

# X61 ENVIRONMENTAL ECONOMICS

## COURSE OUTLINE

### 1. ΓΕΝΙΚΑ

<b>SCHOOL</b>	ECONOMIC SCIENCES		
<b>DEPARTMENT</b>	ECONOMICS AND SUSTAINABLE DEVELOPMENT		
<b>LEVEL OF STUDY</b>	undergraduate		
<b>COURSE UNIT CODE</b>	X61	<b>Semester of study</b>	6
<b>COURSE TITLE</b>	Environmental Economics		
<b>COURSEWORK BREAKDOWN</b>	<b>TEACHING WEEKLY HOURS</b>	<b>ECTS Credits</b>	
Lectures	3	7.5	
<b>COURSE UNIT TYPE</b> <i>Υποβάθρου , Γενικών Γνώσεων, Επιστημονικής Περιοχής, Ανάπτυξης Δεξιοτήτων</i>	Scientific area (elective)		
<b>PREREQUISITES :</b>			
<b>LANGUAGE OF INSTRUCTION/EXAMS:</b>	English		
<b>COURSE DELIVERED TO ERASMUS STUDENTS</b>	YES in English		
<b>MODULE WEB PAGE (URL)</b>			

### 2. LEARNING OUTCOMES

<b>Learning Outcomes</b>
<p>The aim of the course is to understand the economic importance of the problem of environmental degradation and destruction. To this end, the impacts of the behavior of economic entities on the environment are being investigated while charting and investigating the economic ways of reducing pollution and protecting the environment based on the classic microeconomic framework.</p> <p>Upon successful completion of the course the student will be able to:</p> <ul style="list-style-type: none"><li>• Recognizes the economic dimension of environmental problems.</li><li>• Distinguishes the main types of pollution and their impact on the economic environment</li><li>• Explores the importance of negative external economies and their impact on economic growth.</li><li>• Proposes financial solutions to reduce environmental problems.</li><li>• Explains that solutions to environmental problems are not unique, but depend on the nature of the problems and the phase of the economic cycle in which the economy is located.</li></ul> <p>Assesses economic environmental policies and their contribution to sustainable development</p>
<b>General Skills</b>
<ul style="list-style-type: none"><li>• Independent Work</li><li>• Working class presentation</li><li>• Understanding and deepening strategies</li></ul>

### 3. COURSE CONTENTS

Part 1: Introduction to the Economics of Natural Resources and the Environment, Part 2: Market Failure and External Economies, Part 3: Economic Theory for Environmental Management and Protection Part 4: Introduction to the concept of Sustainable Development.
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#### 4. TEACHING METHODS - ASSESSMENT

<b>MODE OF DELIVERY</b>	<ul style="list-style-type: none"> <li>- Lectures on contemporary issues related to the subject of environmental economics.</li> <li>- Case studies dealing with typical examples drawn from the Greek and international real economy.</li> <li>- Lectures by business executives or public organizations.</li> </ul>												
<b>USE OF INFORMATION AND COMMUNICATION TECHNOLOGY</b>	Dynamic powerpoint slides Learning process support through the e-class platform Contact via email												
<b>TEACHING METHODS</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #d9d9d9;"><i>Method description</i></th> <th style="background-color: #d9d9d9;"><i>Semester Workload</i></th> </tr> </thead> <tbody> <tr> <td>Lectures</td> <td style="text-align: center;">39</td> </tr> <tr> <td>Assignments Focused on Applying Methodologies and Analyzing Case Studies in Small Student Groups</td> <td style="text-align: center;">20</td> </tr> <tr> <td>Essay presentation</td> <td style="text-align: center;">32</td> </tr> <tr> <td>Independent Study</td> <td style="text-align: center;">97,5</td> </tr> <tr> <td><b><i>Course total (25 hours of work load per credit)</i></b></td> <td style="text-align: center;"><b>187,5</b></td> </tr> </tbody> </table>	<i>Method description</i>	<i>Semester Workload</i>	Lectures	39	Assignments Focused on Applying Methodologies and Analyzing Case Studies in Small Student Groups	20	Essay presentation	32	Independent Study	97,5	<b><i>Course total (25 hours of work load per credit)</i></b>	<b>187,5</b>
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<b>ASSESSMENT METHODS</b>	I. Final examination (60%): <ul style="list-style-type: none"> <li>- multiple choice questions</li> <li>- theory evaluation</li> </ul> II. Essay evaluation (40%)												

#### 5. RESOURCES

<b>Books</b>
<ol style="list-style-type: none"> <li>1. T. Tietenberg, L. Lewis (2018), Environmental and Natural Resource Economics, Routledge. ISBN 9781138632295</li> <li>2. J. M. Harris, B. Roach (2021), Environmental and Natural Resource Economics, A Contemporary Approach. ISBN 9780367531386</li> <li>3. S. J. Callan , J. M. Thomas (2012), Environmental Economics and Management: Theory, Policy, and Applications (Upper Level Economics Titles) 6th Edition, Cengage , ISBN-13: 978-1111826673- ISBN-10: 1111826676</li> <li>4. E. S. Goodstein, S. Polasky (2020), Economics and the Environment, 9th Edition, ISBN: 978-1-119-69350-5.</li> </ol>