BOTA30001 Marine Botany

Credit Points:	12.50
Level:	3 (Undergraduate)
Dates & Locations:	2011, Parkville This subject commences in the following study period/s: December, Parkville - Taught on campus. Intensive field based subject held at the Victorian Marine Science Consortium Laboratory in Queenscliff.This subject is offered in intensive mode over 6 days in late November/early December. Students should contact the subject coordinator to confirm dates. An enrolment quota of 40 students applies to this subject this year.
Time Commitment:	Contact Hours: 12 x one hour lectures, 9 x three hour practicals (in laboratory), 4 x three hour practicals (in field) Total Time Commitment: Estimated total time commitment of 80 hours
Prerequisites:	25 points of first year level biology subjects plus 50 points of second year level biological sciences subjects or equivalent.
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, laboratory work and fieldwork 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/
Coordinator:	Dr Jan Carey
Contact:	School of Botany **botany-enquiries@unimelb.edu.au (mailto:%20botany-enquiries@unimelb.edu.au)**
Subject Overview:	(An enrolment quota of 40 students applies to this subject) This subject will introduce students to identifying and classifying seaweeds and seagrasses from marine and estuarine habitats. Fieldwork along the Victorian coast will focus on the identification and ecology of Australia's unique marine macroflora. Topics to be covered include: # structure, taxonomy and classification of seaweeds and seagrasses # seaweed reproduction and life histories # distribution and ecology of seaweeds and seagrasses # human impacts on marine plants, and the impacts of marine plants on human affairs # collection and preservation of marine plants, and production of herbarium specimens # commercial uses of seaweed and seagrass products
Objectives:	At the completion of the subject, students should have developed an understanding of: # the biology and diversity of Australian seaweeds and seagrasses # the unique nature of the Australian seaweed flora # seaweed reproduction and the significance of various life history strategies # practical skills in identifying the major groups of seaweeds # current themes in algal research

Assessment:	Two 10-minute laboratory progress tests, after Laboratory Practicals 5 and 9 (10%); a 2-hour end of subject laboratory examination (40%); a 2-hour end of subject written examination (50%).
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/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:	Upon completion of this subject, students should be capable of: # Independent critical thought and rational enquiry # Reading and interpreting technical literature # Working as a team to perform scientific tasks
Notes:	This subject is available for science credit to students enrolled in the BSc (both pre-2008 and new degrees), BASc or a combined BSc course.
Related Course(s):	Bachelor of Science
Related Majors/Minors/ Specialisations:	Botany (pre-2008 Bachelor of Science) Marine Biology Plant Science Science credit subjects* for pre-2008 BSc, BASc and combined degree science courses