Coordinator: Contact: Overview:		edu.au)				
		edu.au)				
Overview:	On completion of this course students should have achie		Email: jgolz@unimelb.edu.au (mailto:jgolz@unimelb.edu.au)			
		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.					
Learning Outcomes:	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; and developmental genetics. Typical research projects study aspects of heavy metal detoxification 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 of insecticide resistance; evolutionary genetics; and developmental genetics of insecticide resistance; evolutionary genetics; and developmental genetics of the resistance; evolutionary genetics; and developmental genetics of the resistance; evolutionary genetics; and developmental genetics of the resistance; evolutionary genetics; and developmental genetics; and dev					
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 2014	12.50			
	GENE90018 Advanced Topics in Genetics B	March	12.50			
	Electives Students must select three subjects from the following:					
	Subject	Study Period Commencement:	Credit			
	Subject	Study Period Commencement.	Points:			
	BTCH90005 Advanced Molecular Biology Techniques	Semester 2	12.50			
	BTCH90009 Genomics and Bioinformatics	Semester 1	12.50			
	BIOL90001 Microscopy for Biological Sciences	Semester 1	12.50			
		Semester 1	12.50			
	SCIE90013 Communication for Research Scientists		1			

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

	Depending on the coursework subjects taken a student would normally enrol in a combination or Research Project subjects as indicated below to ensure they have completed 50 points by the end of the course.		
	Subject	Study Period Commencement:	Credit Points:
	GENE90013 Advanced Genetic Research	Semester 1, Semester 2	12.50
	GENE90015 Advanced Genetic Research	Semester 1, Semester 2	25
	GENE90016 Advanced Genetic Research	Semester 1, Semester 2	37.50
Links to further information:	http://graduate.science.unimelb.edu.au/		
Notes:	This program does not have a mid-year intake.		
Related Course(s):	Postgraduate Diploma in Science		