

MC-SCIGEO Master of Science (Geography)

Year and Campus:	2014 - Parkville																	
CRICOS Code:	062189B																	
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees																	
Level:	Graduate/Postgraduate																	
Duration & Credit Points:	200 credit points taken over 24 months full time. This course is available as full or part time.																	
Coordinator:	Dr Russell Drysdale Email: rnd@unimelb.edu.au																	
Contact:	<p>Melbourne Graduate School of Science Faculty of Science The University of Melbourne T: +61 3 8344 6128 F: +61 3 8344 3351</p> <p>W: www.graduate.science.unimelb.edu.au (http://www.graduate.science.unimelb.edu.au/)</p>																	
Course Overview:	<p>The Master of Science (Geography) 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>																	
Learning Outcomes:	<p>At the completion of this course, students should:</p> <ul style="list-style-type: none"> # be familiar with current debates in their chosen field of geographic inquiry; # be able to develop research questions from a critical reading of a body of literature; # be able to design a field or laboratory based research project; and # gain an understanding of major conceptual debates in physical geography, and their implications for research methodology. 																	
Course Structure & Available Subjects:	<p>Students must complete 200 pts including:</p> <ul style="list-style-type: none"> # Discipline Core subjects (25 points); # Discipline Elective subjects (50 or 62.5 points); # Professional Skills subjects (12.5 or 25 points); # Research Project (100 points). <p>This course is only available on a full-time basis commencing in semester one.</p>																	
Subject Options:	<p>Physical Geography Stream</p> <p>Discipline Core</p> <p>Students must take one of:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>MAST90007 Statistics for Research Workers</td> <td>June</td> <td>12.50</td> </tr> <tr> <td>AGRI90075 Research Methods For Life Sciences</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table> <p>and one of:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	MAST90007 Statistics for Research Workers	June	12.50	AGRI90075 Research Methods For Life Sciences	Semester 1	12.50	Subject	Study Period Commencement:	Credit Points:			
Subject	Study Period Commencement:	Credit Points:																
MAST90007 Statistics for Research Workers	June	12.50																
AGRI90075 Research Methods For Life Sciences	Semester 1	12.50																
Subject	Study Period Commencement:	Credit Points:																

GEOG90018 Contemporary Geographical Thought	Not offered 2014	12.50
GEOG90008 Advanced Reading in Geography	Semester 1, Semester 2	12.50

* *AGRI90075 Research Methods for Life Sciences is only available to students with no experience in undergraduate statistics.*

* *Students who have completed GEOG30003 Geographical Thought or its equivalent are ineligible to enrol in GEOG90018 Contemporary Geographical Thought and must enrol in GEOG90008 Advanced Reading in Geography.*

-

Discipline Elective

Students must take 4 or 5 of the following subjects:

Subject	Study Period Commencement:	Credit Points:
GEOG90003 Integrated River & Catchment Management	Semester 1	12.50
EVSC90015 Environmental Impact Assessment	Semester 1	12.50
GEOG30001 Coastal Landforms & Processes	Semester 1	12.50
GEOG30022 River Ecology & Ecosystem Management	Semester 1	12.50
GEOM90008 Foundations of Spatial Information	Semester 1	12.50
EVSC90001 Global Environment and Sustainability	February	12.50
NRMT90004 Conservation Genetics	Not offered 2014	12.50
ENST90005 Environmental Policy	Semester 2	12.50
GEOG30023 Global Climate Change in Context	February	12.50
ERTH90027 Fluvial Geomorphology and Hydrology	Semester 2	12.50
GEOG90019 Indigenous Land Management	July	12.50
EVSC90014 Environmental Risk Assessment	November	12.50

* *Students are permitted to take up to two 3rd-year subjects only.*

-

Human Geography Stream

Discipline Core

Students must take:

Subject	Study Period Commencement:	Credit Points:
NRMT90003 Social Research Methods	Semester 1	12.50

and one of:

Subject	Study Period Commencement:	Credit Points:
GEOG90018 Contemporary Geographical Thought	Not offered 2014	12.50
GEOG90008 Advanced Reading in Geography	Semester 1, Semester 2	12.50

* *Students who have completed GEOG30003 Geographical Thought or its equivalent are ineligible to enrol in GEOG90018 Contemporary Geographical Thought and must enrol in GEOG90008 Advanced Reading in Geography.*

-

Discipline Elective

Students must take 4 or 5 of the following subjects:

Subject	Study Period Commencement:	Credit Points:
ENST90002 Social Impact Assessment and Evaluation	Semester 2	12.50
EVSC90015 Environmental Impact Assessment	Semester 1	12.50
ENST90004 Climate Change Politics and Policy	Semester 2	12.50
GEOG90007 China Field Class PG	Semester 2	25
GEOG90008 Advanced Reading in Geography	Semester 1, Semester 2	12.50
EVSC90001 Global Environment and Sustainability	February	12.50
NRMT90004 Conservation Genetics	Not offered 2014	12.50
ENST90005 Environmental Policy	Semester 2	12.50
DEVT90003 The Political Ecology of Development	Semester 1	12.50
GEOG30019 Sustainable Development	Semester 1	12.50
GEOG30021 The Disaster Resilient City	Semester 2	12.50
FOOD90026 The Politics of Food	Semester 1, Semester 2	12.50
GEOG90019 Indigenous Land Management	July	12.50
GEOG90021 Conservation and Cultural Environments	Semester 1	12.50

* Students are permitted to take up to two 3rd-year subjects only.

