COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Technology		
ACADEMIC UNIT	Department of Environmental Sciences		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	**AY701**	**SEMESTER**	**7th**
COURSE TITLE	**ENVIRONMENTAL IMPACT ASSESSMENT**		
INDEPENDENT TEACHING ACTIVITIES	**WEEKLY TEACHING HOURS**		**CREDITS**
Teaching Hours	5		6
COURSE TYPE	Skills development		
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_182		

(2) LEARNING OUTCOMES

Learning outcomes

Upon successful completion of the course, students will have acquired specific knowledge, skills and competences and will be able to:

- Make use of knowledge acquired in the specialized courses dealing with the individual parameters of environmental issues.
- Study intervention projects and assess and evaluate their environmental impacts, having acquired the necessary skills.
- Identify and record data, prioritize them, investigate and formulate proposals to deal with environmental impacts, and draw up comprehensive studies, having acquired knowledge of the institutional framework and using standard methodologies as tools.
- Comprehend thoroughly the requirements of the Law regarding the drafting of Environmental Impact Assessments (EIA) which must be submitted for the issuing of a Decision Approving Environmental Conditions (DAEC) type A1, A2 and B for facilities.

General Competences

- Search for, analysis and synthesis of data and information, with the use of the necessary technology
- Decision-making
- Working independently
- Team work
- Respect for the natural environment
- Criticism and self-criticism
- Production of free, creative and inductive thinking

(3) SYLLABUS

- Values, application principles, environmental impact assessment and evaluation procedures.
- Environmental impact assessment legislation.
- Environmental Licensing, legislation, procedures, renewal and amendment of Decision Approving Environmental Conditions (DAEC).
- Natural and man-made environment, protection, species, regions.
- Project-activity scheduling process, means, impacts, planning rules.
- Scope, description of existing environmental situation with recording of natural and man-made parameters and content of Environmental Impact Assessment (EIA).
- Special Ecological Assessment and Natura network areas.
- Environmental impact identification, types, categories, assessment, tools, methods and maps.

- Impacts on the atmosphere, surface and ground water, and soil.
- Ambient air quality parameters and standards, emission standards.
- Water protection, liquid and solid waste management.
- Environmental noise impacts, calculation and management methods.
- Electromagnetic radiation - emissions, exposure patterns and impacts.
- Categories of Environmental Impact Assessment (EIA), EIA content, EIA Legislation, environmental impact assessment and evaluation.
- EIA writing techniques.

(4) TEACHING and LEARNING METHODS – EVALUATION

<table>
<tr><td>DELIVERY</td><td>Face-to-face</td></tr>
<tr><td>USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY</td><td>• Use of PowerPoint slides
• Communication with students via e-mail
• Use of asynchronous distance learning (e-class)</td></tr>
<tr><td>TEACHING METHODS</td><td>
<table>
<tr><th>Activity</th><th>Semester workload</th></tr>
<tr><td>Lectures</td><td>52</td></tr>
<tr><td>Fieldwork</td><td>26</td></tr>
<tr><td>Study and analysis of bibliography</td><td>22</td></tr>
<tr><td>Essay writing</td><td>50</td></tr>
<tr><td>Course total
(25 hours workload per credit)</td><td>150</td></tr>
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<tr><td>STUDENT PERFORMANCE EVALUATION</td><td>Students' performance is evaluated in the Greek language. The final grade is determined by:
• A written exam (at the end of the semester) which contributes 70% to the final grade, applying one or more of the following evaluation methods: Multiple-choice questions, short-answer questions, problem-solving.
• Elaboration of an individual essay, in the 2nd half of the semester, which contributes 30% to the final grade. The essay may be presented by the students in class.
Final Grade = 70% Exam Grade + 30% Essay Grade</td></tr>
</table>

(5) ATTACHED BIBLIOGRAPHY

- Kougolos, A. and Karathanasis, S. (2023) *Environmental Impact Assessment*. Edition: 2nd/2023. Thessaloniki: TZIOLA Publications. ISBN: 9786182210369. (in Greek)
- Vagiona, D. (2021) *Environmental Impact Assessment*. Edition: 2nd/2021. Thessaloniki: Disigma Publications. ISBN: 9786182020654. (in Greek)
- Vatalis, K. (2019) *Sustainable Management - Environmental Impacts of Projects*. Publisher: Alexandrosikebooks. ISBN: 9786188444898 (in Greek)