

BIOL10001 Biology of Australian Flora & Fauna

Credit Points:	12.50
Level:	1 (Undergraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 3 x one hour lectures per week, 10 self-study activities and 6 one-hour tutorials during the semester. Total Time Commitment: Estimated total time commitment of 120 hours
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	Credit cannot be gained for this subject and 600-111 Biology of Australian Flora & Fauna (prior to 2004).
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 participation are encouraged to discuss this with the subject coordinator and the Disability Liaison Unit.
Coordinator:	Dr Kath Handasyde, Dr Michael Bayly
Contact:	Biology Laboratory Level 5 Redmond Barry Building Tel: (03) 8344 4881 Fax: (03) 9347 0604 Email: biology-info@unimelb.edu.au (mailto:biology-info@unimelb.edu.au) Director of First Year Studies in Biology Assoc Prof Dawn Gleeson Email: d.gleeson@unimelb.edu.au (mailto:)
Subject Overview:	This subject will include the natural history of Australia from the Cretaceous to the present, and the influence of Australian Aborigines and Europeans; Australian environments, climatic zones, major biomes; terrestrial biota: diversity, endemism and biology of Australian plants, relictual rainforests, sclerophylly, adaptation to fire, diversity, endemism and biology of unique habitats, low nutrients and aridity; diversity, endemism and biology of vertebrate fauna including amphibians and marsupials; marine environments, algae, invertebrates, reefs, mangrove communities, inland waterbodies; and ecology, conservation, and management of Australian ecosystems.
Objectives:	By the end of this subject students should have <ul style="list-style-type: none"> # knowledge of the evolutionary history of the Australian biota, and the influence of past changes in geology, climate and soil; # an appreciation of the great diversity and genetic resources of the Australian biota; # knowledge of the structure and physiology of native plants and animals in relation to surviving in Australian environments; # an understanding of the impact of humans on Australian ecosystems and issues of conservation biology; and # skills to improve their self-study, analysis and evaluation of biological information.
Assessment:	Submission of two activities from the self-study program, each having a maximum of 1000 words due during the semester (25%); a 50-minute online multiple choice test held mid semester (15%); a 3-hour written examination in the examination period (60%).

Prescribed Texts:	R B Knox, P Y Ladiges, B K Evans and R Saint, Biology, An Australian Focus. 4th Ed, McGraw-Hill, 2009
Breadth Options:	<p>This subject potentially can be taken as a breadth subject component for the following courses:</p> <ul style="list-style-type: none"> # Bachelor of Arts (https://handbook.unimelb.edu.au/view/2010/B-ARTS) # Bachelor of Commerce (https://handbook.unimelb.edu.au/view/2010/B-COM) # Bachelor of Environments (https://handbook.unimelb.edu.au/view/2010/B-ENVS) # Bachelor of Music (https://handbook.unimelb.edu.au/view/2010/B-MUS) <p>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.</p>
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	<p>This subject encompasses particular generic skills so that on completion of this subject students should have developed skills relating to:</p> <ul style="list-style-type: none"> # the organization of work schedules which permit appropriate preparation time for tutorials, practical classes and examinations; # the use of electronic forms of communication and the discerning use of the web for seeking information; # accessing information from the library employing both electronic and traditional means; # working collaboratively with other students in tutorials and workshops; # self-study and analysis and evaluation of biological information; and # written communication.
Notes:	<p>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.</p> <p>This subject is a joint botany and zoology subject.</p>
Related Course(s):	Bachelor of Science
Related Majors/Minors/Specialisations:	Biology and Botany