

Academic Year/course: 2022/23

61347 - Environmental Economics and Natural Resources

Syllabus Information

Academic Year: 2022/23

Subject: 61347 - Environmental Economics and Natural Resources

Faculty / School: 109 - Facultad de Economía y Empresa

Degree: 525 - Master's in Economics

ECTS: 3.0

Year: 1

Semester: Second semester

Subject Type: Optional

Module:

1. General information

2. Learning goals

3. Assessment (1st and 2nd call)

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

Course assessment will be onsite. In the case of a new pandemic wave assessment will become partly online or fully online. It should be noted that in any online assessment task the student performance may be recorded, following the regulations described in: [?https://protecciondatos.unizar.es/sites/protecciondatos.unizar.es/files/users/lopd/gdocencia_reducida.pdf?_](https://protecciondatos.unizar.es/sites/protecciondatos.unizar.es/files/users/lopd/gdocencia_reducida.pdf?_)

4. Methodology, learning tasks, syllabus and resources

4.1. Methodological overview

The learning process of this course is based on theory and practice sessions; the reading, study and discussion of the recommended bibliography; individual and group work in presentations and discussions in class; individual or group tutorials; and autonomous learning and study of the course contents.

All lectures and seminars will be imparted on site. In the case of a new health emergency caused by the current pandemic all teaching will be moved online.

4.2. Learning tasks

The course includes the following learning tasks:

- Theory and practice sessions (30 hours): Presentation of topics, bibliographical orientation and proposal of questions and homework by the teacher, solving of questions and class discussion.
- Autonomous work (45 hours): Personal work of the students, individually and in groups, for solving questions, preparation of papers, reading reviews, and exam preparation.
- Individual or group tutorials (included in autonomous work of students).
- Exams.

4.3. Syllabus

The course will address the following topics:

Topic 1. The economy and the environment.

- Topic 2. The economics of pollution.
- Topic 3. The economic value of environmental services.
- Topic 4. The methods for valuing environmental benefits and costs.
- Topic 5. The Cost-Benefit Analysis of projects and policies.
- Topic 6. Discounting the future.
- Topic 7. The renewable and non-renewable natural resources.

4.4. Course planning and calendar

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 "Facultad de Economía y Empresa" website (<http://econz.unizar.es/>).

4.5. Bibliography and recommended resources

- ALBI, E.; GONZÁLEZ-PÁRAMO, J.M.; URBANOS, R.M.; ZUBIRI, I. (2017): *Economía Pública I: Fundamentos. Presupuesto y Gastos (4ª edición)*. Madrid: Ariel Economía. (BC)
- AZQUETA, D.; M. ALVIAR; L. DOMÍNGUEZ y R. O'RYAN (2007): *Introducción a la economía ambiental*, 2ª edición. Madrid: McGraw Hill. (BB)
- CUERDO, M.; RAMOS, J.L. (2000): *Economía y naturaleza: una historia de las ideas*. Madrid: Editorial Síntesis. (BC)
- LABANDEIRA, X.; LEÓN, C.J.; VÁZQUEZ, M.X. (2007): *Economía ambiental*. Madrid: Pearson/Prentice Hall. (BB)
- PEARCE, D.W. y R.K. TURNER (1995): *Economía de los recursos naturales y del medio ambiente*. Madrid: Celeste Ediciones. (BB)
- RIERA, P.; GARCÍA, D.; KRISTRÖM, B.; BRÄUNNLUND, R. (2016): *Manual de economía ambiental y de los recursos naturales (3ª edición)*. Madrid: Ediciones Paraninfo. (BB)