

Genetics

Year and Campus:	2013												
Coordinator:	Prof James Camakaris												
Contact:	<p>Melbourne Graduate School of Science Faculty of Science The University of Melbourne Victoria 3010</p> <p>Tel: + 61 3 8344 6128 Fax: +61 3 8344 3351</p> <p>Web: http://graduate.science.unimelb.edu.au/ (http://graduate.science.unimelb.edu.au/)</p>												
Overview:	<p>The Graduate Diploma allows students who have completed an undergraduate degree to re-focus or expand their body of knowledge by completing the requirement of one of the undergraduate majors (or equivalent) in the Bachelor of Science not already completed. Students will be required to have completed level 1 prerequisites. This provides a pathway to the Master of Science Streams.</p>												
Objectives:	<p>Students who complete the graduate diploma should:</p> <ul style="list-style-type: none"> # Demonstrate an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories and methodologies that are applied with intellectual honesty and a respect for ethical values; # Apply critical and analytical skills and methods to the identification and resolution of problems # Act as informed and critically discriminating participants within the community of scholars, as citizens and in the work force; # Communicate effectively; # Commit to continuous learning; # Be proficient in the use of appropriate modern technologies, such as the computer and other information technology systems, for the acquisition, processing and interpretation of data. 												
Structure & Available Subjects:	<p>Completion of 100 points:</p> <ul style="list-style-type: none"> # 50 points of study at Level 3; # 50 points of study at Level 2 or above. 												
Subject Options:	<p><i>Subject prerequisites –at least 25 points of level 1 or above biological sciences subject.</i></p> <p>Level 2</p> <p>Students should select 50 points of level 2 options to meet the pre-requisites for their level 3 choices.</p> <p>Students must take:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>GENE20001 Principles of Genetics</td> <td>Not offered 2013</td> <td>12.50</td> </tr> <tr> <td>GENE20002 Genes and Genomes</td> <td>Not offered 2013</td> <td>12.50</td> </tr> <tr> <td>GENE20003 Experiments in Genetics</td> <td>Not offered 2013</td> <td>12.50</td> </tr> </tbody> </table> <p>Plus 12.5 points at Level 2 or 3</p> <p><i>* Depending on Level 3 choices, students may need Level 2 Biology, Botany, Anatomy, Physiology, Biochemistry and Molecular Biology, Ecology, DASC.</i></p> <p>Level 3</p>	Subject	Study Period Commencement:	Credit Points:	GENE20001 Principles of Genetics	Not offered 2013	12.50	GENE20002 Genes and Genomes	Not offered 2013	12.50	GENE20003 Experiments in Genetics	Not offered 2013	12.50
Subject	Study Period Commencement:	Credit Points:											
GENE20001 Principles of Genetics	Not offered 2013	12.50											
GENE20002 Genes and Genomes	Not offered 2013	12.50											
GENE20003 Experiments in Genetics	Not offered 2013	12.50											

All three of:

Subject	Study Period Commencement:	Credit Points:
GENE30001 Evolutionary Genetics and Genomics	Not offered 2013	12.50
GENE30002 Genes: Organisation and Function	Not offered 2013	12.50
GENE30004 Genetic Analysis	Not offered 2013	12.50

Plus one elective selected from:

Subject	Study Period Commencement:	Credit Points:
BCMB30003 Molecular Aspects of Cell Biology	Not offered 2013	12.50
CEDB30002 Concepts in Cell & Developmental Biology	Not offered 2013	12.50
ECOL30006 Ecology in Changing Environments	Not offered 2013	12.50
ZOOL30004 Evolution and the Human Condition	Not offered 2013	12.50
BOTA30003 Environmental Plant Physiology	Not offered 2013	12.50
MIIM30011 Medical Microbiology: Bacteriology	Not offered 2013	12.50
BOTA30002 Plant Evolution	Semester 1	12.50
MIIM30002 Principles of Immunology	Not offered 2013	12.50
BCMB30001 Protein Structure and Function	Not offered 2013	12.50
GENE30005 Human and Medical Genetics	Not offered 2013	12.50
BIOL30001 Reproductive Physiology	Not offered 2013	12.50

Links to further information:

<http://graduate.science.unimelb.edu.au>

Related Course(s):

Graduate Diploma in Science