

531-304 Molecular/Genetic Basis of Disease-Prac

Credit Points:	12.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: 60 hours of practical work (five hours per week) Total Time Commitment: 120 hours
Prerequisites:	531-301 and 531-302; biochemistry and molecular biology 521-211, 521-212 and 521-220.
Corequisites:	531-303 Molecular and Genetic Basis of Disease - Lectures.
Recommended Background Knowledge:	Biochemistry and molecular biology 521-301 and/or 302; or microbiology 526-304 and microbiology 526-324.
Non Allowed Subjects:	Credit cannot be gained for both 531-304 and 531-305.
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. 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.
Coordinator:	Dr J R Underwood; Dr M M Ayers
Subject Overview:	Students completing this subject will: <ul style="list-style-type: none"> # develop an appreciation of the spectrum of cellular, molecular and genetic responses to injury and the approaches and techniques used for their investigation; and # carry out under supervision a group experimental project chosen from the following areas: neuropathology, ophthalmic pathology, immunopathology, transplantation, toxicology, oncology, vascular pathology, virology, renal pathology, liver pathology and haematology in a departmental research laboratory. The project will demonstrate the thought processes, techniques, data collection, analysis and interpretation involved in experimental work investigating disease.
Assessment:	A practical report of up to 1500 words due at the end of semester (60%); a 45-minute group seminar presentation during the semester (20%); continuous demonstrator assessment of laboratory performance throughout the semester (20%). Submission of all practical reports is necessary to pass the subject. Hurdle requirement: attendance at all pre-practical talks and all practical sessions is compulsory.
Prescribed Texts:	References to current scientific journal articles will be given during the semester.
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:	Students enrolled in the BSc (pre-2008 BSc), BASc or a combined BSc course will receive science credit for the completion of this subject. Practical project allocation will be completed after publication of results in 531-301 and 531-302 and finalised during the mid-year semester break. Entry into this subject is dependent on successful completion of 531-301 and 531-302. See department for details.
Related Course(s):	Bachelor of Arts and Bachelor of Science Bachelor of Arts and Sciences

Bachelor of Biomedical Science
Bachelor of Science