Botany

Year and Campus:	2016
Coordinator:	Dr Mike Bayly
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Overview:	The Graduate Diploma allows students who have completed an undergraduate degree to re-focus or expand their body of knowledge by completing the requirement of one of the undergraduate majors (or equivalent) in the Bachelor of Science not already completed. The Graduate Diploma provides a pathway to the Master of Science Streams.
Learning Outcomes:	Students who complete the graduate diploma should: # Demonstrate an independent approach to knowledge that uses rigorous methods of inquiry and appropriate theories and methodologies that are applied with intellectual honesty and a respect for ethical values; # Apply critical and analytical skills and methods to the identification and resolution of problems; # Act as informed and critically discriminating participants within the community of scholars, as citizens and in the work force; # Communicate effectively; # Commit to continuous learning; # Be proficient in the use of appropriate modern technologies, such as the computer and other information technology systems, for the acquisition, processing and interpretation of data. - **Core participation requirements**: Fieldwork, practicals and laboratory experiments This discipline requires all students to actively, independently and safely participate in all practical classes, utilising a range of observational, communication, motor, intellectual, and behavioural and social skills. Visual acuity, muscle coordination and balance are essential for participation. Details of the participation requirements can be found at **http://www.vet.unimelb.edu.au/docs/CoreParticipationReqsBSc.pdf (http://www.vet.unimelb.edu.au/docs/CoreParticipationReqsBSc.pdf)** The sites essential to this fieldwork are not wheel chair accessible and may require students to traverse broken ground. Students are also required to undertake experiments including specimen and microscope work with assessment reliant on careful observation and visual interpretation of results. Practicals may also involve handling and working with animals.
Structure & Available Subjects:	Completion of 100 points: # 50 points of study at Level 3; # 50 points of study at Level 2 or above.
Subject Options:	***Subject prerequisites:*** *25 points of level 1 or above biological sciences subjects.* **Level 2** Students should select 50 points of level 2 options to meet the pre-requisites for their level 3 choices. - Four of:

Subject	Study Period Commencement:	Credit Points:
AGRI20026 Plant Growth Processes	Semester 1	12.50
BCMB20002 Biochemistry and Molecular Biology	Semester 1, Semester 2	12.50

BOTA20001 Green Planet: Plants and the Environment	Semester 1	12.50
BOTA20002 Plant Biodiversity	Semester 2	12.50
BOTA20004 Flora of Victoria	February	12.50
CEDB20003 Fundamentals of Cell Biology	Semester 1	12.50
ECOL20003 Ecology	Semester 2	12.50
EVSC20003 Forests in a Global Context	September	12.50
EVSC20004 Blue Planet-Intro to Marine Environments	Semester 1	12.50

** Depending on third year choices students may also need to complete 12.5 points of Level 2 Biology, Botany, Anatomy, Physiology, Biochemistry and Molecular Biology, Ecology, DASC, Genetics.*

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Level 3

Four of:

Subject	Study Period Commencement:	Credit Points:
BOTA30001 Marine Botany	November	12.50
BOTA30002 Plant Evolution	Semester 2	12.50
BOTA30004 Vegetation Management and Conservation	Semester 2	12.50
BOTA30005 Plant Molecular Biology & Biotechnology	Semester 2	12.50
BOTA30006 Field Botany	January	12.50
BOTA30003 Environmental Plant Physiology	Semester 1	12.50

Links to further information:	http://graduate.science.unimelb.edu.au/
Related Course(s):	Graduate Diploma in Science