



UNIVERSITY OF PIRAEUS

1) GENERAL

SCHOOL	ECONOMICS, BUSINESS AND INTERNATIONAL STUDIES		
ACADEMIC UNIT	ECONOMICS		
LEVEL OF STUDIES	UNDERGRADUATE		
COURSE CODE	OKOIK63	SEMESTER	6
COURSE TITLE	ENVIRONMENTAL ECONOMICS		
INDEPENDENT TEACHING ACTIVITIES	WEEKLY TEACHING HOURS	CREDITS	
Lectures	4	5	
COURSE TYPE	Scientific Expertise		
PREREQUISITE COURSES	-		
LANGUAGE OF INSTRUCTION and EXAMINATIONS	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	Yes		
COURSE WEBSITE (URL)	https://eclass.unipi.gr/courses/OEP103/		

2) LEARNING OUTCOMES

Learning Outcomes

This course provides a general overview, from an economic point of view, of policies for the use of natural resources and for managing the quality of the environment. The emphasis is on the methodology of approaching these issues with some references to topical applications such as greenhouse effect and environmental pollution. In particular, it initially presents the principles of its economic environment, including a cost-benefit analysis, and then briefly makes reference to the principles of use of renewable and scarce resources and to designing environmental policy on issues of air pollution, global pollution and water pollution. Finally, a brief reference is made to the wider issue of development, environment and equality.

The objectives of the course are:

- To provide students with a comprehensive overview of the economic environment and the general context on which it is based.
- Recruiting knowledge about the subject
- Understanding the methodology related to this subject.
- Strengthening some of the skills and critical faculty of the students. This is expected to be achieved both through the main educational process (lectures) and through the accompanying educational processes (lectures of invited speakers, assignment and presentation of research papers, commentary on current issues, etc.)

General Competences

- Decision-making
- ✓ Individual/Independent work
- ✓ Adapting to new situations
- ✓ Project planning and management
- ✓ Introduction of innovative research

3) SYLLABUS

1. Introduction to Energy Economics.
2. Market failures and state intervention
3. Environmental policy instruments (market based instruments, command and control measures)
4. Economic policy for environmental degradation
5. Economy and Environment (Pollution and economic growth, environmental Kuznets curve, Lorenz curve)
6. Energy footprint
7. World agreements for climate change (Kyoto Protocol, Paris agreement)
8. Green taxes and tradable permits under symmetric and asymmetric information
9. Energy sector and environment

4) TEACHING and LEARNING METHODS

DELIVERY	In-class lectures	
USE OF INFORMATION AND COMMUNICATION TECHNOLOGY	Use of ICT in lectures and in communication with students.	
TEACHING METHODS	Activity	Semester workload
	Lectures	52
	Essay Writing	28
	Case Studies	22
	Self-Directed Study	21
	Final Exam	2
	Course Total	125
STUDENT PERFORMANCE EVALUATION	Language of evaluation: Greek (English is used in cases of Erasmus+ students) Evaluation method: written essay (60%) and final examination (multiple choice) – 40%	
ATTACHED BIBLIOGRAPHY	<ol style="list-style-type: none">1. Karkalakos S. and M. Polemis. Sustainable Development, Environment and Energy, Publisher Tsotras Athanasios, 2022, Second Edition.2. Tietenberg Tom, Lewis Lynne, Environmental Economics and Natural Resources, Publisher: G and K Dardanos, 20103. S. Karvounis, J. Georgakellos. Environmental management, Publisher: Markella Varvarigou <p>Related scientific journals:</p> <ul style="list-style-type: none">• JOURNAL OF ENVIRONMENTAL ECONOMICS AND MANAGEMENT• ENVIRONMENTAL AND RESOURCE ECONOMICS• RESOURCE AND ENERGY ECONOMICS• BUSINESS STRATEGY AND THE ENVIRONMENT• THE ENERGY JOURNAL• ENERGY ECONOMICS	