GENE90018 Advanced Topics in Genetics B

Credit Points:	12.5
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	This subject is not offered in 2016. This subject is offered in alternate years.
Time Commitment:	Contact Hours: 30 contact hours comprising 10 two-hour lectures/lecture discussions and 10 hours of student presentations. Total Time Commitment: 170 hours.
Prerequisites:	Completion or concurrent enrolment in both of the following (or equivalent)

Subject	Study Period Commencement:	Credit Points:
GENE30001 Evolutionary Genetics and Genomics	Semester 1	12.50
GENE30002 Genes: Organisation and Function	Semester 1	12.50

Corequisites:	None
Recommended Background Knowledge:	None
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/
Contact:	**alex.a@unimelb.edu.au (mailto:alex.a@unimelb.edu.au)**
Subject Overview:	This subject will focus on one or more current areas of Genetic research and aims to provide students with an in-depth coverage of these areas with respect to recent advances and insights. This subject will extend basic knowledge in these areas gained during a student's undergraduate degree. The topics of this subject will change from year to year but the subject will consist of blocks of lectures in the chosen topics, literature review and analysis where published papers are analysed and discussed and of student oral presentations. The subject provides students with skills and knowledge for understanding original research and enhanced oral communication skills.
Learning Outcomes:	Objectives of this subject are for students to: # understand the way in which experiments in genetics are designed, communicated and interpreted; # extend their abilities in oral and written scientific communication; and # gain the ability to read and assimilate specific research papers and to understand how the research reported relates to the broad field of genetics. The subject involves lectures and lecture/discussions on research papers in one or more areas of genetics.
Assessment:	One individual 20 minute oral presentation (early in subject - 30%); One or two written assignment(s) (total 3000 words) (mid-subject - 40%); A group presentation (end of subject - 30%).
Prescribed Texts:	None

Recommended Texts:	None
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:	This subject will provide students with the opportunity to develop the following generic skills: # the ability to evaluate scientific literature; # the ability to use conceptual models to assess experimental data; # the capacity to articulate their knowledge and understanding in written and oral presentations; # the capacity for high level written report presentation skills # the capacity for oral communication and presentation skills # time management and self-management skills
Related Course(s):	Master of Science (Genetics)
Related Majors/Minors/ Specialisations:	Genetics Genetics Honours Program - BioSciences Honours Program - Genetics