Zoology

Year and Campus:	2016
Coordinator:	Associate Professor Raoul Mulder
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Overview:	A zoology major provides a springboard for entering careers or research in many areas of animal biology, from conservation and wildlife management to the biotech, biomedical and bioinformatics industries. Graduates will be prepared for these pathways by developing skills in appropriate zoological concepts, data collection and analysis, and critical evaluation of empirical arguments. This major facilitates an understanding of the complexities of animal systems by integrating knowledge from the biology of cells to the behaviour of whole organisms, through a sequence of specialist subjects as well as integrated subjects from a wide range of biological disciplines. Students will gain relevant work-place training by participating first-hand in zoological research.
Learning Outcomes:	*Zoology Major Graduates should demonstrate:* # understanding of the complexities of animal systems by integrating knowledge from the biology of cells to the behaviour of whole organisms; # appreciation for animal diversity within a global and Australian context; # ability to critically evaluate empirical arguments; # expertise in the effective design and conduct of experiments with animals; # understanding of how to apply statistical methods in the analysis and interpretation of data; # ability to conduct research as part of a team; # effective written and oral communication skills in presenting the outcomes of experimental research.
Structure & Available Subjects:	Completion of 50 points of study at Level 3.
Subject Options:	One of

Subject	Study Period Commencement:	Credit Points:
BIOL30002 Experimental Reproductive Physiology	Semester 2	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

	GENE30001 Evolutionary Genetics and Genomics	Semester 1	12.5
	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

Notes:	The topic of the Science Research Project must be related to zoology. This major is available to new generation Bachelor of Science students (B-SCI). It is also available to Bachelor of Science students who commenced prior to 2008. The published structure of this major includes subjects available in the current year. Pre-2008 Bachelor of Science students who completed one or more Level 3 science subjects towards this major prior to 2010 should contact the Science Student Centre for advice on appropriate subjects to complete this major. This major has been modified from 2010 to 2011 with the removal of specific specialisations. Students who commenced the major prior to 2011 intending to complete a specific specialisation will not be disadvantaged as the specialisation within a major is not recorded on a student's Academic Transcript.
Related Course(s):	Bachelor of Science