



Academic year	2012-13
Subject	10584 - Environmental Economics
Group	Group 1, 2S
Teaching guide	B
Language	English

## Subject identification

<b>Subject</b>	10584 - Environmental Economics
<b>Credits</b>	0.9 in-class (22.5 hours) 2.1 distance (52.5 hours) 3 totals (75 hours).
<b>Group</b>	Group 1, 2S(Campus Extens)
<b>Teaching period</b>	2nd semester
<b>Teaching language</b>	English

## Lecturers

Lecturers	Timetable for student attention					
	Starting time	Finishing time	Day	Start date	Finish date	Office
Àngel Bujosa Bestard <a href="mailto:angel.bujosa@uib.es">angel.bujosa@uib.es</a>	11:00h	12:00h	Thursday	24/09/2012	22/09/2013	DB256 (demander cita prèvia per e-mail)
Antoni Riera Font <a href="mailto:antoni.riera@uib.es">antoni.riera@uib.es</a>	09:00h	10:00h	Wednesday	24/09/2012	23/09/2013	DB231

## Degrees where the subject is taught

Degree	Character	Academic year	Studies
Master's Degree in Tourism and Environmental Economics	Optional		Postgraduate degree
	Optional		Postgraduate degree

## Contextualisation

This course will present the basic concepts of economic analysis and how they are used to analyze environmental problems. Topics include the analysis of the causes of market failure in assigning value to the environment, the understanding of the reasons why economic valuation of the environment is necessary, the study of the concept of total economic value and checking the concepts of willingness to pay and willingness to accept to briefly describe the main valuation techniques and present an overview of the policy instruments that can be used to internalise the environmental externalities.

## Requirements

### Essential requirements

There are no essential requirements to study the subject.





## Recommendable

It would be better for the student to have passed the subjects Mathematics and Statistics focus to Economics and Advanced Theory Economic, both included in Module A entitled Quantitative methods and fundamentals of analysis for the economy of tourism and the environment.

## Skills

### Specific

1. To relate environmental economics with welfare economy theory (Número 44).
2. To know the tools, arguments and consequences of the environmental policies application (Número 45).
3. To know the market deviation related to the environment (Número 55).

### Generic

1. To be familiar with scientific texts (Número 4).
2. To develop a synthetic and a knowledge integration capacity (Número 5).
3. To convert an empirical problem in a research object and to formulate conclusions (Número 8).

## Content

### Theme content

#### Unit 0. Introduction

- 0.1 Welcome!
- 0.2 We have a problem! Which is affecting all of us!
- 0.3 What are economists saying?
- 0.4 We have a lot of work ahead!

#### Unit 1. Natural Resources and Environmental Economics

- 1.1 Economics and Ecology: A bad marriage
- 1.2 Environmental Economics versus Ecological Economics

#### Unit 2. The object of study

- 2.1 Definition and typology of resources
- 2.2 Functions of the environment
- 2.3 The problem: the absence of price?
- 2.4 The imperfect behaviour of the markets

#### Unit 3. Problems in environmental and natural resource management

- 3.1 Discounting the future
- 3.2 Uncertainty
- 3.3 Irreversibility

#### Unit 4. Economy, environment and society

- 4.1 The contribution of Economics
- 4.2 An example to see it clearer





4.3 Basic welfare theory

Unit 5. Environmental valuation

5.1 Introduction

5.2 Why to value?

5.3 Total Economic Value of the Environment

5.4 Principal Environmental Valuation Techniques

Unit 6. Environmental policy

6.1 Pollution as externality

6.2 Pollution control policies

## Teaching methodology

### In-class work activities

Modality	Name	Typ.Gr.	Description
Theory classes	Theoretical classes	Large group (G)	Master classes
Seminars and workshops	Seminar	Medium group (M)	Some theoretical issues will be applied to a case study related to environmental problems
ECTS tutorials	ECTS Tutorials	Small group (P)	Personalized monitoring student learning
Assessment	Final essay	Large group (G)	Students will be required to present an essay focusing on one environmental problem and think about the contributions of that Environmental Economics can make to save or reduce this problem in the context of welfare Economics.

### Distance education work activities

Modality	Name	Description
Individual self-study	Final essay	It consists of writing an essay focusing on one environmental problem that serves as a basis to use the economic concepts of market failure to understand this problem.
Group self-study	Studying	It consists of the preparation of the subject involving the study of the theoretical issues, analyses of case studies and readings of complementary bibliography.



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## Riscs específics i mesures de protecció

Les activitats d'aprenentatge d'aquesta assignatura no comporten riscos específics per a la seguretat i salut de l'alumnat i, per tant, no cal adoptar mesures de protecció especials.

## Workload estimate

Modality	Name	Hours	ECTS	%
<b>In-class work activities</b>		<b>22.5</b>	<b>0.9</b>	<b>30</b>
Theory classes	Theoretical classes	14	0.56	18.67
Seminars and workshops	Seminar	4	0.16	5.33
ECTS tutorials	ECTS Tutorials	2.5	0.1	3.33
Assessment	Final essay	2	0.08	2.67
<b>Distance education work activities</b>		<b>52.5</b>	<b>2.1</b>	<b>70</b>
Individual self-study	Final essay	30	1.2	40
Group self-study	Studying	22.5	0.9	30
<b>Total</b>		<b>75</b>	<b>3</b>	<b>100</b>

At the beginning of the semester a schedule of the subject will be made available to students through the UIBdigital platform. The schedule shall at least include the dates when the continuing assessment tests will be conducted and the hand-in dates for the assignments. In addition, the lecturer shall inform students as to whether the subject work plan will be carried out through the schedule or through another way included in the Campus Extens platform.

## Student learning assessment

### Theoretical classes

Modality	Theory classes
Technique	Observation techniques ( <b>Non-recoverable</b> )
Description	Master classes
Assessment criteria	Class attendance and participation

Percentage of final qualification: 10% following path A





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### Seminar

Modality	Seminars and workshops
Technique	Observation techniques ( <b>Non-recoverable</b> )
Description	Some theoretical issues will be applied to a case study related to environmental problems
Assessment criteria	Class attendance and participation

Percentage of final qualification: 10% following path A

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### Final essay

Modality	Assessment
Technique	Papers and projects ( <b>Non-recoverable</b> )
Description	Students will be required to present an essay focusing on one environmental problem and think about the contributions of that Environmental Economics can make to save or reduce this problem in the context of welfare Economics.
Assessment criteria	By presenting an assessment linked to the explained theoretical issues are made.

Percentage of final qualification: 70% following path A

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### Studying

Modality	Group self-study
Technique	Other methods ( <b>Non-recoverable</b> )
Description	It consists of the preparation of the subject involving the study of the theoretical issues, analyses of case studies and readings of complementary bibliography.
Assessment criteria	By presenting the solution of several exercises.

Percentage of final qualification: 10% following path A

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## Resources, bibliography and additional documentation

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### Basic bibliography

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### Complementary bibliography

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### Other resources

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