

## COURSE OUTLINE

### (1) General information

<b>FACULTY/SCHOOL</b>	TECHNOLOGY		
<b>DEPARTMENT</b>	ENVIRONMENTAL SCIENCES		
<b>LEVEL OF STUDY</b>	<i>Undergraduate</i>		
<b>COURSE UNIT CODE</b>	NEW COURSE	<b>SEMESTER</b>	7
<b>COURSE TITLE</b>	ENVIRONMENTAL RISK ASSESSMENT AND MANAGEMENT		
<b>INDEPENDENT TEACHING ACTIVITIES</b> 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		<b>WEEKLY TEACHING HOURS</b>	<b>CREDITS</b>
<b>THEORETICAL BACKGROUND</b>		4	5
<b>LABORATORY PRACTICE</b>			
<b>TOTAL</b>		4	5
<b>COURSE TYPE</b> Background knowledge, Scientific expertise, General Knowledge, Skills Development	GENERAL KNOWLEDGE, SKILLS DEVELOPMENT		
<b>PREREQUISITE COURSES:</b>	ECOLOGY		
<b>LANGUAGE OF INSTRUCTION &amp; EXAMINATION/ASSESSMENT:</b>	GREEK		
<b>THE COURSE IS OFFERED TO ERASMUS STUDENTS</b>	YES		
<b>COURSE WEBSITE (URL)</b>			

### (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 aim of the course is to acquaint students with the problems that govern human use, abuse and conservation of the planet, in relation to the planning of risk management and environmental sciences.

#### **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?*

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

- Application of knowledge in practice
- Search for, analysis and synthesis of data and information by the use of appropriate technologies
- Individual/Independent work
- Group/Team work
- Environmental awareness
- Development of free, creative and inductive thinking

### (3) COURSE CONTENT

- Analysis of problems related to the use, abuse and preservation of the environment.
- Natural and technological disasters.
- Reducing risk and assessing vulnerability.
- Human and environmental interactions
- Disorders and pollution.
- Global change and sustainable development. Health and safety risks.
- Preservation of nature and renewable energy.
- Risk analysis systems.
- Emergency management and civil protection.

### (4) TEACHING METHODS-ASSESSMENT

<b>MODES OF DELIVERY</b> Face-to-face, in-class lecturing, distance teaching and distance learning etc.	In-class lecturing and practice	
<b>USE OF INFORMATION AND COMMUNICATION TECHNOLOGY</b> Use of ICT in teaching, Laboratory Education, Communication with students	<ul style="list-style-type: none"> <li>• Powerpoint presentations</li> <li>• Communication via e-mail</li> <li>• E-class platform</li> </ul>	
<b>COURSE DESIGN</b> Description of teaching techniques, practices and methods: Lectures, seminars, laboratory practice, fieldwork, study and analysis of bibliography, tutorials, Internship, Art Workshop, Interactive teaching, Educational	<b>Activity/Method</b>	<b>Semester workload</b>
	Lectures	40
	Laboratory Practice	10
	Essay writing	20
	Theory study	55
<b>Course total</b> <b>(25 hours of workload per</b>	<b>125</b>	

<p>visits, projects, Essay writing, Artistic creativity, etc.</p> <p>The study hours for each learning activity as well as the hours of self-directed study are given following the principles of the ECTS.</p>	<table border="1"> <tr> <td data-bbox="676 188 1015 226"><i>credit unit)</i></td> <td data-bbox="1015 188 1339 226"></td> </tr> </table>	<i>credit unit)</i>	
<i>credit unit)</i>			
<p><b>STUDENT PERFORMANCE EVALUATION/ASSESSMENT METHODS</b> Detailed description of the evaluation procedures:</p> <p>Language of evaluation, assessment methods, formative or summative (conclusive), multiple choice tests, short- answer questions, open-ended questions, problem solving, written work, essay/report, oral exam, presentation, laboratory work, other.....etc.</p> <p>Specifically, defined evaluation criteria are stated, as well as if and where they are accessible by the students.</p>	<p><b><u>Evaluation can be done in either Greek or English language.</u></b> <b><u>The final grade is the outcome of the following evaluations:</u></b></p> <ul style="list-style-type: none"> <li>• Written examinations</li> <li>• Intermediate examination (optional) = 40%</li> <li>• Final examination = 60% or 100% if there is no intermediate examination grade</li> <li>• Instead of intermediate examination, the student can choose a written work.</li> </ul>		

**(5) SUGGESTED BIBLIOGRAPHY:**

<p><b><u>-Suggested bibliography</u></b></p> <ul style="list-style-type: none"> <li>• Sapoutzaki K. 2009. <i>Tomorrow in Danger: Natural and Technological Disasters in Europe and Greece</i>. Gutenberg Publications, Athens. ISBN 978-960-01-1183-5. 396 pages.</li> <li>• Karvounis, S., and D. Georgakellos. 2003. <i>Environmental Management: Business &amp; Sustainable Development</i>. Ath. Stamoulis Publications, Athens.</li> </ul> <p><b><u>-Complementary bibliography</u></b> Professor's notes: Material of theory lectures and laboratory exercises, which are available through the asynchronous training platform.</p>
---