

## SUBJECT TEACHING GUIDE

### 562 - Environmental Economics

#### Master's degree in integrated management of water systems

Academic year 2023-2024

1. IDENTIFYING DATA					
Degree	Master's degree in integrated management of water systems			Type and Year	Compulsory. Year 1
Faculty	School of civil Engineering				
Discipline					
Course unit title and code	562 - Environmental Economics				
Number of ECTS credits allocated	3	Term	Semester based (1)		
Web					
Language of instruction	Spanish	English Friendly	Yes	Mode of delivery	Face-to-face

Department	DPTO. CIENCIAS Y TECNICAS DEL AGUA Y DEL MEDIO AMBIENTE				
Name of lecturer	PEDRO DIAZ SIMAL				
E-mail	pedro.diaz@unican.es				
Office	Edificio IH Cantabria. Planta: + 2. DESPACHO (228)				
Other lecturers					

3.1 LEARNING OUTCOMES
- Formulate economic models applied to environmental problems
- Become familiar with economics assessment instruments applied to environmental problems
- Assess efficiency and sustainability of natural resources use
- Develop analysis on efficiency and equity of environmental policy instruments

4. OBJECTIVES
The aim of the course is to introduce the student to the economic approach to environmental problems, formulating technical problems in light of the demands of optimality of the economy

6. COURSE ORGANIZATION	
CONTENTS	
1	Analytical foundations of the environmental economy
2	Economic approach to the environment: Efficiency, equity and sustainability
3	Environmental Valuation Methods
4	Environmental policy instruments
5	Economics of natural resources, applications to water, energy ..

7. ASSESSMENT METHODS AND CRITERIA				
Description	Type	Final Eval.	Reassessn	%
Final test on contents	Written exam	No	Yes	50,00
Class exercises	Work	No	No	25,00
Works during the course	Work	No	Yes	25,00
TOTAL				100,00
Observations				
<p>In relation to the agreements adopted in the ordinary session of the School Board held on June 10, 2010, it is established that, with respect to evaluation activities that have the character of recoverable,</p> <p>- As a general criterion and unless otherwise specified in this guide, a student may only apply for the recovery of those activities that he has not passed, that is, in which he has not obtained a minimum grade of five out of ten.</p> <p>- As a general criterion and unless otherwise specified in this guide, in the recovery period the evaluation procedure of an activity will be the same as that of the activity that originates it.</p> <p>Note: according to Royal Decree 1125/2003 on the European system of credits and the system of qualifications in university degrees of an official nature and valid throughout the national territory, the results obtained by the student in each of the subjects of the plan of Studies will be graded according to the following numerical scale from 0 to 10, with the expression of a decimal, to which the corresponding qualitative qualification can be added:</p> <p>0.0 - 4.9: Suspense (SS). 5.0-6.9: Approved (AP). 7.0-8.9; Notable (NT). 9.0-10: Outstanding (SB)</p> <p>Only for duly justified reasons (e.g. health restrictions) may assessment tests be organised at a distance, with the prior authorisation of the Centre's management</p>				
Observations for part-time students				
In accordance with the recommendations of the university, an adaptation of the program and teaching activities will be carried out to guarantee the expected results with a limited dedication.				

8. BIBLIOGRAPHY AND TEACHING MATERIALS
BASIC
Economia ambiental, Barry Field, Mcgraw Hill 3 ed 2003
Environmental & Natural Resources Economics, Tietenberg & Lewis 10/e, 2014

