

25204 - Applied economics

Información del Plan Docente

Academic Year	2018/19
Subject	25204 - Applied economics
Faculty / School	201 - Escuela Politécnica Superior
Degree	277 - Degree in Environmental Sciences 571 - Degree in Environmental Sciences
ECTS	6.0
Year	2
Semester	Four-month period
Subject Type	Basic Education

Module

1.General information

1.1.Aims of the course

1.2.Context and importance of this course in the degree

1.3.Recommendations to take this course

2.Learning goals

2.1.Competences

2.2.Learning goals

2.3.Importance of learning goals

3.Assessment (1st and 2nd call)

3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

The methodology followed in this course is oriented towards the achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as lectures, practice sessions and autonomous work and study.

4.2.Learning tasks

This course is organized as follows:

- **Lectures.** The fundamental concepts of the topics of the syllabus will be explained by the teacher.

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- **Practice sessions.** Two kind of activities will be used:
 - o Activities to learn theoretical concepts but with the active participation of the students, because they will apply already acquired knowledge in order to understand new concepts.
 - o Resolution of practical exercises.
- **Tutorials** will allow a more direct and personal support to students in order to answer questions about the contents of the course and guide them in their studies and in the resolution of exercises. These tutorials may be individual or in a group.

4.3.Syllabus

This course will address the following topics:

Lectures

Section I. Basic Economics

- Topic 1. What is Economics?
- Topic 2. How markets work. The market. Supply and Demand
- Topic 3. Market structure: Perfect and imperfect competition

Section II. Environmental Economics

- Topic 4. Government failure. Externalities, public goods and natural resources
- Topic 5. Economic growth and environment. Sustainable development
- Topic 6. Environmental Valuation. Revealed preference and declared preferences environmental
- Topic 7. Cost Benefit analysis (CBA) and Cost Efficiency analysis (ACE)
- Topic 8. Environmental policies. Efficiency and equity.
- Topic 9. National accounting and environmental accounting

Practice sessions

Each theory topic has a practical dossier associated which include problems, documents and short texts for analysis and other issues.

4.4.Course planning and calendar

Activities / week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Classroom activities															
Lectures	2	2	2	2	2	2	2	2	2			2	2	2	2
Practice sessions	2	2	2	2	2	2	2	2				2	2	2	2

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Group work										2						
Exams									2							
Non-classroom activities																
Autonomous work	4	4	4	4	4	4	4	4	4	4	5	4	4	4	4	4
Group work																
TOTAL	8	8	8	8	8	8	8	8	8	8	5	8	8	8	8	8

4.5. 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** Labandeira, Xavier. Economía ambiental / Xavier Labandeira, Carmelo J. León, María Xosé Vázquez . [1ª ed.] Madrid [etc.] : Pearson, D. L. 2006
- 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

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BC

Valentín . Madrid : Piramide, 2002
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

The updated recommended bibliography can be consulted in:

<http://psfunizar7.unizar.es/br13/egAsignaturas.php?id=10967>