case-by-case basis if they have appropriate marks in equivalent biomedical subjects. # This subject is available to both B.Science and B.Biomedicine students.
Related Majors/Minors/ Specialisations:	Animal Cell Biology (specialisation of Cell and Developmental Biology major) Cell Biology (pre-2008 Bachelor of Science) Defence and Disease Human Structure and Function Pathology Reproduction and Development (specialisation of Cell and Developmental Biology major) 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.