Climate Change

Year and Campus:	2011
Coordinator:	Dr. Stefan Arndt (MSLE)
Contact:	**sarndt@unimelb.edu.au (mailto:sarndt@unimelb.edu.au)**
Overview:	Climate Change is offered as a major field of study in the Master of Environment degree. 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. 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. 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.
Objectives:	Students who complete the Master of Environment will have: • An advanced understanding of environmental issues • Advanced skills and techniques applicable to changing and managing the environment • An ability to evaluate and synthesise research and professional literature in the chosen stream or focus of study • An advanced understanding of the international context and sensitivities of environmental assessment The graduate attributes for the Master of Environment are: • Expertise in multidisciplinary understanding, analysis and research with an environmental focus • Collaborative approaches to environmental problem solving • Capacity to engage in critical social and sustainability questions The Master of Environment generic skills are: • Multidisciplinary and trans-disciplinary knowledge and research of environmental relevance • Collaborative environmental management skills • Capacity for independent learning across discipline boundaries The Climate Change major will provide a pathway to further study and prepare students for entry to middle and upper management positions by: • 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:	Students will be required to complete the two core subjects, plus choose three subjects from the compulsory subject list and undertake electives to make up the balance of the award. The selection of electives is made in consultation with the Climate Change major coordinator. For a current list of subjects offered in the Climate Change major, please refer to the course information page at: **http://www.oep.unimelb.edu.au/currentstudents/master_of_environment/specialist_paths_of_study/climatechange (http://**

www.oep.unimelb.edu.au/currentstudents/master_of_environment/specialist_paths_of_study/sustainable_forests)

Subject Options:

Core Subjects

Students are required to complete the subjects:

Subject	Study Period Commencement:	Credit Points:
MULT90005 Trans-disciplinary Thinking & Learning	Not offered 2011	12.50
MULT90004 Sustainability Policy and Management	March	12.50

Compulsory Subjects

and choose 3 subjects from the list of:

Subject	Study Period Commencement:	Credit Points:
ENST90004 Climate Change Politics and Policy	Semester 1	12.50
AGRI90057 Climate Change:Agric.Impacts&Adaptation	September	12.50
FRST90016 Trees in a Changing Climate	May	12.50
FRST90032 Forests, Carbon and Climate Change	June	12.50
ATOC90002 Climate Affairs	Semester 2	12.50
LAWS70293 Climate Change Law	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:
DEVT90003 The Political Ecology of Development	Not offered 2011	12.50
ENST90002 Social Impact Assessment and Evaluation	Semester 2	12.50
EVSC90015 Environmental Impact Assessment	Semester 1	12.50
HPSC90010 Environment and Knowledge	Not offered 2011	12.50
ENST90005 Environmental Policy	Semester 2	12.50
NRMT40001 Emerging Issues in Land Resources	Semester 2	12.50
HORT90003 Plants and the Urban Environment	Semester 1	12.50
EVSC90001 Global Environment and Sustainability	Not offered 2011	12.50
NRMT90014 Sustainable Landscapes	Semester 1	12.50
GEOG90006 Fundamentals & Management of GIS	Not offered 2011	12.50
NRMT90017 Leadership	February	12.50
FRST90025 Bushfire & Climate	July	12.50
FRST90029 International Forest Policy	Not offered 2011	12.50
FRST90033 Farm Trees & Agroforestry	May	12.50
ECON90016 Environmental Economics and Strategy	Semester 1	12.50
MGMT90019 Strategic Management	Semester 1, Semester 2	12.50

	MGMT90022 Managing Organisational Change	March	12.50
	MGMT90121 Decision Analysis and Project Management	Semester 2	12.50
	ENEN90005 Environmental Management ISO 14000	Not offered 2011	12.50
	ENEN90011 Energy Efficiency Technology	Not offered 2011	12.50
	ENEN90014 Sustainable Buildings	Not offered 2011	12.50
	ENEN90016 Engineering for Sustainable Environments	February	12.50
	ENEN90027 Energy for Sustainable Development	Not offered 2011	12.50
	EDUC90006 Environmental Education	Semester 1	12.50
	POPH90075 Living Longer: Global Perspectives	Semester 1	12.50
	EVSC90009 Problem Solving in Environmental Science	Semester 2	12.50
	EVSC90010 Environmental Risk Assessment	Semester 1	12.50
	EVSC90014 Environmental Risk Assessment	November	12.50
	EVSC90016 Environmental Monitoring and Audit	Not offered 2011	12.50
	EVSC90017 Global Environmental Change	Not offered 2011	12.50
	CHEM90007 Environmental Chemistry	Semester 1	12.50
	ATOC90004 Current Topics in Atmospheric Science	Semester 1	12.50
	ATOC90007 Mesoscale Atmospheric Dynamics	Not offered 2011	12.50
	LAWS70068 Environmental Law	September	12.50
	LAWS70219 International Environmental Law	May	12.50
	ENST90006 Environmental Research Review	Semester 1, Semester 2	12.50
	ENST90007 Environmental Research Topic	Semester 1, Semester 2	25
	ENST90018 Environmental Research Topic	Semester 1, Semester 2	37.50
	ENST90016 Environmental Research Project	Semester 1, Semester 2	50
	ENST70001 Environmental Research Proj (long) MYE	Semester 1, Semester 2	25
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 Master of Environment		