

Syllabus

Course Description

Course Title	Energy and Resource Economics
Course Code	27613
Course Title Additional	
Scientific-Disciplinary Sector	SECS-P/03
Language	English
Degree Course	Master in Public Policy and Innovative Governance
Other Degree Courses (Loaned)	
Lecturers	
Teaching Assistant	
Semester	Second semester
Course Year/s	2
CP	6
Teaching Hours	36 ONLINE
Lab Hours	-
Individual Study Hours	
Planned Office Hours	18 ONLINE
Contents Summary	Economic principles related to energy production, distribution, and consumption, and their relationship with climate change. Policy and regulation for sustainable energy and resource management, including externalities, international agreements, and renewable energy economics. Quantitative analysis using econometric models to measure policy effectiveness and market dynamics in energy and resource markets.
Course Topics	
Keywords	
Recommended Prerequisites	
Propaedeutic Courses	
Teaching Format	

Mandatory Attendance	Attendance is recommended, but not mandatory.
Specific Educational Objectives and Learning Outcomes	<p>Knowledge and understanding</p> <p>The student will acquire the knowledge of economic theory necessary to understand and analyse economic and business phenomena in the public sector in order to support decision-making processes. Knowledge of public policy and the tools necessary for the design of sustainable policies will be consolidated. Knowledge related to the labour market, education and health will also be deepened, functional to the development of public policy analysis and evaluation skills.</p> <p>Ability to apply knowledge and understanding</p> <p>The student will acquire the ability to:</p> <ul style="list-style-type: none"> - interpret market trends through the application of appropriate economic models and implement economic analysis tools, also using data; - apply economic models to describe the behaviour of economic agents and develop sustainable economic policies in various application domains of interest to companies and public bodies. <p>Autonomy of judgement</p> <p>The student will acquire the ability to:</p> <ul style="list-style-type: none"> - apply acquired knowledge to interpret economic and business phenomena in order to make managerial and operational decisions in the context of public administration; - select data and use appropriate information to describe a problem concerning the design, implementation and evaluation of public sector projects and policies, aiming at innovation and improvement of processes, products and results; - relate models and empirical evidence in the study of public policy phenomena; - reflect, also in a perspective of public ethics and sustainability with regard to future generations, on the responsibilities connected with the use of public resources. <p>Communication skills</p>

	<p>The student will acquire the ability to communicate effectively in oral and written form the specialised content of the individual disciplines, using different registers according to recipients and communicative and didactic purposes, and to evaluate the formative effects of his/her communication.</p> <p>Learning skills</p> <p>The student will acquire the ability to:</p> <ul style="list-style-type: none"> - use information technology autonomously to carry out bibliographic research and investigations and for one's own training and updating; - identify thematic links and establish relationships between different cases and contexts of analysis; - frame a new problem systematically and generate appropriate taxonomies; - develop general models from the phenomena studied.
Specific Educational Objectives and Learning Outcomes (additional info.)	
Assessment	
Evaluation Criteria	
Required Readings	
Supplementary Readings	
Further Information	
Sustainable Development Goals (SDGs)	