

FUC - Ficha de Unidade Curricular

Curricular Unit's File

Code	01109
Name (PT)	Economia do Ambiente e dos Recursos Naturais
Name (EN)	Environmental and Natural Resource Economics
Regime	Semestral
Level	1.º Ciclo
Teaching language	Inglês
School	Escola de Gestão (EG)
Department	DE
Scientific area	Economia (Econ)
Responsible academic staff	Mónica Alexandra Vilar Ribeiro de Meireles
Pre-requisites	At least one previous course in Microeconomics is highly recommended.
Objectives	This unit is focused on the many facets of the interaction between environmental quality and economic agents. It is important to study corrective mechanisms that improve well-being and contribute to sustainability. The goal is for students to frame environmental problems in an economic perspective, so as to allow a more complete and rigorous analysis of such problems.
Learning outcomes	By the end of the semester, the student should: 1 - Know and understand relevant modelling techniques, both for pollution decisions and for natural resource management 2 - Be able to draw upon diverse references in the analysis of actual environmental problems in a rigorous manner 3 - Analyze environmental policy goals and outcomes
Syllabus	1. Introduction 2. Fundamentals of Environmental Economics a. The efficient level of pollution b. Decision support techniques c. Valuation methods for environmental damages 3. Environmental instruments and policies a. Institutional approaches b. Command and control instruments c. Economic incentives: taxes, subsidies, tradable permits d. International environmental problems 4. Natural Resource Economics a. Concepts of Sustainability a. Optimal non-renewable resource management b. Optimal renewable resource management
Assessment	There are two evaluation methodologies: a) Continuous assessment: - minimum of 80% attendance - a group report on an environmental policy topic (50%) - written exam at the end of the term (50%), whose mark cannot be below 8v. in order to get a positive grade. b) Final exam: (100%)
Teaching methodology	Each student should acquire analytical, information gathering, written and oral communication skills, according to the established learning goals. The following learning methodologies (LM) will be used: 1. Expository, for presentation of the theoretical reference frames 2. Participative, with analysis and exercises resolution 3. Active, with the realization of individual and group works 4. Self-study, related with autonomous work by the student.

Demonstration of the syllabus coherence with the curricular unit's objectives	<p>This "demonstration of consistency" stems from the interconnection of the syllabus (S) with learning goals (LG) and is explained as follows:</p> <p>LG1 - S2, S3, S4 LG2 - S1, S2, S3, S4 LG3 - S3</p>
Demonstration of the coherence between the teaching methodologies and the learning outcomes	<p>The learning-teaching methodologies are aimed at the development of the students' main learning competences that allow to fulfill each of the learning goals. Therefore, the main interlinks between the learning-teaching methodologies (LTM) and the respective goals (LG) are presented as follows:</p> <p>LTM1: LG1 LTM2: LG1 e LG3 LTM3: LG2 e LG3 LTM4: All</p>
Main Bibliography	<p>Espera-se que os estudantes participem ativamente durante o semestre. Isto significa estudar previamente às aulas, resolver os exercícios e submeter-se ao regime de avaliação da disciplina.</p>
Complementary Bibliography	<p>Students are expected to participate actively throughout the semester. This means studying before classes, solving the problem sets, and complying with the course evaluation.</p>