652-303 Developmental and Cellular Genetics

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: 36 lectures (three per week) Total Time Commitment: 120 hours
Prerequisites:	Genetics 652-214 and 652-215. BBiomedSc students: Genetics 652-214, 521-213 and 536-250. Genetics 652-302 is recommended.
Corequisites:	None
Recommended Background Knowledge:	None
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 A Andrianopoulos
Subject Overview:	Upon completion of the subject, students should have: # become familiar with the techniques and concepts involved in the genetic investigation as applied to the developmental process and cell biology of various eukaryotic organisms; # understood the usefulness of genetic analysis as a means to dissect biological systems; and # gained a knowledge and understanding of some current biological problems, and of the application of genetic analysis to these problems. The subject will cover developmental genetics in plants, animals and microorganisms; chromatin structure and its implication for gene regulation and development; neurogenetics; genome plasticity; oncogenetics; immunogenetics; and somatic cell genetics.
Assessment:	Two assignments/problem-solving tasks of up to 1000 words each due during the semester (30%); a 3-hour written examination in the examination period (70%).
Prescribed Texts:	None
Breadth Options:	This subject is a level 2 or level 3 subject and is not available to new generation degree students as a breadth option in 2008. This subject or an equivalent will be available as breadth in the future. Breadth subjects are currently being developed and these existing subject details can be used as guide to the type of options that might be available. 2009 subjects to be offered as breadth will be finalised before re-enrolment for 2009 starts in early October.
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.

Related Course(s):	Bachelor of Arts and Bachelor of Science Bachelor of Arts and Sciences Bachelor of Biomedical Science Bachelor of Science