

# Zoology

<b>Year and Campus:</b>	2016								
<b>Coordinator:</b>	A/Prof Andrew Pask								
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<b>Overview:</b>	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 Certificate provides a pathway to the Master of Science Streams.								
<b>Learning Outcomes:</b>	<p>Students who complete the Graduate Diploma should:</p> <ul style="list-style-type: none"> <li># 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;</li> <li># Apply critical and analytical skills and methods to the identification and resolution of problems;</li> <li># Act as informed and critically discriminating participants within the community of scholars, as citizens and in the work force;</li> <li># Communicate effectively;</li> <li># Commit to continuous learning;</li> <li># 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.</li> </ul> <p>-</p> <p><b>Core participation requirements:</b> Fieldwork, practicals and laboratory experiments</p> <p>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 <a href="http://www.vet.unimelb.edu.au/docs/CoreParticipationReqsBSc.pdf">http://www.vet.unimelb.edu.au/docs/CoreParticipationReqsBSc.pdf</a> (<a href="http://www.vet.unimelb.edu.au/docs/CoreParticipationReqsBSc.pdf">http://www.vet.unimelb.edu.au/docs/CoreParticipationReqsBSc.pdf</a>)</p> <p>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. Practical may also involve handling and working with animals.</p>								
<b>Structure &amp; Available Subjects:</b>	<p>Completion of 125 points:</p> <ul style="list-style-type: none"> <li># 50 points of study at Level 2 or above;</li> <li># 50 points of study at Level 3;</li> <li># 25 point of study at Level 9</li> </ul>								
<b>Subject Options:</b>	<p><b>Subject prerequisites:</b> For stream specific requirements please <a href="http://science.unimelb.edu.au/available-stream-requirements%20">click here (http://science.unimelb.edu.au/available-stream-requirements%20)</a> .</p> <p><b>Level 2</b></p> <p>Students should select 50 points of level 2 options to meet the pre-requisites for their level 3 choices.</p> <p>-</p> <p>Both of:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ZOOL20005 Animal Structure and Function</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	ZOOL20005 Animal Structure and Function	Semester 1	12.50
Subject	Study Period Commencement:	Credit Points:							
ZOOL20005 Animal Structure and Function	Semester 1	12.50							

ZOOL20006 Comparative Animal Physiology	Semester 2	12.50
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Plus 25 points from:

Subject	Study Period Commencement:	Credit Points:
BCMB20002 Biochemistry and Molecular Biology	Semester 1, Semester 2	12.50
BIOM20001 Molecular and Cellular Biomedicine	Semester 1	25
CEDB20003 Fundamentals of Cell Biology	Semester 1	12.50
ECOL20003 Ecology	Semester 2	12.50
EVSC20004 Blue Planet-Intro to Marine Environments	Semester 1	12.50
GENE20001 Principles of Genetics	Semester 1	12.50
GENE20002 Genes and Genomes	Semester 2	12.50
PHYS20008 Human Physiology	Semester 1, Semester 2	12.50
PHYS20009 Research-Based Physiology	Semester 1, Semester 2	12.50

### Level 3

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
	<b>Level 9</b> Plus two level 9 subjects selected from listed discipline subjects in the <b>Master of Science (Zoology)</b> ( <a href="http://handbook.unimelb.edu.au/view/current/mc-scizoo">../view/current/mc-scizoo</a> ) program		
<b>Links to further information:</b>	<a href="http://graduate.science.unimelb.edu.au">http://graduate.science.unimelb.edu.au</a>		
<b>Related Course(s):</b>	Graduate Diploma in Science		