

**Información del Plan Docente**

<b>Academic Year</b>	2017/18
<b>Faculty / School</b>	109 - Facultad de Economía y Empresa
<b>Degree</b>	448 - Degree in Business Administration and Management
<b>ECTS</b>	5.0
<b>Year</b>	4
<b>Semester</b>	Half-yearly
<b>Subject Type</b>	Optional
<b>Module</b>	---

**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 is based on the use of different teaching methods. The development of the theoretical classes will be done mainly using lecturer's explanations, although the student's autonomous work will be also used following the recommendations of the teacher. The practical classes will use methods that favor the involvement and participation of students in the teaching-learning process. In any case, we will try to encourage interaction both between teacher and student and among students themselves.

For the coordination of the course will be used the ADD resource, where the virtual course "ENVIRONMENTAL

## 27353 - Environmental Management

MANAGEMENT" will be created. Through this tool basic working materials and information will be provided. Activities and key dates in the development of the course and contact details and hours of tutoring from teachers will be also provided

### 5.2.Learning tasks

The learning activities of the course are distributed from the following way:

- Theoretical classes - 25 hours. The lessons will be used to present the theoretical contents.
- Practical classes - 25 hours. They allow putting in practice the knowledge acquired in the theoretical classes and put demonstrated the ability to work in groups and the skills of search for information and interpersonal communication. The development of practical classes will be based both on use of the method of the case as in the resolution of assumptions practical. However, other forms may also be used teachers as the search for information for further analysis and the discussion of lectures in class. For the development of classes practices may be made use of a computer classroom, which facilitates the availability of the appropriate means for the search and treatment of information in class. The work done in groups should be presented in class by students in May.
- Problem-based learning / Laboratory (tool ICT) / Seminars / Tutoring / Student's personal work - 75 hours. Individual or small group tutoring in the teacher's office, seek to offer more personalized support to the students for the resolution of doubts about the theory or practice of the course, or to guide them in the study.

### 5.3.Syllabus

**Unit 1:** Economic Consideration of environmental degradation

- 1.1.- Relationship between economy and environment
- 1.2.- Environmental problems arising in economic activity
- 1.3.- Environmental economics concept
- 1.4.- The social costs and private costs: the concept of externality
- 1.5.- The problem of allocation of natural resources:

**Unit 2:** Methods for appraising environmental quality

- 2.1.- The value of natural resources
- 2.2.- Indirect methods for environmental valuation
- 2.3.- Direct methods for environmental valuation

**Unit 3:** Economic instruments for environmental protection

- 3.1.- Coasian and Pigouvian Solutions
- 3.2.- Pigouvian Solutions: taxes and subsidies
- 3.3.- Pigouvian Solutions: prohibitions
- 3.4.- Coasian Solutions: markets

**Unit 4:** Environmental policy in Spain

- 4.1.- Introduction: From Command-and-Control to Market-Based instruments
- 4.2.- Integrated Pollution Prevention and Control Law (IPPC)
- 4.3.- Environmental taxes in Spain
- 4.4.- The European Pollutant Release Transfer Register (PRTR)
- 4.5.- The Market Mechanism Emissions
- 4.6.- The Integrated Management Systems: The Case of Packaging Waste Management

**Unit 5:** Environmental management systems in the company

- 5.1.- Definition of environmental management system
- 5.2.- Implementation of an environmental management system
- 5.3.- Certification of environmental management system
- 5.4.- Tools for environmental management

**Unit 6:** Determinants and consequences of environmental proactivity in the company

6.1.- Strategic Environmental Behavior

6.2.- Determinants of environmental proactivity

6.3.- Economic consequences of environmental proactivity

#### **5.4.Course planning and calendar**

The calendar of theoretical and practical sessions of the subject will be made public on the web of the center, the dates of delivery of papers, evaluations and other activities will be communicated by the lecturer of the subject through the appropriate means. The University of Zaragoza, bulletin board of the Center, the website of the Faculty, service of reprography ...)

#### **5.5.Bibliography and recommended resources**

[BB: Bibliografía básica / BC: Bibliografía complementaria]

- Zaragoza:
- [BB] Azqueta Oyarzun, Diego. Introducción a la economía ambiental / Diego Azqueta Oyarzun 2ª ed. @editorMadrid [etc.] : McGraw-Hill, D.L. 2007
- [BB] Claver Cortés, Enrique. Gestión de la calidad y gestión medioambiental : fundamentos, herramientas, normas ISO y relaciones / Enrique Claver Cortés, José Francisco Molina Azorín, Juan José Tarí Guilló . - 3ª ed. Madrid : Pirámide, D.L. 2011
- [BB] Durán Romero, Gemma : Empresa y medio ambiente : políticas de gestión ambiental / Gemma Durán Romero Madrid : Pirámide, D. L. 2007
- [BB] Manual de economía ambiental y de los recursos naturales / Pere Riera ... [et al.] . - 1ª ed., 3ª reimp. Madrid : Paraninfo, D.L. 2011
- [BB] Roberts, Hewitt. ISO 14001 EMS : manual de sistemas de gestión medioambiental / Hewitt Roberts, Gary Robinson . Madrid : Paraninfo, D.L. 1999
- Huesca:
- No hay relación bibliográfica para esta asignatura(Ver toda la bibliografía recomendada + enlace al catálogo)
- Teruel:
- [BB] Azqueta Oyarzun, Diego. Introducción a la economía ambiental / Diego Azqueta Oyarzun 2ª ed. @editorMadrid [etc.] : McGraw-Hill, D.L. 2007
- [BB] Claver Cortés, Enrique. Gestión de la calidad y gestión medioambiental : fundamentos, herramientas, normas ISO y relaciones / Enrique Claver Cortés, José Francisco Molina Azorín, Juan José Tarí Guilló . - 3ª ed. Madrid : Pirámide, D.L. 2011
- [BB] Durán Romero, Gemma : Empresa y medio ambiente : políticas de gestión ambiental / Gemma Durán Romero Madrid : Pirámide, D. L. 2007
- [BB] Manual de economía ambiental y de los recursos naturales / Pere Riera ... [et al.] . - 1ª ed., 3ª reimp. Madrid : Paraninfo, D.L. 2011
- [BB] Roberts, Hewitt. ISO 14001 EMS : manual de sistemas de gestión medioambiental / Hewitt Roberts, Gary Robinson . Madrid : Paraninfo, D.L. 1999