

61339 - Environment, Growth and Industrial Ecology

Syllabus Information

Academic Year: 2020/21

Subject: 61339 - Environment, Growth and Industrial Ecology

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

1.1.Aims of the course

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1.2.Context and importance of this course in the degree

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1.3.Recommendations to take this course

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2.Learning goals

2.1.Competences

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2.2.Learning goals

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2.3.Importance of learning goals

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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?_

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

The methodology followed in this course is oriented towards achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as lectures, student participation, autonomous work (study, class preparation, readings, exercises, research topics).

For some topics, computer-related tools are necessary.

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:

- Lectures and practice sessions (40 hours): compulsory attendance
- Autonomous work (90 hours): coursework and project preparation and study
- Presentation and defense of projects (20 hours): compulsory attendance

4.3.Syllabus

The course will address the following topics:

Topic 1. SUSTAINABILITY AND GLOBAL ENVIRONMENTAL PROBLEMS

Topic 2. GAME THEORY AND ENVIRONMENTAL ISSUES

Topic 3. GROWTH AND ENVIRONMENT: MULTISECTORAL MODELS, ENVIRONMENTAL ASSESSMENT AND EXTENSION

Topic 4. THE ENVIRONMENTAL FOOTPRINT (ECOLOGICAL FOOTPRINTING)

Topic 5. ECONOMIC ACTIVITY AND ENVIRONMENTAL RESPONSIBILITY (SUPPLY, DEMAND, INCOME APPROACHES; TRADE)

Topic 6. APPLIED GENERAL EQUILIBRIUM MODELS FOR ENVIRONMENTAL ASSESSMENT

Topic 7. OTHER TOPICS

4.4.Course planning and calendar

Further information concerning the timetable, classroom, assessment dates and other details regarding this course, will be provided on the first day of class or please refer to the Master's website.

4.5.Bibliography and recommended resources