

Ecology and Evolutionary Biology

Year and Campus:	2011																																						
Coordinator:	Professor Mick Keough (Department of Zoology) Dr Peter Vesk (School of Botany) Associate Professor Barbara Downs (Department of Resource Management and Geography)																																						
Contact:	Email: mjkeough@unimelb.edu.au (mailto:mjkeough@unimelb.edu.au) Email: pvesk@unimelb.edu.au (mailto:barbarad@unimelb.edu.au) Email: barbarad@unimelb.edu.au (mailto:barbarad@unimelb.edu.au)																																						
Overview:	The Ecology and Evolutionary Biology major will provide the springboard for students in entering careers or research in the following areas: Ecology, Conservation Biology, Animal Behaviour, Evolutionary Biology, Systematic and Biodiversity, Environmental Consulting. Graduates will be prepared for these pathways by developing skills in survey, experimentation and modelling of ecological and evolutionary processes, which are crucial to being prepared to make contributions in research, education or in consulting roles in natural resources management and environmental consulting industries. This major will integrate knowledge from a range of disciplines from genetics through organismal biology to ecosystem science, by enabling students to complete a sequence of specialist subjects in each, as well as integrated subjects in which the students develop an understanding of the application of ecological methods to solving current problems in evolution, ecology and biodiversity. Students will gain experience preparing them for the workplace by participating in group research projects and working groups.																																						
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Structure & Available Subjects:	Completion of 50 points of study at Level 3.																																						
Subject Options:	Core subject <table border="1" data-bbox="389 1211 1485 1357"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ECOL30006 Ecology in Changing Environments</td> <td>Not offered 2011</td> <td>12.50</td> </tr> </tbody> </table> Plus at least one of <table border="1" data-bbox="389 1384 1485 1704"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ZOOL30008 Experimental Marine Biology</td> <td>February</td> <td>12.50</td> </tr> <tr> <td>ENST30001 Environmental Change Field Class</td> <td>Not offered 2011</td> <td>25</td> </tr> <tr> <td>BOTA30006 Field Botany</td> <td>January</td> <td>12.50</td> </tr> <tr> <td>ZOOL30009 Field Biology of Australian Wildlife</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table> Plus (if required to make up 50 points) electives selected from <table border="1" data-bbox="389 1731 1485 2040"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ECOL30005 Applied Ecology</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>ZOOL30006 Animal Behaviour</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>EVSC30003 Environmental Risk Assessment</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>ZOOL30004 Evolution and the Human Condition</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	ECOL30006 Ecology in Changing Environments	Not offered 2011	12.50	Subject	Study Period Commencement:	Credit Points:	ZOOL30008 Experimental Marine Biology	February	12.50	ENST30001 Environmental Change Field Class	Not offered 2011	25	BOTA30006 Field Botany	January	12.50	ZOOL30009 Field Biology of Australian Wildlife	Semester 2	12.50	Subject	Study Period Commencement:	Credit Points:	ECOL30005 Applied Ecology	Semester 2	12.50	ZOOL30006 Animal Behaviour	Semester 1	12.50	EVSC30003 Environmental Risk Assessment	Semester 1	12.50	ZOOL30004 Evolution and the Human Condition	Semester 1	12.50
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	GENE30001 Evolutionary Genetics and Genomics	Semester 1	12.50
	BOTA30003 Plant Physiological Ecology	Not offered 2011	12.50
	BOTA30002 Plant Systematics and Evolution	Semester 1	12.50
	BOTA30004 Vegetation Management and Conservation	Semester 2	12.50
	GEOG30022 Rivers: Hydrology and Ecology	Semester 1	12.50
Related Course(s):	Bachelor of Science		