

## SUBJECT TEACHING GUIDE

M2152 - Environmental and Sustainability Economics

Master's Degree in civil Engineering, Canal and Port Engineering

Academic year 2022-2023

1. IDENTIFYING DATA					
Degree	Master's Degree in civil Engineering, Canal and Port Engineering			Type and Year	Optional. Year 1
Faculty	School of civil Engineering				
Discipline	CROSS CURRICULAR EDUCATION				
Course unit title and code	M2152 - Environmental and Sustainability Economics				
Number of ECTS credits allocated	3	Term	Semester based (2)		
Web					
Language of instruction	Spanish	English Friendly	Yes	Mode of delivery	Face-to-face

Department	DPTO. ADMINISTRACION DE EMPRESAS				
Name of lecturer	SAUL TORRES ORTEGA				
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Office	E.T.S. de Ingenieros de Caminos, Canales y Puertos. Planta: + 1. DESPACHO (1035)				
Other lecturers					

### 3.1 LEARNING OUTCOMES

- Once the subject is passed, the student will have basic knowledge to:
  - a) to carry out evaluations of the services provided by the environment,
  - (b) understand the functioning of environmental policies and their objectives
  - (c) propose strategies for the proper management of natural resources.

#### 4. OBJECTIVES

The objectives of the course are to provide the student with an introductory training to environmental economics and its multiple fields of study and application.

Thus, the student will acquire knowledge about the concept of ecosystem services, and how to put them into value; about the development of environmental policies that allow the control of industrial pollution; and about how to achieve an optimal management of natural resources.

#### 6. COURSE ORGANIZATION

CONTENTS	
1	INTRODUCTION TO ENVIRONMENTAL ECONOMICS What is it? What is it for? Why is it necessary?
2	THE VALUATION OF THE ENVIRONMENT 1.- The environment and ecosystem services 2.- Methodologies and tools for environmental assessment
3	ENVIRONMENTAL POLICY MANAGEMENT 1.- The optimal functioning in environmental economy 2.- Instruments for environmental management
4	THE MANAGEMENT OF NATURAL RESOURCES 1.- Economics of natural resources 2.- Types of resources and optimal exploitation
5	FINAL WORKSHOP

## 7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Case Studies	Work	No	Yes	75,00
Final Presentation	Work	Yes	Yes	25,00
TOTAL				100,00
<b>Observations</b>				
<p>In the event that the minimum score required is not exceeded in any of the parts, the final score will be the minimum of 4.9 and the average obtained by weighing all the evaluation activities. The grades of the approved parts will be kept until the extraordinary call.</p> <p>During the recuperation period (set by the university in September) students will only take those evaluation tests that have been suspended. No results will be saved for subsequent courses.</p> <p>According to the royal decree RD 1125/2003 on the European system of credits and the system of grades in official university qualifications and valid throughout the national territory, the results obtained by the student in each of the subjects of the curriculum will be graded according to the following numerical scale from 0 to 10, with the expression of one decimal place, to which the corresponding qualitative grade may be added: 0.0-4.9: Fail (SS). 5.0-6.9: Pass (AP). 7.0-8.9: Notable (NT). 9.0-10: Outstanding (SB)</p> <p>In view of the uncertain situation that the social distancing measures established by the health authorities do not allow any evaluation activity to be carried out in the classroom for all the students enrolled, these can be adapted for development in a virtual way, mainly by using the MOODLE platform. If necessary, all the necessary precautions and actions will be taken to ensure the correct development of these activities.</p>				
<b>Observations for part-time students</b>				
The same assessment criteria will be applied to part-time students as to full-time students. The distribution of activities over time will be adapted to the particular conditions of each student when deemed necessary.				

## 8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC
<p>Azqueta Oyarzun, D. Introducción a la economía ambiental. McGraw-Hill (2007). <a href="http://catalogo.unican.es/cgi-bin/abnetopac/?TITN=268711">http://catalogo.unican.es/cgi-bin/abnetopac/?TITN=268711</a></p>
<p>Labandeira Villot, X. Economía ambiental. Pearson Educación (2007) <a href="http://catalogo.unican.es/cgi-bin/abnetopac/?TITN=257879">http://catalogo.unican.es/cgi-bin/abnetopac/?TITN=257879</a></p>
<p>Field, Barry C. Economía del medio ambiente. McGraw-Hill (2003) <a href="http://catalogo.unican.es/cgi-bin/abnetopac/?TITN=206929">http://catalogo.unican.es/cgi-bin/abnetopac/?TITN=206929</a></p>
<p>Materiales propios de la asignatura.</p>

