

MC-SCIGEO Master of Science (Geography)

| Year and Campus: | 2015 - 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: | Associate Professor 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> <p>Future Student Enquiries (https://enquiry.app.unimelb.edu.au/?cc=MC-SCIGEO&fn=MGSS)</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 and/or human 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" data-bbox="386 1771 1485 1975"> <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>July</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> | | | Subject | Study Period Commencement: | Credit Points: | MAST90007 Statistics for Research Workers | July | 12.50 | AGRI90075 Research Methods For Life Sciences | Semester 1 | 12.50 |
| Subject | Study Period Commencement: | Credit Points: | | | | | | | | | | |
| MAST90007 Statistics for Research Workers | July | 12.50 | | | | | | | | | | |
| AGRI90075 Research Methods For Life Sciences | Semester 1 | 12.50 | | | | | | | | | | |

| Subject | Study Period Commencement: | Credit Points: |
|---|----------------------------|----------------|
| GEOG90018 Contemporary Geographical Thought | Not offered 2015 | 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.*

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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 2015 | 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 |
| EVSC90014 Environmental Risk Assessment | November | 12.50 |
| GEOG90019 Indigenous Land Management | July | 12.5 |

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

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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 2015 | 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.*

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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 2015 | 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 | 12.50 |
| GEOG90021 Conservation and Cultural Environments | Semester 1 | 12.50 |
| FOOD90034 Sustainable Food Production | Semester 2 | 12.5 |
| GEOG90019 Indigenous Land Management | July | 12.5 |

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

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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 | July | 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 2015 | 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.*

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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 2015 | 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 | 12.50 |
| EVSC90014 Environmental Risk Assessment | November | 12.50 |
| GEOG30024 Africa: Environment, Development, People | Semester 2 | 12.50 |
| FOOD90034 Sustainable Food Production | Semester 2 | 12.5 |
| GEOG90019 Indigenous Land Management | July | 12.5 |

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

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All Streams

Professional Skills

Students must select 1 or 2 of the following subjects:

| Subject | Study Period Commencement: | Credit Points: |
|--|----------------------------|----------------|
| BUSA90471 Business Tools: The Market Environment | Semester 1 | 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 | Not offered 2015 | 12.50 |
| SCIE90013 Communication for Research Scientists | Semester 1 | 12.50 |
| MULT90012 Industry Project in Science | Not offered 2015 | 12.50 |
| BUSA90403 Business Tools: Money People & Processes | September | 12.5 |

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) 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:

In order to be considered for entry, applicants must have completed:

- 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

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| | <ul style="list-style-type: none"> • appropriate prerequisite studies for the stream into which entry is sought <p>For stream specific requirements please click here (http://science.unimelb.edu.au/available-stream-requirements%20) .</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 Admission and Selection into Course Policy (http://policy.unimelb.edu.au/MPF1035) .</p> <p>Applicants are required to satisfy the university's English language requirements for postgraduate courses (http://www.policy.unimelb.edu.au/schedules/MPF1035-ScheduleA.pdf) . 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>Notes:</p> <ul style="list-style-type: none"> • 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. • 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. |
| 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 |