Zoology

Year and Campus:	2016
Coordinator:	Assoc Prof Raoul Mulder
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Overview:	The Graduate Certificate 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 Certificate provides a pathway to the Master of Science Streams.
Learning Outcomes:	Students who complete the Graduate Certificate 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 50 points of study at Level 3.
Subject Options:	Level 3 ***Subject prerequisites:*** *one of ZOOL20005 Animal Structure and Function or ZOOL20006 Comparative Animal Physiology or ECOL20003 Ecology, or equivalents plus at least two further level 2 life sciences subjects, or equivalents.* One of:

Subject	Study Period Commencement:	Credit Points:
BIOL30002 Experimental Reproductive Physiology	Semester 2	12.50
ECOL30007 Marine Ecosystems: Ecology & Management	Semester 1	12.50
ZOOL30007 Experimental Animal Behaviour	Semester 1	12.50
ZOOL30008 Experimental Marine Biology	February	12.50

ZOOL30009 Field Biology of Australian Wildlife	Semester 2	12.50

Plus three of:

Subject	Study Period Commencement:	Credit Points:
BIOL30001 Reproductive Physiology	Semester 2	12.50
BIOL30002 Experimental Reproductive Physiology	Semester 2	12.50
CEDB30003 Developmental Biology	Semester 2	12.50
ECOL30005 Applied Ecology	Semester 2	12.50
ECOL30006 Ecology in Changing Environments	Semester 1	12.50
ECOL30007 Marine Ecosystems: Ecology & Management	Semester 1	12.50
SCIE30001 Science Research Project	Summer Term, Semester 1, Semester 2	12.50
ZOOL30004 Evolution and the Human Condition	Semester 1	12.50
ZOOL30006 Animal Behaviour	Semester 1	12.50
ZOOL30007 Experimental Animal Behaviour	Semester 1	12.50
ZOOL30008 Experimental Marine Biology	February	12.50
ZOOL30009 Field Biology of Australian Wildlife	Semester 2	12.50

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