



COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Technology		
ACADEMIC UNIT	Department of Environmental Sciences		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	AY304	SEMESTER	3rd
COURSE TITLE	ENVIRONMENTAL ECONOMICS I		
INDEPENDENT TEACHING ACTIVITIES	WEEKLY TEACHING HOURS		CREDITS
Teaching Hours		4	4
COURSE TYPE	General background		
PREREQUISITE COURSES	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	No		
COURSE WEBSITE (URL)	https://eclass.uth.gr/courses/ENV_U_193/		

(2) LEARNING OUTCOMES

Learning outcomes
<p>The course objectives are:</p> <ul style="list-style-type: none">• To contribute to students' understanding of the concepts of sustainable development and the interaction of the economy and the environment/natural resources, and to their understanding of production and consumption impacts on the environment.• To offer students the opportunity to acquire the necessary knowledge (methods and techniques) to apply the analytical tools and models of economic theory to environmental problems and the management of natural resources.• To teach students to appreciate actions such as recycling, waste prevention, improved design in production in conjunction with global, European and national policies, in order to contribute to the cost-effective use of resources. <p>Upon successful completion of the course, students will be able to:</p> <ul style="list-style-type: none">• Understand the concept of sustainable development and its pillars.• Understand the relationship between the economy and the environment and compare different approaches.• Thoroughly comprehend the principles of economic theory and its basic concepts.• Analyze the indicators of sustainable development and the economics of sustainability.• Perceive the concepts of corporate social responsibility and circular economy as contributors to sustainable development.
General Competences
<ul style="list-style-type: none">• Search for, analysis and synthesis of data and information, with the use of the necessary technology• Working independently• Team work• Respect for the natural environment• Production of free, creative and inductive thinking

(3) SYLLABUS

<ul style="list-style-type: none">• Introduction – General concepts.• The International Conferences for the environment.• Sustainable Development – Pillars – Basic concept.• Natural environment and Economy – Approach.• Environmental thinking in economics.

- Principles of Economic Theory.
- Basic concepts in economics: Demand and Supply.
- Forms of Markets.
- Development and consumption – natural wealth.
- Measuring sustainable development – Indicators.
- The economics of sustainability and the environment.
- Sustainability and growth.
- Agenda 2030 and sustainable development.
- Corporate social responsibility as a factor of sustainable development.
- Circular economy and sustainable development.

(4) TEACHING and LEARNING METHODS – EVALUATION

DELIVERY	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	<ul style="list-style-type: none"> • Use of PowerPoint slides • View material in video • Visit and use of websites' material • Communication with students via e-mail • Use of asynchronous distance learning (e-class) 	
TEACHING METHODS	Activity	Semester workload
	Lectures	39
	Problems solving	13
	Study and analysis of bibliography	13
	Essay writing	25
	Course total (25 hours workload per credit)	100
STUDENT PERFORMANCE EVALUATION	<p>Students' performance is evaluated in the Greek language. The final grade is determined by:</p> <ul style="list-style-type: none"> • A written exam (at the end of the semester) that contributes 70% to the final grade, applying one or more of the following evaluation methods: Multiple choice questions, short-answer questions, problem solving. • The elaboration of an individual assignment (essay) in the 2nd half of the semester, contributing 30% to the final grade. The individual assignment (essay) may be presented by the student in class. <p>Final Grade = 70% Exam Grade + 30% Assignment Grade</p>	

(5) ATTACHED BIBLIOGRAPHY

- Chalkos, E. G., (2021) *Natural Resources and Environmental Economics*, 2nd Edition/2021. Thessaloniki: Disigma Publications. ISBN: 9786182020579 (in Greek)
- Hussen, A., (2023) *Principles of Environmental Economics and Sustainability: An Integrated Economic and Ecological Approach*. Natis, Stefanos, & Chatzistamoulou, Nikolaos (eds) 1st Edition/2023. Athens: KRITIKI Publishing S.A. ISBN: 9789605864439 (in Greek)
- Tsiaras, S. & Tsiroukis, A., (2023) *Environment and Sustainable Development* [Undergraduate book]. Kallipos, Open Academic Editions. <https://dx.doi.org/10.57713/kallipos-130> (in Greek)