



COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Technology		
ACADEMIC UNIT	Department of Environmental Sciences		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	AY601	SEMESTER	6th
COURSE TITLE	ENVIRONMENTAL EDUCATION		
INDEPENDENT TEACHING ACTIVITIES	WEEKLY TEACHING HOURS		CREDITS
Teaching Hours		4	5
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_149/		

(2) LEARNING OUTCOMES

Learning outcomes
The course aims to familiarize students with modern theories, principles and pedagogical methods applied to the study of the environment and related issues, and present to them the interconnection of environmental and pedagogical principles underlying environmental education with the educational practice. Upon successful completion of the course, students will have acquired the necessary knowledge, skills and competence, and will be able to: • Further develop and improve their knowledge and skills which they can use as tools to understand the complexity of contemporary and timeless environmental issues and their holistic approach. • Understand principles and processes in the structure and operation of the environment. • Comprehend modern pedagogical methods and scientific attitudes that are used in the implementation of environmental projects. • Assess the threats and risks induced by natural and anthropogenic environmental pollution and rationally deal with their consequences, on the basis of sustainable development. • Undertake action and support strategic planning of innovative solutions towards sustainable development, in cooperation with responsible authorities and citizens. • Process and evaluate the results of the management methods, applied in each case, in order to promote the experiential approach of environmental education programmes.
General Competences
• Search for, analysis and synthesis of data and information, with the use of the necessary technology • Decision-making • Working independently • Team work • Production of new research ideas • Project planning and management • Respect for the natural environment • Production of free, creative and inductive thinking

(3) SYLLABUS

• Environmental Education, content, history and evolution at international and national level. • Theoretical framework of Environmental Education, applied in the study of environmental issues (systemic, ecosystemic and interdisciplinary approach). • Pedagogical framework of Environmental Education (systemic, critical thinking, intersubjectivity, constructivism, cooperative learning, cultivation of values, citizenship, experiential learning).

- Modern pedagogical methods aimed at active learning, highlighting and stimulating the principle of student autonomy, in combination with methods such as action research, case studies, the project method, which are applied for the implementation of activities and educational interventions.
- Contemporary environmental issues related to sustainable development, environmental quality and social inequalities.
- Experiential exercises and practices (eco-sensations, eco-interviews, discovery of nature in the field), to familiarize students with the above issues and in particular with the pedagogical approaches for the inclusion and promotion of Environmental Education at all levels of the educational system.

(4) TEACHING and LEARNING METHODS – EVALUATION

DELIVERY	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	• Use of PowerPoint slides • View material in video • Communication with students via e-mail • Use of asynchronous distance learning (e-class)	
TEACHING METHODS	Activity	Semester workload
	Lectures	52
	Study and analysis of bibliography	48
	Essay writing	25
	Course total (25 hours workload per credit)	125
STUDENT PERFORMANCE EVALUATION	Students' performance is evaluated in the Greek language. The final grade is determined by: • 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. • Elaboration and delivery of a written assignment (during the semester) that contributes 30% to the final grade. Final Grade = 70% Exam Grade + 30% Assignment Grade	

(5) ATTACHED BIBLIOGRAPHY

Hens:

- Dimitriou, A. (2009) *Environmental Education: Environment, Sustainability*. Athens: EPIKENTRO Publishers (in Greek)
- Georgopoulos, A. (2014) *Environmental Education*. Athens: Gutenberg Publications (in Greek)
- Paraskevopoulos, S., Korfiatis, K. (2016) *Environmental Education*. Thessaloniki: Kyriakidis Bros Publications S.A. (in Greek)