

Climate Change

Year and Campus:	2016
Coordinator:	Associate Professor Stefan Arndt, Faculty of Science
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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, July	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, July	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
ENST90033 Climate Change Mitigation	Semester 1	12.5
ENST90034 Adapting to Climate Change	April	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	Semester 1	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
FRST90025 Bushfire & Climate	March	12.50
HPSC90010 Environment and Knowledge	Semester 1	12.50
LAWS70068 Environmental Law	September	12.50
MGMT90019 Strategic Management	Not offered 2016	12.50
NRMT40001 Emerging Issues in Land Resources	Not offered 2016	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	Semester 1	12.50
POPH90230 Environmental Challenges & Global Health	July	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	October	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 Industry Internship	Summer Term, Semester 1, Semester 2	12.50
FOOD90026 The Politics of Food	Semester 1	12.50
ENST90032 Sustainability and Behavioural Change	Semester 1	12.50
AGRI90057 Climate Change: Agric. Impacts & Adaptation	June, July	12.50
ATOC90002 Climate Affairs	Semester 2	12.50
DEVT90001 Project Management & Design	Semester 1	12.50

	FRST90016 Trees in a Changing Climate	November	12.50
	ENST90004 Climate Change Politics and Policy	Semester 2	12.50
	FRST90032 Forests, Carbon and Climate Change	June	12.50
	ENST90022 Contemporary Environmental Issues A	Not offered 2016	12.50
	EVSC90017 Global Environmental Change	Semester 1	12.50
	FRST90033 Farm Trees & Agroforestry	October	12.50
	LAWS70293 Climate Change Law	May	12.50
	MGMT90121 Decision Analysis and Project Management	October	12.50
	ABPL90120 Building Sustainability	September	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		