

## COURSE LAYOUT

### 1. GENERAL

<b>SCHOOL</b>	SCHOOL OF ENVIRONMENT AND AGRICULTURAL ENGINEERING		
<b>DEPARTMENT</b>	NATURAL RESOURCES DEVELOPMENT AND AGRICULTURAL ENGINEERING		
<b>STUDY LEVEL</b>	<i>Post-graduate</i>		
<b>COURSE CODE</b>	<b>630013</b>	<b>SEMESTER</b>	B
<b>COURSE TITLE</b>	ENVIRONMENTAL AND NATURAL RESOURCES ECONOMICS		
<b>INDEPENDENT TEACHING ACTIVITIES</b>		<b>WEEKLY TEACHING HOURS</b>	<b>ECTS</b>
LECTURES and PRACTICAL EXERCISES		2	5
<b>COURSE TYPE</b>	Scientific area, Skill Development		
<b>PREREQUISITES</b>			
<b>LANGUAGE</b>	ENGLISH		
<b>IS THE COURSE OFFERED for ERASMUS STUDENTS?</b>	YES		
<b>COURSE WEB PAGE</b>			

### 2. LEARNING OUTCOMES

<b>Learning Outcomes</b>
<p>The aim of the course is to introduce students to the concept of market failure and to explore the role played by the State in the design and choice of environmental protection policies. A student having completed the classes will:</p> <ul style="list-style-type: none"> <li>- Understand what external economies mean and what optimal level of environmental protection is.</li> <li>- Understand how environmental protection measures are chosen and assess their relative effectiveness.</li> <li>- define the importance of the 'polluter pays' principle and understand its connection with the a regulatory policy choice.</li> <li>- Explain the concept of the "tragedy of the commons", and comment on successful examples of rational management of the commons.</li> <li>- Understand what it means by over-exploit natural resources (over-fishing, over-pumping, etc.).</li> <li>- Apply methodologies and techniques for the rational management of natural resources.</li> </ul>
<b>General Competenses</b>
<ul style="list-style-type: none"> <li>▪ - Decision-making</li> <li>▪ - Working in an interdisciplinary environment</li> <li>▪ - Autonomous work</li> </ul>

### 3. COURSE CONTENT

<ul style="list-style-type: none"> <li>i. Introduction to environmental economics.</li> <li>ii. Market failure and external economies. Economic theory for environmental management and protection.</li> <li>iv. Optimal level of environmental protection, definitions and problems.</li> </ul>
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- v. Environmental policy measures , criteria and selection.
- vi. Economics of Water Resources.
- vii. Economics of non-renewable natural resources

#### 4. TEACHING and LEARNING METHODS - Evaluation

<b>TEACHING METHOD</b>	Face to face classes.	
<b>USE OF INFORMATICS and COMMUNICATION TECHNOLOGIES</b>	Use of special software for presentations.	
<b>TEACHING ORGANISATION</b>	<i>Activity</i>	<i>Work Load</i>
	Lectures	24
	Essay	41
	Presentations	10
	Personal study	50
	<i>Course total (25 hours of student work load per ECTS)</i>	<i>125</i>
<b>STUDENTS EVALUATION</b>	<p>Course evaluation comprise the following</p> <ol style="list-style-type: none"> <li>1. Final exams on critical theoretical issues (50%)</li> <li>2. Essay (50%)</li> </ol>	

#### 5. BIBLIOGRAPHY

Textbook

McKittrick, R. (2011). Economic Analysis of Environmental Policy. Toronto: University of Toronto Press.

1) Environmental and Resource Economics

ISSN: 0924-6460 (print version), ISSN: 1573-1502 (electronic version)

2) Journal of Environmental Economics and Management

ISSN: 0095-0696

3) Environmental Economics and Policy Studies

ISSN: 1432-847X (print version) ISSN: 1867-383X (electronic version)