

654-302 Experimental Marine Ecology

Credit Points:	12.50
Level:	3 (Undergraduate)
Dates & Locations:	2009, This subject commences in the following study period/s: February, - Taught on campus. Lectures and practical work
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 total time commitment.
Prerequisites:	Zoology 654-201 (prior to 2009) plus <i>Marine Ecology</i> (or concurrent enrolment in <i>Marine Ecology</i>).
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:	Prof Michael Keough
Subject Overview:	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.
Objectives:	.
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:	This subject potentially can be taken as a breadth subject component for the following courses: # Bachelor of Arts (https://handbook.unimelb.edu.au/view/2009/D09) # Bachelor of Commerce (https://handbook.unimelb.edu.au/view/2009/F04) # Bachelor of Environments (https://handbook.unimelb.edu.au/view/2009/A04) # Bachelor of Music (https://handbook.unimelb.edu.au/view/2009/M05) You should visit learn more about breadth subjects (http://breadth.unimelb.edu.au/breadth/info/index.html) and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	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

	<p>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>
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>Experiments involving the use of animals are an essential part of this subject; exemption is not possible.</p> <p>An enrolment quota of 30 students applies to this subject this year.</p>
Related Majors/Minors/ Specialisations:	<p>Ecology Marine Biology Zoology</p>