Energy Studies

Year and Campus:	2014			
Coordinator:	Dr Lu Aye (Engineering)			
Contact:	Office for Environmental Programs Ground Floor, Walter Boas Building (building 163) Enquiries Phone: 13 MELB (13 6352) Email: 13MELB@unimelb.edu.au (mailto:13MELB@unimelb.edu.au)			
Overview:	Energy Studies is offered as a major field of study in the Master of Environment degree.			
	The amount of energy we consume as a global society is immediately impacted by the technologies we use to consume that energy, and how that energy is produced.			
	The Energy Studies major is concerned with the theoretical and practical needs of professionals working in energy use and planning. A range of technologies, both mainstream and non-conventional, can be used for energy supply. We study these technologies and how they can be applied in energy planning and energy end use. We also examine the social and political factors influencing the acceptance of energy technologies.			
	The Energy Studies major is a great way of accessing elements of an erfor students with an undergraduate degree in other disciplines. Graduate employment in energy agencies, utility companies, industry, education, a			
Learning Outcomes:	Students who complete the Master of Environment will have: # Knowledge to undertake professional practice in environment or sustainability, including:			
	# Skills for collaborative and creative problem solving in e		_	
	# Demonstrated capacity to:			
	Upon successful completion of the Energy Studies specialis	ation students will be ab	ale to:	
	# Analyse technological, social and political factors influer			
	systems;	ioning the success of che	ТЭУ	
	# Explain the advantages and limitations of energy technol			
	 # Propose strategies for application of mainstream and not effective energy planning; and # Collaborate with engineers, policy makers and other statements energy technologies. 			
Structure & Available Subjects:	Students will be required to complete the two core subjects, plus choose three subjects from the compulsory specialisation subject list. Students must also undertake electives to make up the balance of the award. The selection of electives is made in consultation with the Energy Studies major coordinator.			
	A full list of subjects available within this specialisation can be found at http://environment.unimelb.edu.au/courses/streams/energy_studies (http://environment.unimelb.edu.au/courses/streams/energy_studies)			
Subject Options:	Core Subjects			
	Students are required to complete the subjects:			
	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:	

Page 1 of 3 02/02/2017 1:41 P.M.

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
ENEN90033 Solar Energy	Semester 1	12.50
ENEN90014 Sustainable Buildings	September	12.50
ABPL90120 Building Sustainability	September	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:
ABPL90032 Building Services and Operations	Semester 1	12.50
ABPL90049 Environmental Design	Not offered 2014	12.50
ABPL90268 Building Envelopes	Semester 2	12.50
ACCT90031 Sustainability Accounting	Semester 2	12.50
GEOG90021 Conservation and Cultural Environments	Semester 1	12.50
CHEM90007 Environmental Chemistry	Semester 1	12.50
DEVT90009 Development Theories	Semester 1	12.50
ECON90016 Environmental Economics and Strategy	Semester 1	12.50
ENEN90031 Quantitative Environmental Modelling	Semester 1	12.50
ENEN90032 Environmental Analysis Tools	Semester 2	12.50
ENST70001 Environmental Research Proj (50 Long)	Semester 1, Semester 2	25
ENST90002 Social Impact Assessment and Evaluation	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
ENGR90030 Non-Renewable Energy	Semester 2	12.50
EVSC90014 Environmental Risk Assessment	November	12.50
EVSC90015 Environmental Impact Assessment	Semester 1	12.50
GEOM90005 Remote Sensing	Semester 2	12.50
GEOM90006 Spatial Analysis	Semester 2	12.50
GEOM90008 Foundations of Spatial Information	Semester 1	12.50
LAWS70068 Environmental Law	September	12.50
MAST90007 Statistics for Research Workers	June	12.50
NRMT90003 Social Research Methods	Semester 1	12.50

Page 2 of 3 02/02/2017 1:41 P.M.

	SCIE90014 Renewable Energy	Semester 2	12.50
	DEVT90008 International Internship in Development	January, Semester 1, Semester 2	25
	ENST70002 Environmental Industry Research: 50 Long	Semester 1, Semester 2	25
	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
	ENST90024 Environmental Research Project - 25 Long	Semester 1, Semester 2	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		

Page 3 of 3 02/02/2017 1:41 P.M.