ECP77323 — Energy, Environment & Climate Change

Module Information	
Module Code	ECP77323
Module Title	Energy, Environment & Climate Change
Department	Economics
Module Personnel	Muireann Lynch/Niall Farrell
Academic Year	2026-27
Credit Weighting	5
Semester	Semester 1
Contact Hours	14

Module Content	
Module Description	This module aims to provide students with practical insights into designing and implementing research projects that answer pressing policy questions across the fields of energy, environment and climate. The course will be based around 5 policy applications (i.e. 5 published research papers/topics). By the end of the module students will be able to use their knowledge of economic theory and analytical methods to investigate quantitative issues surrounding the associated policy questions. Topics covered include: • Environment: non-market valuation (e.g. water quality, ecosystem services) • Energy: electricity market modelling, renewable integration, consumer preferences. Energy demand modelling and distributional effects of environmental policies regarding energy consumption • Climate: Climate policy assessment, carbon taxation, economic impact, transitional impacts
Module Learning Aims	None
Learning Outcomes	On successful completion of this module, students should be able to: MLO11.1 Evaluate research approaches/methods used in energy, environment and climate policy evaluation; MLO11.2 Assess strength of quantitative research findings in energy, environment and climate policy;

Module Content	
	MLO11.3 Appraise associated policy conclusions.
Indicative Reading / Resources	None

Assessment	
Assessment Components	Continuous assessment 100%
Assessment Details	None

Additional Information	
Prerequisites	None
Co-requisites	None
Any other information	None