-

Integrated Geography Stream**Discipline Core**

Students must take one of:

Subject	Study Period Commencement:	Credit Points:
NRMT90003 Social Research Methods	Semester 1	12.50
MAST90007 Statistics for Research Workers	June	12.50
AGRI90075 Research Methods For Life Sciences	Semester 1	12.50

and one of:

Subject	Study Period Commencement:	Credit Points:
GEOG90018 Contemporary Geographical Thought	Not offered 2014	12.50
GEOG90008 Advanced Reading in Geography	Semester 1, Semester 2	12.50

* AGRI90075 Research Methods for Life Sciences is only available to students who have no experience in undergraduate statistics.

* Students who have completed GEOG30003 Geographical Thought or its equivalent are ineligible to enrol in GEOG90018 Contemporary Geographical Thought and must enrol in GEOG90008 Advanced Reading in Geography.

-

Discipline Elective

Students must take 4 or 5 of the following subjects:

Subject	Study Period Commencement:	Credit Points:
EVSC90015 Environmental Impact Assessment	Semester 1	12.50
ENST90002 Social Impact Assessment and Evaluation	Semester 2	12.50
ENST90004 Climate Change Politics and Policy	Semester 2	12.50
GEOG90007 China Field Class PG	Semester 2	25
GEOG90003 Integrated River & Catchment Management	Semester 1	12.50
EVSC90001 Global Environment and Sustainability	February	12.50
GEOM90008 Foundations of Spatial Information	Semester 1	12.50
GEOG30022 River Ecology & Ecosystem Management	Semester 1	12.50
GEOG30001 Coastal Landforms & Processes	Semester 1	12.50
NRMT40004 Community Natural Resource Management	Semester 2	12.50
NRMT90004 Conservation Genetics	Not offered 2014	12.50
ENST90005 Environmental Policy	Semester 2	12.50
DEVT90003 The Political Ecology of Development	Semester 1	12.50
GEOG30019 Sustainable Development	Semester 1	12.50
GEOG30021 The Disaster Resilient City	Semester 2	12.50
GEOG30023 Global Climate Change in Context	February	12.50
ERTH90027 Fluvial Geomorphology and Hydrology	Semester 2	12.50
FOOD90026 The Politics of Food	Semester 1, Semester 2	12.50
GEOG90019 Indigenous Land Management	July	12.50
EVSC90014 Environmental Risk Assessment	November	12.50
GEOG30024 Africa: Environment, Development, People	Semester 2	12.50

* Students are permitted to take up to two 3rd-year subjects only.

-

All Streams**Professional Skills**

Students must select 1 or 2 of the following subjects:

Subject	Study Period Commencement:	Credit Points:
BUSA90403 Business Tools: Money People & Processes	September	12.50
BUSA90471 Business Tools: The Market Environment	Semester 1	12.50
SCIE90007 E-Science	Not offered 2014	12.50

MAST90045 Systems Modelling and Simulation	Semester 1	12.50
SCIE90005 Ethics and Responsibility in Science	Semester 1	12.50
MAST90044 Thinking and Reasoning with Data	Semester 1	12.50
SCIE90012 Science Communication	Semester 2	12.50
SCIE90013 Communication for Research Scientists	Semester 1	12.50
MULT90012 Industry Project in Science	Semester 2	12.50

All Streams

Research Project

The research project will be taken over four consecutive semesters and will begin on the Monday of the first semester of research project enrolment (semesters 1 or 2) (indicative for 2013: March 4 and July 29) and continue until the end of the final semester of research project enrolment. The research project work continues over summer and winter breaks, minus recreation leave of 4 weeks per year.

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 thesis will be due for submission at the end of the formal examination period of the final semester of research project enrolment (usually fourth semester) if an earlier date is not specified. The assessment requirements below are applicable to the entire 100 point Research Project:

- # A research proposal modelled on a research grant application style, due at the end of the first 12.5 points: 12.5%
- # A full literature review and research proposal seminar, due at the end of the first 25 points: 12.5%
- # A 25,000 word thesis and a research results seminar, due by the end of the full 100 points (i.e. at the end of year 2): 75%

Students select their research project load in consultation with their project supervisor and the program coordinator, and must enrol in at least 12.5 points of research project per semester. Therefore, in each semester students must be enrolled in one of the subjects listed here, with the total research project load equalling 100 points over the two years of full-time study.

EXAMPLE:

Year 1, semester 1: GEOG90010 Geography Research Project 12.5 pts

Year 1, semester 2: GEOG90010 Geography Research Project 12.5 pts

Year 2, semester 1: GEOG90011 Geography Research Project 25 pts

Year 2, semester 2: GEOG90013 Geography Research Project 50 pts

Subject	Study Period Commencement:	Credit Points:
GEOG90010 Geography Research Project	Semester 1, Semester 2	12.50
GEOG90011 Geography Research Project	Semester 1, Semester 2	25
GEOG90012 Geography Research Project	Semester 1, Semester 2	37.50
GEOG90013 Geography Research Project	Semester 1, Semester 2	50

Entry Requirements:

An undergraduate degree with a major in Ecology and Evolutionary Biology, Environmental Science, Earth, Ocean and Atmospheric Science, Geography or Zoology, with at least an H3 (65%) in the major, or equivalent.

Quotas may be applied and preference may be given to applicants with evidence of appropriate preparation or potential to undertake research. Entry is subject to the capacity of the department to provide adequate supervision in, and resources for, 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. Selection is not automatic and, in particular, is subject to competition.

Core Participation Requirements:	It is University policy to take all reasonable steps to minimise the impact of disability upon academic study and reasonable steps will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact upon their active and safe participation in a course are encouraged to discuss this with the relevant course coordinator and the Disability Liaison Unit.
Further Study:	The Master of Science offers a pathway to a PhD.
Graduate Attributes:	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.
Links to further information:	http://graduate.science.unimelb.edu.au