

654-302 Experimental Marine Ecology

Credit Points:	12.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Summer Term, - Taught on campus.
Time Commitment:	Contact Hours: Ten lectures and 50 hours practical work. Practical work will be undertaken at the Queenscliff Marine Station, operated by the Faculty of Science, over eight days in February. No more than 30 students may enrol in any year Total Time Commitment: 120 hours
Prerequisites:	Zoology 654-201 plus 654-312 (or enrolment in 654-312 in current year).
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:	Professor M Keough; Dr S Swearer
Subject Overview:	<p>This subject covers current ecological principles and concepts, particularly as they apply to the marine biota. The major focus is on experimental approaches to ecological questions, emphasising the design and analysis of ecological experiments. An important emphasis of the course is developing the ability to read and assimilate current papers in the ecological literature, and evaluating critically the arguments and data presented in those papers.</p> <p>This subject builds upon existing generic skills, including an ability to approach and assimilate new knowledge from observation and the literature, and an ability to use that knowledge to evaluate and communicate results. Students should develop their abilities to pose testable hypotheses, to devise appropriate sampling procedures and experimental designs, and to work in field situations. Students should learn how to access information from the primary scientific literature, through both electronic and traditional sources, and gain experience in writing scientific reports and essays.</p>
Assessment:	Written work totalling up to 5000 words, including a report on practical work (60%), peer-review assessment (20%), and response to reviewer's comments (20%), due during first semester immediately following the summer semester in which the subject was undertaken.
Prescribed Texts:	None
Breadth Options:	<p>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.</p> <p>This subject or an equivalent will be available as breadth in the future.</p> <p>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.</p> <p>2009 subjects to be offered as breadth will be finalised before re-enrolment for 2009 starts in early October.</p>
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Notes:	<p>Students enrolled in the BSc (pre-2008 BSc), BASc or a combined BSc course will receive science credit for the completion of this subject.</p> <p>This subject is likely to be quota-restricted this year.</p>

	Experiments involving the use of animals are an essential part of this subject; exemption is not possible.
Related Course(s):	Bachelor of Arts and Bachelor of Science Bachelor of Arts and Sciences Bachelor of Science