

Academic Year/course: 2021/22

27353 - Environmental Management

Syllabus Information

Academic Year: 2021/22

Subject: 27353 - Environmental Management

Faculty / School: 109 - Facultad de Economía y Empresa

Degree: 448 - Degree in Business Administration and Management

ECTS: 5.0

Year: 4

Semester: Second semester

Subject Type: Optional

Module:

1. General information

2. Learning goals

3. Assessment (1st and 2nd call)

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 theory sessions, practice sessions and tutorials.

4.2. Learning tasks

This course is organized as follows:

- **Theory sessions** (25 hours). The lessons will be used to present the theoretical contents.
- **Practice sessions** (25 hours). They allow putting into practice the knowledge acquired in the theory sessions and demonstrate the ability to work in groups and the skills of searching for information and interpersonal communication. The development of practice sessions will be based both on the use of the method of the case as in the resolution of case studies. However, other forms may also be used as the search for information for further analysis and the discussion of lectures in class. For the development of these sessions, the computer classroom may be used, which facilitates the availability of the appropriate means for the search and treatment of information in class.
- **Autonomous work and study** (75 hours). It consists on problem-based learning / Laboratory (tool ICT) / Seminars / Tutorials / Student's autonomous work. Individual or small group tutorials 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.

The teaching delivery methodology is expected to pivot around face-to-face classes. However, if necessary for health reasons, face-to-face classes may be taught semi-face-to-face or online.

4.3. Syllabus

This course will address the following topics:

- **Topic 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
- **Topic 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
- **Topic 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
- **Topic 4: Environmental policy in the European Union**
 - 4.1.- Introduction: From Command-and-Control to Market-Based instruments
 - 4.2.- Integrated Pollution Prevention and Control Law (IPPC)
 - 4.3.- Environmental taxes
 - 4.4.- The European Pollutant Release Transfer Register (PRTR)
 - 4.5.- European emissions trading system
 - 4.6.- The Integrated Management Systems: The Case of Packaging Waste Management
- **Topic 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
- **Topic 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

4.4. Course planning and calendar

The work done in groups in practice sessions should be presented in class by students in May.

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course, will be provided on the first day of class or please refer to the Moodle website (<https://moodle2.unizar.es>); Academic calendar website (<https://academico.unizar.es/calendario-academico/calendario>); or the website of your corresponding faculty (Zaragoza: <https://econz.unizar.es/>, Huesca: <http://fegp.unizar.es/>, Teruel: <http://fcsch.unizar.es/>).