

Climate Change

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| Year and Campus: | 2014 |
| Coordinator: | Associate Professor Stefan Arndt Department of Forest Ecosystem Science, MSLE |
| Contact: | <p>Office for Environmental Programs Ground Floor, Walter Boas Building (building 163)</p> <p><i>Enquiries</i> Phone: 13 MELB (13 6352) Email: 13MELB@unimelb.edu.au (mailto:13MELB@unimelb.edu.au)</p> |
| Overview: | <p>Climate Change is offered as a major field of study in the Master of Environment degree.</p> <p>Climate change mitigation and adaptation are increasingly being integrated into business management, government policy and technology design, requiring expertise in a range of fields including international conventions, strategic government and business policy, climate science, energy technology, economic analysis and management. Effective solutions therefore require a new generation of policymakers, managers and scientists equipped with a multidisciplinary understanding of climate change issues.</p> <p>The Climate Change major is ideal for students seeking an interdisciplinary perspective on climate change, for work in policy-making or business advisory roles. Graduates will be well-placed to offer leadership through a solid understanding of: theoretical and practical applications of policy and science; technological limits, potentials and risks; and the value of addressing a wide-ranging global environmental issue from a trans-disciplinary perspective. Additionally, this major presents an opportunity for students to establish extensive networks with fellow climate change professionals across a broad range of industries, sectors and fields of endeavour.</p> <p>Graduates of this major can expect to find employment in State and Federal Government authorities, environmental consulting companies, business advisory and strategic policymaking positions worldwide.</p> |
| Learning Outcomes: | <p>Students who complete the Master of Environment will have:</p> <ul style="list-style-type: none"> # Knowledge to undertake professional practice in environment or sustainability, including: # Skills for collaborative and creative problem solving in environmental practice, including: # Demonstrated capacity to: <p>The Climate Change major will provide a pathway to further study and prepare students for entry to middle and upper management positions by:</p> <ul style="list-style-type: none"> # Developing knowledge, skills, understanding and competence in the area of climate change science and policy tools; # Developing a thorough approach to climate change through an understanding of the biological, economic, social and environmental factors surrounding climate change issues both within Australia and internationally; # Increasing knowledge and analytical capabilities appropriate to climate change; # Developing competence in the design, conduct and analysis of research questions and experimental work, particularly for those students interested in pursuing a research career; and # Extending scholarly and critical attitudes in climate change studies. |
| Structure & Available Subjects: | <p>Students completing a Climate Change specialisation in the Master of Environment will complete two core subjects and complete at least three subjects from a compulsory specialist list of subjects. Students will choose the remainder of subjects from an approved subject list in consultation with the coordinator of the Climate Change stream. A full list of Climate Change stream subjects can be found here:</p> <p>http://environment.unimelb.edu.au/courses/streams/climate_change (http://environment.unimelb.edu.au/courses/streams/climate_change)</p> |
| Subject Options: | <p>Core Subjects</p> <p>Students are required to complete the subjects:</p> |

| Subject | Study Period Commencement: | Credit Points: |
|--|----------------------------|----------------|
| MULT90004 Sustainability Governance and Leadership | March, August | 12.50 |
| MULT90005 Interdisciplinarity and the Environment | Semester 2 | 12.50 |

Compulsory Subjects

and choose 3 subjects from the list of:

| Subject | Study Period Commencement: | Credit Points: |
|---|----------------------------|----------------|
| AGRI90057 Climate Change: Agric. Impacts & Adaptation | June, September | 12.50 |
| ATOC90002 Climate Affairs | Semester 2 | 12.50 |
| ENST90004 Climate Change Politics and Policy | Semester 2 | 12.50 |
| FRST90032 Forests, Carbon and Climate Change | June | 12.50 |
| LAWS70293 Climate Change Law | May | 12.50 |
| EVSC90017 Global Environmental Change | Semester 1 | 12.50 |

