

## 25204 - Applied economics

### Información del Plan Docente

Academic Year	2017/18
Faculty / School	201 - Escuela Politécnica Superior
Degree	277 - Degree in Environmental Sciences 571 - Degree in Environmental Sciences
ECTS	6.0
Year	1
Semester	Four-month period
Subject Type	Basic Education
Module	---

### **1.General information**

#### **1.1.Introduction**

#### **1.2.Recommendations to take this course**

#### **1.3.Context and importance of this course in the degree**

#### **1.4.Activities and key dates**

### **2.Learning goals**

#### **2.1.Learning goals**

#### **2.2.Importance of learning goals**

### **3.Aims of the course and competences**

#### **3.1.Aims of the course**

#### **3.2.Competences**

### **4.Assessment (1st and 2nd call)**

#### **4.1.Assessment tasks (description of tasks, marking system and assessment criteria)**

### **5.Methodology, learning tasks, syllabus and resources**

#### **5.1.Methodological overview**

The learning process that has been designed for this course is based on the following activities:

In the process of learning, different teaching methods will be used: expository didactic techniques for the theoretical

## 25204 - Applied economics

classes and more participatory techniques will also be used. This second type of activities allows student involvement in the learning process and allows the teacher to realise the problems and concerns that may arise in the various topics.

In addition to the scheduled classes, the student must make an effort to study and be familiar with the basic content of the course.

### 5.2.Learning tasks

**The programme offered to the students to help them achieve the learning results includes the following activities:**

1: Theoretical Classes: these will consist of lectures, in which the fundamental concepts of the topics of the programme will be explained by the teacher.

2: Practical Classes: two kind of activities will be used:

- Activities to learn theoretical concepts but with the active participation of the students, because they will apply already acquired knowledge to the understanding of new concepts.
- Resolution of practical exercises.

3: Tutorials: they allow a more direct and personal support to students in order to answer questions about the contents of the subject and guide them in their studies and in the resolution of exercises. These tutorials may be individual or in a group.

### 5.3.Syllabus

#### Theory Program

#### **PART I. BASIC ECONOMICS**

Lesson 1. What is Economics?

Lesson 2. How markets work. The market. Supply and Demand

Lesson 3. Market structure: Perfect and imperfect competition

#### **PART II. ENVIRONMENTAL ECONOMICS**

Lesson 4. Government failure. Externalities, public goods and y natural resources

## 25204 - Applied economics

Lesson 5. Economic growth and environment. Sustainable development

Lesson 6. Environmental Valuation I. Revealed preference and declared preferences environmental

Lesson 7. Environmental Valuation II. Cost Benefit analysis (CBA)

Lesson 8. Environmental policies. Efficiency and equity.

Lesson 9. National accounting and environmental accounting

### Practice Program

Each theory lesson has associated a practice dossier that include problems, documents and short texts for analysis and other issues of all content developed in the corresponding lessons

### 5.4.Course planning and calendar

Activities / week	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Total	
Classroom activities																						62
<b>Theoretical classes</b>	2	2	2	2	2	2			2	2	2	2	2	2	2	2						<b>30</b>
<b>Practical classes</b>	2	2	2	2	2	2	2		2	2	2	2	2	2								<b>26</b>
<b>Group work</b>															2	2						<b>4</b>
<b>Exams</b>																			2			<b>2</b>
Non-classroom activities																						88
<b>Individual work</b>	4	4	4	5	5	6	6		4	4	4	4	4	4	4	6	8	6				<b>86</b>
<b>Group</b>																2						<b>2</b>

work

TOTAL6 8 8 8 9 9 10 8 0 8 8 8 8 8 8 12 8 8 150

### 5.5. Bibliography and recommended resources

- BB** Azqueta Oyarzun, Diego. Introducción a la economía ambiental / Diego Azqueta Oyarzun . 2ª ed. @editorMadrid [etc.] : McGraw-Hill, D.L. 2007
- BB** Krugman, Paul R. Fundamentos de Economía / Paul Krugman, Robin Wells, Kathryn Graddy ; traducción, Alejandro Estruch Manjón ; [versión española traducida por Jimena García-Pardo y Alonso de Ojeda] . 3ª ed. Barcelona [etc.] : Reverté, D.L. 2014
- BB** Manual de economía ambiental y de los recursos naturales / Pere Riera ... [et al.] . 3a. ed. Madrid : Paraninfo, D.L. 2016
- BC** Cueva Martín, Alejandro de la. Fuentes de información en medio ambiente / Alejandro de la Cueva Martín, Francisca Ginés Huertas Valencia : Patronat Sud-Nord. Solidaritat i Cultura- F.G.U.V. : Publicacions de la Universitat de València, 2010
- BC** Fernández-Bolaños Valentín, Antonio. Economía y política medioambiental : situación actual y perspectivas en la Unión Europea / Antonio Fernández- Bolaños Valentín . Madrid : Piramide, 2002
- BC** Fernández-Bolaños Valentín, Antonio. Economía y política medioambiental : situación actual y perspectivas en la Unión Europea / Antonio Fernández- Bolaños Valentín . Madrid : Piramide, 2002
- BC** Field, Barry C.. Economía ambiental / Barry C. Field, Marta K. Field ; traducción Gloria Trinidad Deocón . 3ª ed. Madrid [etc.] : McGraw-Hill, cop. 2003
- BC** Labandeira, Xavier. Economía ambiental / Xavier Labandeira, Carmelo J. León, María Xosé Vázquez . [1ª ed.] Madrid [etc.] : Pearson, D. L. 2006
- BC** Mankiw, N. Gregory. Principios de economía / N. Gregory Mankiw ; traducción, Esther Rabasco ; revisión técnica, Gloria Moreno . 6ª ed. Madrid : Paraninfo, D.L. 2012
- BC** Manual de gestión del medio ambiente / Manuel A. Soler Manuel (coordinador) . 1a. ed. Barcelona : Ariel, 1997
- BC** Pearce, David W. (David William). Economía de los recursos naturales y del

## **25204 - Applied economics**

medio ambiente / David W. Pearce and R.  
Kerry Turner ; traductores, Carlos Abad  
Balboa, Pablo Campos Palacín . - [1a. ed.]  
Madrid : Celeste : Colegio de  
Economistas, D. L. 1995

The updated recommended bibliography can be consulted in:  
<http://psfunizar7.unizar.es/br13/egAsignaturas.php?id=10967>