COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Technology		
ACADEMIC UNIT	Department of Environmental Sciences		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	**AAY301**	**SEMESTER**	**3rd**
COURSE TITLE	**WORKSHOP: GLOBAL ENVIRONMENTAL ISSUES**		
INDEPENDENT TEACHING ACTIVITIES	**WEEKLY TEACHING HOURS**	**CREDITS**	
Teaching Hours	4	3	
COURSE TYPE	Skills development		
PREREQUISITE COURSES	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS	English		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	Yes		
COURSE WEBSITE (URL)	https://eclass.uth.gr/courses/ENV_U_188/		

(2) LEARNING OUTCOMES

Learning outcomes

The course aims to:

- Promote a broad understanding of the important environmental problems facing the modern world, as they are presented in the EU and UN studies and reports.
- Familiarize students with the English register used to discuss global environmental issues and challenges, environmental policies decided upon and actions taken, both at vocabulary and discourse level.
- Provide students with opportunities to further practise comprehension skills, such as skimming and scanning, when dealing with longer texts in their subject area in English.
- Engage students in discussions and presentations in English, in order for them to practise the key environmental science vocabulary.
- Enable students to develop receptive skills (reading and listening) and activate productive skills (writing and speaking) in the subject area of environmental sciences in English.
- Develop students' academic skills in English and foster their learning skills, aiming at autonomous and creative learning.
- Equip students with the required knowledge and fluency in English to participate in the Erasmus+ mobility programme.

Upon successful completion of the course, students should be able to:

- Demonstrate a broad understanding of the important environmental problems facing the modern world, as they are presented in the EU and UN studies and reports.
- Analyse, comprehend and process longer scientific texts in the field of environmental studies in English.
- Articulate in English the interconnected and interdisciplinary nature of environmental science.
- Describe the ambitious and coherent environmental policies and legislation applied by EU bodies and international organizations such as the UN, using the proper English vocabulary and register.
- Communicate complex environmental information in English, both in oral and written language.
- Engage in sustainability-related projects and/or pursue professional careers and advanced studies in an English-speaking context in the future.

General Competences

- Adapting to new situations
- Team work
- Working in an international environment
- Working in an interdisciplinary environment
- Respect for the natural environment
- Critical thinking

- Production of free, creative and inductive thinking

(3) SYLLABUS

The module will deal with the global perspective of the following topics in terms of challenges and policies:

- Environmental science and environmental scientists
- The atmosphere and climate change
- Computers in environmental science
- Energy resources and ecological footprint
- Soil as a resource, and soil and land management
- Recycling waste
- Ecosystems and pollution
- Preserving biodiversity
- Agriculture and the future of farming
- Sustainability through EU and UN sustainable development goals
- The European Green Deal
- Literature review guidelines
- Improving coherence, cohesion and unity in an academic text.

(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>35</td></tr>
<tr><td>Laboratory practice</td><td>20</td></tr>
<tr><td>Essay writing</td><td>20</td></tr>
<tr><td>Course total
(25 hours workload per credit)</td><td>75</td></tr>
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<tr><td>STUDENT PERFORMANCE EVALUATION</td><td>Students’ performance is evaluated in the English language. The final grade is determined by:
• A written exam (at the end of the semester) that contributes 100% to the final grade, applying one or more of the following evaluation methods: comprehension questions, open-ended questions, multiple-choice questions, matching questions, short-answer questions, problem-solving, etc.
Final Grade = 100% Exam Grade</td></tr>
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(5) ATTACHED BIBLIOGRAPHY

- Falkner, Robert (Ed) (2013) *The Handbook of Global Climate and Environment Policy* [electronic resource]. Chichester: John Wiley & Sons, Ltd. HEAL-Link Wiley e-books. ISBN: 9781118326213.
- Lee, R., Matheson, R. & Chrimes, John (2019) *English for Agribusiness & Agriculture, Environmental Science & Biomedical Science*. Nicosia: Broken Hill Publishers Ltd. ISBN: 9789925575824.
- The European environment — state and outlook 2020: knowledge for transition to a sustainable Europe, 2020, https://www.eea.europa.eu/soer/2020
- UNESCO Environmental Sustainability Report, 2022, https://unesdoc.unesco.org/ark:/48223/pf0000383996