

Academic Year/course: 2022/23

60563 - Agricultural land-use planning and management

Syllabus Information

Academic Year: 2022/23

Subject: 60563 - Agricultural land-use planning and management

Faculty / School: 201 - Escuela Politécnica Superior

Degree: 546 - Master in Agricultural Engineering

ECTS: 4.5

Year: 1

Semester: First semester

Subject Type: Compulsory

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 learning process designed for this course is based on the following:

Along with expository and participative classroom lectures, there will be face-to-face sessions of practical case studies (participative-active-interrogative activities), work and evaluation tests. In addition, students will be able to work on their own in a non-face-to-face basis.

4.2. Learning tasks

The program offered to the student to help him/her achieve the expected results comprises the following activities....

1. Theoretical expository classes. They will consist of the exposition of lectures, motivating the participation of the students. Its purpose is to transmit the notions of the subject in a clear, systematic and synthetic way. It is intended to arouse interest in the subject and motivate the student in their individual study and that the master class is a dialogue in which not only is exposed but also questions are asked, doubts are solved, discussed and debated.
2. Solving problems and real cases, in which the student will work throughout the course.
3. Work development.
4. Autonomous work of the student. Non-attendance activities: to be carried out by the student with full time freedom to solve exercises proposed during the theory and practical sessions.
5. Evaluation tests.

In relation to the 2030 Agenda, both the theoretical agenda and the problems and assignments that the student will carry out in this subject are closely related to SDG 15, by promoting sustainable land management (with implications for SDGs 1, 2, 6, 7, 9, 11 and 12, as explained in https://ec.europa.eu/environment/soil/pdf/SDG_Land_BrochureSept2020_ES_v3.pdf.

4.3. Syllabus

- Conceptual and legal bases of land management.

- Analysis and diagnosis of the agrarian territory.
- Physical-natural and socio-economic-population factors.
- Terminology and methodologies in land management.
- Land consolidation projects and land use.
- Methodology of land consolidation.
- Irrigation projects and their impact on land use planning.
- The integration of the projects in the territory and the landscape.
- The Territorial planning projects in relation to the environment. Typologies of protected natural spaces.
- The projects of Renewable Energies and their incidence in the territorial and population planning.
- The agro-industrial sector and territorial planning.
- Urban legislation, urban planning and rural planning.
- Techniques of landscape integration in the development and management of projects.
- Methodological bases for the integration of projects in the territory.
- Economic valuations of environmental and land use planning actions.

4.5. Bibliography and recommended resources

- BB** Cazorla, Adolfo. Desarrollo rural : modelos de planificación / Adolfo Cazorla Montero, Ignacio de los Ríos Carmenado, Miguel Salvo Mendivil. Madrid : Mundi-Prensa : Universidad Politécnica de Madrid, Escuela Técnica Superior de Ingenieros Agrónomos, D.L 2007
- BB** Gómez Orea, Domingo. Ordenación territorial / Domingo Gómez Orea. Madrid : Mundi-Prensa, 2002
- BB** Pujadas, Romà. Ordenación y planificación territorial / Romà Pujadas, Jaume Font. Madrid : Síntesis, D.L. 2008
- BB** Regidor J.G. (2008). Desarrollo rural sostenible un nuevo desafío. Madrid: Ministerio de Agricultura, Pesca y Alimentación y Mundi-Prensa

The updated recommended bibliography can be consulted in:<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=60563>