531-301 Cellular Basis of Disease

Credit Points:	12.50
Level:	3 (Undergraduate)
Dates & Locations:	2009, This subject commences in the following study period/s: Semester 1, - Taught on campus.
Time Commitment:	Contact Hours: 36 lectures (three per week) Total Time Commitment: 120 hours
Prerequisites:	531-201; biochemistry and molecular biology 521-211, 521-212 and 521-220
Corequisites:	None
Recommended Background Knowledge:	Anatomy and cell biology 516-201; biochemistry and molecular biology 521-301 and/or 521-302; or microbiology and immunology 526-304 plus 526-324.
Non Allowed Subjects:	None
Core Participation Requirements:	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 active and safe participation in a subject are encouraged to discuss this with the relevant subject coordinator and the Disability Liaison Unit.
Coordinator:	Dr Margaret Ayers
Subject Overview:	This subject will extend and deepen studies of basic principles of Pathology begun in the introductory second year Pathology subject. It will lead to an understanding of the cellular and molecular basis of a variety of disease processes and their relationship to normal cellular and molecular structure and function. Students will also consider ways in which research questions about these disease processes are formulated and investigated.
Objectives:	# To understand disease processes at the molecular level. # To consider intellectual and practical ways in which research questions are constructed and acted upon.
Assessment:	Two multiple choice question tests during the semester (15% each); a 3-hour written examination in the examination period (70%).
Prescribed Texts:	Robbins Pathologic Basis of Disease (R S Cotran), latest edition, Saunders Pathology (E Rubin and J L Farber), latest edition, Lippincott
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
Notes:	This subject may be taken as part of a major in Pathology or as a single (selective/elective) subject, as long as pre-requisites are satisfied. Students intending to take a major in Pathology are required to enrol in both Mechanisms of Human Disease and Techniques for Investigation of Disease. This subject will be available to both B.Science and B.Biomedicine students. Bachelor of Biomedical Engineering students must have successfully completed the first and second year of the Biocellular streams.
Related Course(s):	Bachelor of Biomedical Science Bachelor of Engineering (Biomedical)Biocellular Graduate Diploma in Biotechnology

Related Majors/Minors/ Specialisations:	Pathology