

## MC-SCIZOO Master of Science (Zoology)

<b>Year and Campus:</b>	2016 - Parkville							
<b>CRICOS Code:</b>	062189B							
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>							
<b>Level:</b>	Graduate/Postgraduate							
<b>Duration &amp; Credit Points:</b>	200 credit points taken over 24 months full time. This course is available as full or part time.							
<b>Coordinator:</b>	Dr Devi Stuart-FoxEmail: <a href="mailto:d.stuart-fox@unimelb.edu.au">d.stuart-fox@unimelb.edu.au</a> Dr Tim Dempster Email: <a href="mailto:dempster@unimelb.edu.au">dempster@unimelb.edu.au</a>							
<b>Contact:</b>	<p>Currently enrolled students:</p> <ul style="list-style-type: none"> <li># General information: <a href="https://ask.unimelb.edu.au">https://ask.unimelb.edu.au</a> (<a href="https://ask.unimelb.edu.au">https://ask.unimelb.edu.au</a>)</li> <li># Email: <a href="mailto:enquiries-STEM@unimelb.edu.au">enquiries-STEM@unimelb.edu.au</a> (<a href="mailto:enquiries-STEM@unimelb.edu.au">mailto:enquiries-STEM@unimelb.edu.au</a>)</li> </ul>							
<b>Course Overview:</b>	<p><b>This course will no longer be taking new students from 2016</b></p> <p>The Master of Science (Zoology) is a coursework masters degree incorporating a substantial research project.</p> <p>The Master of Science gives students the opportunity to undertake a substantive research project in a field of choice as well as a broad range of coursework subjects including a professional skills component, as a pathway to PhD study or to the workforce.</p>							
<b>Learning Outcomes:</b>	<p>At the completion of this course, students should have gained:</p> <ul style="list-style-type: none"> <li># familiarity with the kinds of data generated by biological and environmental research programs;</li> <li># a detailed understanding of selected contemporary issues in biological sciences;</li> <li># the ability to exercise critical judgement, independent thinking and problem solving;</li> <li># skills in conducting and managing a research project;</li> <li># the ability to writing scientific reports and communicate results in oral presentations; and</li> <li># time management and self-management skills.</li> </ul>							
<b>Course Structure &amp; Available Subjects:</b>	<p>Students must complete 200 pts over a two year full-time (or four year part-time). The program will begin on the Monday of semester of entry (semesters 1 and 2) and continue for up to 88 weeks until the end of the fourth semester, minus recreation leave of between 4 and 8 weeks, and will comprise:</p> <ul style="list-style-type: none"> <li># Discipline Core subject (12.5 points);</li> <li># Discipline Elective subject (12.5 points);</li> <li># Further Discipline Elective subjects (25 points);</li> <li># Professional Skills subjects (25 points);</li> <li># Research Project (125 points).</li> </ul>							
<b>Subject Options:</b>	<p><b>Discipline core</b></p> <p>Students must take:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>BIOL90002 Biometry</td> <td>July</td> <td>12.50</td> </tr> </tbody> </table> <p><b>or equivalent subject at the 900-level with the approval of the program coordinator</b></p> <p><b>Discipline Elective</b></p> <p>Students must take one of:</p>		Subject	Study Period Commencement:	Credit Points:	BIOL90002 Biometry	July	12.50
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BIOL90002 Biometry	July	12.50						

Subject	Study Period Commencement:	Credit Points:
ZOOL90007 Graduate Seminar in Ecology & Evolution	Semester 1	12.50
PHYS90008 Advanced Seminars in Physiology	Semester 1	12.50
ANAT40002 Seminars in Anatomy and Neuroscience	March	12.50

### Further Discipline Electives

Students will select 25 points of elective subjects appropriate to their research project, in consultation with their supervisor. A student may complete a third-year level subject if no suitable alternative is available at the graduate level. Students wishing to take a second-year subject or more than one third-year subject will need the approval of the MSc Coordinators and the Associate Dean.

### Professional Skills

Students must select two subjects:

Subject	Study Period Commencement:	Credit Points:
SCIE90013 Communication for Research Scientists	Semester 1	12.50
MAST90044 Thinking and Reasoning with Data	Semester 1	12.50
MAST90045 Systems Modelling and Simulation	Semester 1	12.50
SCIE90005 Ethics and Responsibility in Science	Semester 1	12.50
BUSA90403 Business Tools: Money People & Processes	Semester 2	12.50
EDUC90839 Science in Schools	Semester 1, Semester 2	12.5
SCIE90012 Science Communication	Semester 2	12.5
SCIE90017 Science and Technology Internship	Summer Term, Semester 1, Semester 2	12.5

### Research Project

This subject provides students with the opportunity to design and conduct, under supervision, independent research. Students will also develop skills in critically evaluating new knowledge within a scientific paradigm. Specific research projects will depend upon the availability of appropriate expertise, but will address questions in ecology, conservation, animal behaviour, marine biology, reproductive physiology and developmental biology. Students will take responsibility for their own research project, including the design and management of field and/or laboratory experiments; collection, analysis and interpretation of data; and communicating the results through oral and written presentations. The assessment for the research project consists of a research proposal in the first year (up to 4000 words; 15%), a final oral presentation (20 minutes; 10%); research performance evaluation from the supervisor(s) (10%) and a final research report (up to 10,000 words, 65%).

