

## Syllabus

### Course description

<b>Course title</b>	INTRODUCTION TO ENVIRONMENTAL ECONOMICS
<b>Course code</b>	40178
<b>Scientific sector</b>	AGR/01
<b>Degree</b>	
<b>Semester</b>	1 <sup>st</sup>
<b>Year</b>	III
<b>Academic year</b>	2020/21
<b>Credits</b>	6
<b>Modular</b>	No

<b>Total lecturing hours</b>	36
<b>Total exercise hours</b>	24
<b>Attendance</b>	Recommended
<b>Prerequisites</b>	None
<b>Course page</b>	

<b>Specific educational objectives</b>	<p>The course INTRODUCTION TO ENVIRONMENTAL ECONOMICS is framed within the L-25 Degree Course in Agricultural and Agro-environmental Sciences among the disciplines that characterize the economic, juridical and estimative disciplinary fields.</p> <p>The course aims at providing the main tools for acquiring the environmental dimension in political, social and economic analysis. In this framework, the following specific disciplinary objectives are proposed to the students: (1) framing the environment in the economic disciplines and acquiring the main theoretical dimensions; (2) knowing the tools for identifying, assessing and minimizing threats and / or damage to the environment; (3) understanding the themes of natural resources (soil, air, water, finite and renewable energy sources) in a perspective of short and medium-long term analysis; (4) deepening the theme of energy resources (their localization and diffusion, control and use, valorization and consumption); (5) identifying the environmental positions, actions and programs of some of the main players in the European and world system; (6) acquiring an understanding of environmental sustainability project evaluation tools and environmental risk mitigation analysis tools.</p>
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<b>Learning outcomes</b>	<p>In order to complete the teaching path of Introduction to environmental economics, students will have to achieve the following learning outcomes:</p> <p>Disciplinary skills</p>
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	<p>a) <i>Knowledge and understanding</i>  Framework of the environment in economic disciplines, knowledge and understanding of the themes of natural resources in a perspective of economic, political and short and medium-long term development.</p> <p>b) <i>Applying knowledge and understanding</i>  Ability to identify the tools for assessing and minimizing threats and / or damage to the environment, in addition to actions and programs of intervention in the environmental field; ability to use tools for analyzing and assessing environmental sustainability and mitigating environmental risks.</p> <p>Transversal skills / soft skills</p> <p>c) <i>Making judgments</i>  Ability to apply a critical type of reasoning in the approach to solving problems and the thematic questions posed in the teaching activity.</p> <p>d) <i>Communication skills</i>  Ability to correctly use economic and technical-environmental language.</p> <p>e) <i>Learning skills</i>  Ability to evaluate the characteristics of the problems to be addressed, obtain a correct theoretical framework and evaluate their resolution through the methodologies acquired during the teaching activities.</p>
<p><b>Assessment</b></p>	<p>The final assessment consists of:</p> <ul style="list-style-type: none"> <li>• a 120' written test consisting of questions and exercises to verify the understanding of theoretical knowledge and the acquisition of methodologies;</li> <li>• a project, consisting of a thesis/processed application resulting from a group project to be presented and discussed in the modalities and within the terms agreed on with the teacher.</li> </ul>
<p><b>Assessment language</b>  <b>Evaluation criteria and criteria for awarding marks</b></p>	<p>Italian</p> <p>The final mark awarded is a single mark that derives from the arithmetic average of the thirty marks of the written test and the project, each of which account for 50%. There are no minimum thresholds for individual tests, but only for the final grade which, for the purpose of passing the exam, must be greater than 18.</p> <p>In relation to the written test, the clarity of the answer and the proper use of language (also in relation to the language of the course), the capacity for synthesis, the argumentative relevance and the relevance of the topics covered (DESCRIPTORS a), b), c) and e)) are all taken into account.</p> <p>In relation to the project work and its presentation and discussion, the capacity for collaboration, the creative</p>

	capacity and the critical originality, the capacity for re-elaboration (DESCRIPTORS b), c), d) and e) are evaluated.
<b>Required readings</b>	Slides and lesson materials
<b>Supplementary readings</b>	<p>Tietenberg, T. (2006). <i>Economia dell'ambiente</i>. Ultima edizione. McGraw-Hill Education, Milano, Italia.</p> <p>Aprile, M.C. e Chiarini, B. (2019). <i>Economia dell'ambiente. Sostenibilità, politiche e aspetti strategici</i>. 1<sup>^</sup> edizione. Mondadori Education, Milano, Italia.</p>