EVSC20004 Blue Planet-Intro to Marine Environments

Credit Points:	12.50
Level:	2 (Undergraduate)
Dates & Locations:	This subject is not offered in 2011. Lectures and field excursions
Time Commitment:	Contact Hours: 5 x one hour lectures per fortnight; 16 hours of field practical instruction Total Time Commitment: Estimated total time commitment of 120 hours
Prerequisites:	One of

Subject	Study Period Commencement:	Credit Points:
BIOL10004 Biology of Cells and Organisms	Semester 1	12.50
BIOL10005 Genetics & The Evolution of Life	Semester 2	12.50
BIOL10001 Biology of Australian Flora & Fauna	Semester 2	12.50
ENVS10001 Natural Environments	Not offered 2011	12.50

Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	For the purposes of considering applications for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005) and Students Experiencing Academic Disadvantage Policy, this subject requires all students to actively and safely participate in practical work and field excursion activities. Students who feel their disability may impact upon their participation are encouraged to discuss this with the Subject Coordinator and the Disability Liaison Unit. http://www.services.unimelb.edu.au/disability/
Contact:	Email: EVSC20004@zoology.unimelb.edu.au
Subject Overview:	This subject will introduce students to the interrelationships among marine organisms and the ocean they live in and how these interactions are changing as a consequence of human activities. Topics covered include: ocean circulation, productivity and the impacts of climate change; coastal upwelling, food web dynamics and the impacts of fishing; coastal currents, species ranges and the effects of introduced marine pests; and land-sea connections, nutrient cycling and toxic algal blooms. How to study the interactions between the ocean and its flora and fauna will be investigated through field excursions from the University's marine laboratory in Queenscliff.
Objectives:	The objectives of this subject are to: # introduce the sciences of marine biology and oceanography, # demonstrate how various elements of the living marine environment interrelate and are part of the complex system we know as the world's oceans, # increase awareness of human impacts on the marine environment, and # provide basic tools for understanding and studying the marine environment.
Assessment:	A written excursion report up to 2000 words due during the semester (20%); 6 online quizzes during semester (30%); a 3-hour written examination in the examination period (50%).
Prescribed Texts:	None
Recommended Texts:	# Levinton J.S. Marine Biology: Function, Biodiversity, Ecology # Garrison T.S. Oceanography: An Invitation to Marine Science
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/2011/B-ARTS)** # **Bachelor of Commerce (https://handbook.unimelb.edu.au/view/2011/B-COM)** # **Bachelor of Environments (https://handbook.unimelb.edu.au/view/2011/B-ENVS)** # **Bachelor of Music (https://handbook.unimelb.edu.au/view/2011/B-MUS)** 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:	The subject builds upon generic skills developed in first year level subjects, including the ability to approach and assimilate new knowledge and an ability to use that knowledge to evaluate theories and communicate ideas. Students should also develop skills in field sampling techniques and to apply these skills to investigate marine environmental issues.
Notes:	Participation in a field trip is required for this subject. This subject is available for science credit to students enrolled in the BSc (both pre-2008 and new degrees),
Related Course(s):	Bachelor of Science
Related Majors/Minors/ Specialisations:	Science credit subjects* for pre-2008 BSc, BASc and combined degree science courses
Related Breadth Track(s):	Marine Life