Elective Subjects

plus undertake electives to make up the balance of the award. The recommended list of electives includes:

| Subject | Study Period Commencement: | Credit Points: |
|---|----------------------------|----------------|
| ENEN90014 Sustainable Buildings | September | 12.50 |
| ECON90016 Environmental Economics and Strategy | Semester 1 | 12.50 |
| EDUC90006 Environmental Education | Semester 1 | 12.50 |
| ENEN90005 Environmental Management ISO 14000 | Semester 2 | 12.50 |
| ENEN90011 Energy Efficiency Technology | Semester 2 | 12.50 |
| ENEN90027 Energy for Sustainable Development | Not offered 2014 | 12.50 |
| ENST70001 Environmental Research Proj (50 Long) | Semester 1, Semester 2 | 25 |
| ENST90002 Social Impact Assessment and Evaluation | Semester 2 | 12.50 |
| ENST90005 Environmental Policy | Semester 2 | 12.50 |
| ENST90017 Environmental Policy Instruments | Semester 2 | 12.50 |
| ENST90006 Environmental Research Review (12.5) | Semester 1, Semester 2 | 12.50 |
| ENST90007 Environmental Research Project (25) | Semester 1, Semester 2 | 25 |
| ENST90016 Environmental Research Project (50) | Semester 1, Semester 2 | 50 |
| EVSC90001 Global Environment and Sustainability | February | 12.50 |
| EVSC90014 Environmental Risk Assessment | November | 12.50 |
| EVSC90015 Environmental Impact Assessment | Semester 1 | 12.50 |
| EVSC90016 Environmental Monitoring and Audit | Semester 2 | 12.50 |
| EVSC90020 Environmental Modelling | Semester 1 | 12.50 |

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| | FRST90025 Bushfire & Climate | March | 12.50 |
| | HPSC90010 Environment and Knowledge | Not offered 2014 | 12.50 |
| | LAWS70068 Environmental Law | September | 12.50 |
| | MGMT90019 Strategic Management | Not offered 2014 | 12.50 |
| | NRMT40001 Emerging Issues in Land Resources | Not offered 2014 | 12.50 |
| | NRMT90014 Sustainable Landscapes | Semester 1 | 12.50 |
| | NRMT90017 Leadership | February | 12.50 |
| | FRST90016 Trees in a Changing Climate | November | 12.50 |
| | DEVT90001 Project Management & Design | March | 12.50 |
| | POPH90230 Environmental Challenges & Global Health | June | 12.50 |
| | HORT90039 Green Infrastructure for Liveable Cities | November | 12.50 |
| | FRST90034 Ecological Restoration | September | 12.50 |
| | EVSC90020 Environmental Modelling | Semester 1 | 12.50 |
| | EVSC90009 Problem Solving in Environmental Science | Semester 2 | 12.50 |
| | LAWS70219 International Environmental Law | August | 12.50 |
| | GEOM90008 Foundations of Spatial Information | Semester 1 | 12.50 |
| | ENST90024 Environmental Research Project - 25 Long | Semester 1, Semester 2 | 12.50 |
| | ENST90025 Environmental Industry Research (25) | Semester 1, Semester 2 | 25 |
| | ENST90026 Environmental Industry Research: 25 Long | Semester 1, Semester 2 | 12.50 |
| | ENST90020 Environmental Industry Research (50) | Semester 1, Semester 2 | 50 |
| | ENST70002 Environmental Industry Research: 50 Long | Semester 1, Semester 2 | 25 |
| | DEVT90002 Internship in Development | January, Semester 1, Semester 2 | 12.50 |
| | DEVT90008 International Internship in Development | January, Semester 1, Semester 2 | 25 |
| | FRST90035 Forest Internship Project | Year Long | 25 |
| | AGRI90076 Internship for Land and Environment | Summer Term, Semester 1, Semester 2 | 12.50 |
| | FOOD90026 The Politics of Food | Semester 1, Semester 2 | 12.50 |
| | ENST90032 Contemporary Environmental Issues C | Semester 1 | 12.50 |
| Links to further information: | http://www.environment.unimelb.edu.au | | |
| Notes: | Other subjects may be approved at the discretion of the coordinator. | | |
| Related Course(s): | Master of Environment | | |