

ΠΕΡΙΓΡΑΜΜΑ ΜΑΘΗΜΑΤΟΣ

FACULTY/SCHOOL	TECHNOLOGY		
DEPARTMENT	ENVIRONMENTAL SCIENCES		
LEVEL OF STUDY	<i>Undergraduate</i>		
COURSE UNIT CODE	NEW COURSE	SEMESTER	H (8 th)
COURSE TITLE	ENVIRONMENTAL IMPACT ASSESEMENT		
INDEPENDENT TEACHING ACTIVITIES In case credits are awarded for separate components/parts of the course, e.g. in lectures, laboratory exercises, etc. If credits are awarded for the entire course, give the weekly teaching hours and the total credits		WEEKLY TEACHNG HOURS	CREDITS
THEORETICAL BACKGROUND		4	4
<i>Προσθέστε σειρές αν χρειαστεί. Η οργάνωση διδασκαλίας και οι διδακτικές μέθοδοι που χρησιμοποιούνται περιγράφονται αναλυτικά στο 4.</i>		4	4
COURSE TYPE Background knowledge, Scientific expertise, General Knowledge, Skills Development	BACKGROUND		
PREREQUISITE COURSES:	NO		
LANGUAGE OF INSTRUCTION & EXAMINATION/ASSESSMENT:	GREEK		
THE COURSE IS OFFERED TO ERASMUS STUDENTS	YES		
COURSE WEBSITE (URL)			

(2) LEARNING OUTCOMES

Learning Outcomes

The course learning outcomes, specific knowledge, skills and competences of an appropriate (certain) level, which students will acquire upon successful completion of the course, are described in detail. It is necessary to consult:

APPENDIX A: Description of the level of learning outcomes for each level of study, in accordance with the European Higher Education Qualifications' Framework. Descriptive indicators for Levels 6, 7 & 8 of the European Qualifications Framework for Lifelong Learning and

APPENDIX B: Guidelines for writing Learning Outcomes

The purpose of the course is for the student to become acquainted with the nature of air pollutants, and their sources of emission. It will also cover secondary air pollutants (photochemical pollution).

The student will learn the legislature requirements for the protection of the environment and the procedure for writing an environmental impact assessment report of the types A1, A2 and B. It is expected that the student will require the skills and experience to write an environmental impact assessment report.

General Competences

Taking into consideration the general competences that students/graduates must acquire (as those are described in the Diploma Supplement and are mentioned below), at which of the following does the course attendance aim?

Search for, analysis and synthesis of data and information by the use of appropriate technologies, Adapting to new situations Decision-making Individual/Independent work Group/Team work, Working in an international environment, Working in an interdisciplinary environment, Introduction of innovative research, Project planning and management, Respect for diversity and multiculturalism, Environmental awareness, Social, professional and ethical responsibility and sensitivity to gender issues, Critical thinking, Development of free, creative and inductive thinking.

- Search, analyze and synthesize data and information, using the necessary technologies
- Decision making
- Autonomous work
- Teamwork
- Project design and management
- Respect for the natural environment
- Promoting free, creative and inductive thinking

(3) COURSE CONTENT

Theory

Types of environmental assessment reports. Legislature requirements, content of an environmental assessment report. Assessment of environment degradation, assessment of pre-positioning an installment. Methodology in environmental impact assessment. Impact on the physical and human environment, impact on the subsoil and underground water. Natura areas. Energy production and energy savings. Water recycling, raw materials recycling. Estimations of air pollutant and wastewater effluents. Dangerous and non-dangerous solid wastes and their management. Required antipollution technologies. Technical impact assessment report writing.

(4) TEACHING METHODS-ASSESSMENT

MODES OF DELIVERY Face-to-face, in-class lecturing, distance teaching and distance learning etc.	<ul style="list-style-type: none"> • Lectures in the classroom or by distance • Team discussion • Laboratory exercises 	
USE OF INFORMATION AND COMMUNICATION TECHNOLOGY Use of ICT in teaching, Laboratory Education, Communication with students	<ul style="list-style-type: none"> • Powerpoint. • View video material • e-mail. • e-class 	
COURSE DESIGN Description of teaching techniques, practices and methods: Lectures,	Activity	Semester Workload
	Lectures	52
	Homework(s)	38

seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, Internship, Art Workshop, Interactive teaching, Educational visits, projects, Essay writing, Artistic creativity, etc. The study hours for each learning activity as well as the hours of selfdirected study are given following the principles of the ECTS.	Individual Theory Study	10
	Course total (25 hours of workload per credit unit)	100
<p>STUDENT PERFORMANCE EVALUATION/ASSESSMENT METHODS</p> <p>Detailed description of the evaluation procedures:</p> <p><i>Language of evaluation, assessment methods, formative or summative (conclusive), multiple choice tests, short- answer questions, openended questions, problem solving, written work, essay/report, oral exam, presentation, laboratory work, other.....etc.</i></p> <p><i>Specifically, defined evaluation criteria are stated, as well as if and where they are accessible by the students.</i></p>	<ul style="list-style-type: none"> • Midterm (optional, exam or homework assignment) = 40% • 60% final exam, or 100% if midterm exam is not given 	
<p><u>SUGGESTED BIBLIOGRAPHY:</u></p> <ol style="list-style-type: none"> 1. Βαγιωνά Γ. Δήμητρα, “Μελέτες περιβαλλοντικών επιπτώσεων”, 2018, ISBN13 978-618-5242-20-6, Εκδότης: ΔΙΣΙΓΜΑ 2. Βαβίζος Γ.Χ. & Ζαννάκη Κ. (1998), Οικολογική Θεωρία και Πράξη στις Περιβαλλοντικές Μελέτες, Εκδόσεις Παπαζήση, ISBN:960-02-1283-Χ. 3. Miller T. G, 1999, Βιώνοντας στο Περιβάλλον, Εκδόσεις ΙΩΝ, ISBN: 960-405-914-9, 1999. 4. Μανωλιάδης Ο., 2002, Περιβαλλοντικός Σχεδιασμός, Εκδόσεις ΙΩΝ, ISBN: 960-411-282-1, 2002. 5. Βαβίζος Γ., Μερτζάνης Α., 2003, Περιβάλλον: Μελέτες Περιβαλλοντικών Επιπτώσεων, Εκδόσεις Παπασωτηρίου, Αθήνα, 2003, ISVN: 9789607530035. 6. Born M., (1999), Environmental Description Manual, BFW, Bremen. 7. US-EPA, (1999), Considering Ecological Processes in Environmental Impact Assessment. 8. US-EPA, (1997), Terms of Environment, National Service Center for Environmental Publications. US. 9. Τεχνολογία και Παγκόσμια Περιβαλλοντικά Προβλήματα, Εκδοτικός Οίκος ΙΩΝ, Αριθμός Έκδοσης: ISBN 960-411-173-6, Έτος Έκδοσης: 2001. <p><u>Complementary bibliography</u></p> <p>Instructor class notes</p>		