The project will be taken over four consecutive semesters and will begin on the Monday of semester of entry (semesters 1 or 2) and continue for up to 88 weeks until the end of the fourth semester, minus recreation leave of between 4 and 8 weeks (22 weeks per semester over the four semesters).

For how long and at what time within the enrolment the actual period of leave is to be taken needs to be negotiated with a student's supervisor.

The Research Project will be due for submission by the end of the formal examination period of the fourth semester of enrolment if an earlier date is not specified.

Exceptions can be negotiated with the supervisor and with approval from the subject coordinator, including for part-time study in the course, as long as the consecutive enrolment requirement is met.

Subject	Study Period Commencement:	Credit Points:
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	<table border="1"> <tbody> <tr> <td>ZOOL90006 Zoology Research Project</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> <tr> <td>ZOOL90009 Zoology Research Project</td> <td>Semester 1, Semester 2</td> <td>25</td> </tr> <tr> <td>ZOOL90010 Zoology Research Project</td> <td>Semester 1, Semester 2</td> <td>37.50</td> </tr> <tr> <td>ZOOL90011 Zoology Research Project</td> <td>Semester 1, Semester 2</td> <td>50</td> </tr> </tbody> </table>	ZOOL90006 Zoology Research Project	Semester 1, Semester 2	12.50	ZOOL90009 Zoology Research Project	Semester 1, Semester 2	25	ZOOL90010 Zoology Research Project	Semester 1, Semester 2	37.50	ZOOL90011 Zoology Research Project	Semester 1, Semester 2	50
ZOOL90006 Zoology Research Project	Semester 1, Semester 2	12.50											
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ZOOL90010 Zoology Research Project	Semester 1, Semester 2	37.50											
ZOOL90011 Zoology Research Project	Semester 1, Semester 2	50											
<b>Entry Requirements:</b>	<p><b>In order to be considered for entry, applicants must have completed:</b></p> <ul style="list-style-type: none"> <li>• an undergraduate degree in a discipline appropriate to the stream of the Master of Science into which entry is sought, with a weighted average mark of at least H3 (65%) in the best 50 points in appropriate discipline studies at third year; and</li> <li>• appropriate prerequisite studies for the stream into which entry is sought</li> </ul> <p>For stream specific requirements please <b>click here</b> (<a href="http://science.unimelb.edu.au/available-stream-requirements">http://science.unimelb.edu.au/available-stream-requirements</a>) .</p> <p>-</p> <p>Meeting these requirements does not guarantee selection.</p> <p>In ranking applications, the Selection Committee will consider prior academic performance.</p> <p>The Selection Committee may seek further information to clarify any aspect of an application in accordance with the <b>Admission and Selection into Course Policy</b> (<a href="http://policy.unimelb.edu.au/MPF1035">http://policy.unimelb.edu.au/MPF1035</a>) .</p> <p>Applicants are required to satisfy the university's <b>English language requirements for postgraduate courses</b> (<a href="http://www.policy.unimelb.edu.au/schedules/MPF1035-ScheduleA.pdf">http://www.policy.unimelb.edu.au/schedules/MPF1035-ScheduleA.pdf</a>) . For those applicants seeking to meet these requirements by one of the standard tests approved by the Academic Board, performance band 6.5 is required.</p> <p>-</p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• Quotas may be applied to the degree as a whole, or to an individual stream, and preference may be given to applicants with evidence of appropriate preparation or potential to undertake research.</li> <li>• Entry into a stream of the Master of Science is subject to the capacity of the department(s) or schools(s) offering the program stream to provide adequate supervision in a research project appropriate to the interests and preparation of the individual student and may be subject to the agreement of a member of academic staff to supervise the project module.</li> </ul>												
<b>Core Participation Requirements:</b>	<p>&lt;p&gt;For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.&lt;/p&gt; &lt;p&gt;It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: &lt;a href="http://services.unimelb.edu.au/disability"&gt;http://services.unimelb.edu.au/disability&lt;/a&gt;&lt;/p&gt;</p>												
<b>Further Study:</b>	The Master of Science offers a pathway to a PhD.												
<b>Graduate Attributes:</b>	<p>Graduates will: have the ability to demonstrate advanced independent critical enquiry, analysis and reflection; have a strong sense of intellectual integrity and the ethics of scholarship; have in-depth knowledge of their specialist discipline(s); reach a high level of achievement in writing, research or project activities, problem-solving and communication; be critical and creative thinkers, with an aptitude for continued self-directed learning; be able to examine critically, synthesise and evaluate knowledge across a broad range of disciplines; have a set of flexible and transferable skills for different types of employment; and be able to initiate and implement constructive change in their communities, including professions and workplaces.</p>												

**Links to further  
information:**

<http://graduate.science.unimelb.edu.au>