Genetics

Year and Campus:	2013		
Coordinator:	Professor Jim Camakaris		
Contact:	Email: j.camakaris@unimelb.edu.au (mailto:j.camakaris@unimelb.edu.au)		
Overview:	On completion of this course students should have achieved:		
	# a broad knowledge in the field of genetics;		
	# a capacity to use experimentation in genetics to understand aspects of biology; and		
	# a capacity to integrate various theoretical and experimental approaches to problems in genetics.		
Objectives:	Areas of specialisation		
	The coursework and research components of this Postgraduate Diploma in Science enable students to further their knowledge in the following areas: classical genetics; the history of genetics; population and evolutionary genetics; ecological genetics; molecular genetics; are developmental genetics. Typical research projects study aspects of heavy metal detoxifical mechanisms in plants and animals; copper metabolism in mammals and the role of copper in neurodegenerative diseases; gene regulation in fungi;; the ecological, evolutionary and molecular genetics of insecticide resistance; evolutionary genetics; and developmental genetics.		
Structure & Available Subjects:	# Discipline Core subjects (12.5 points); # Elective subjects (37.5 points); # Research Project (50 points).		
Subject Options:	Discipline Core		
	Students must select one of:		
	Subject	Study Period Commencement:	Credit Points:
	GENE90012 Advanced Topics in Genetics A	Not offered 2013	12.50
	GENE90018 Advanced Topics in Genetics B	Not offered 2013	12.50
	Electives Students must select three subjects from the following:		·
	Subject	Study Period Commencement:	Credit
			Points:
	BTCH90005 Advanced Molecular Biology Techniques	Not offered 2013	12.50
	BTCH90009 Genomics and Bioinformatics	Semester 1	12.50
	BIOL90001 Microscopy for Biological Sciences	Not offered 2013	12.50
	SCIE90013 Communication for Research Scientists	Semester 1	12.50
	OR 12.5 or 25 points of other approved subjects, includir year level Genetics subjects, if this is recommended by the stream coordinator. - Research Project	ng up to 25 points of approv	red third-

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The research project is taken over two semesters and the assessment consists of a research proposal (30%) and minor thesis (70%).

Links to further information:

Not offered 2013 37.50

Links to further information:

Notes:

This program does not have a mid-year intake.

Related Course(s):

Postgraduate Diploma in Science

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