

## 60563 - Agricultural land-use planning and management

### Syllabus Information

**Academic Year:** 2019/20

**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

#### 1.1.Aims of the course

#### 1.2.Context and importance of this course in the degree

#### 1.3.Recommendations to take this course

### 2.Learning goals

#### 2.1.Competences

#### 2.2.Learning goals

#### 2.3.Importance of learning goals

### 3.Assessment (1st and 2nd call)

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

### 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 theory sessions, cases and problems, task-solving, autonomous work and evaluation activities.

#### 4.2.Learning tasks

The course includes the following learning tasks:

- **Theory sessions** (25 hours). Classroom activity in which the course contents are developed.
- **Cases and problems** (10 hours). Classroom activity in which problems related to the contents of the course will be solved.
- **Task-solving** (10 hours).
- **Study** (64 hours). Before the final exam.
- **Assessment** (3,5 hours).

#### 4.3.Syllabus

The course will address the following topics:

- Topic 1. Conceptual and legal bases of spatial planning.
- Topic 2. Analysis and diagnostic of the agrarian territory.
- Topic 3. Physical-natural and socio-economic-population factors.
- Topic 4. Terminology and methodologies in spatial planning.
- Topic 5. Land consolidation projects and land uses.
- Topic 6. Methodology of land consolidation.
- Topic 7. Irrigation projects and their likely effects in spatial planning.
- Topic 8. Integrating projects into territory and landscape.
- Topic 9. Territorial planning projects related to the environment. Protected natural areas typologies.
- Topic 10. Renewable energy projects and their likely effects in spatial planning and population.
- Topic 11. Agro-industrial sector and spatial planning.
- Topic 12. Planning legislation, urban and rural planning.
- Topic 13. Landscape integration techniques into development and management projects.
- Topic 14. Methodological bases for the integration of the territorial projects.
- Topic 15. Economic valuations of environmental and spatial planning actions.

#### 4.4.Course planning and calendar

It is estimated that an average student should devote to this course (4.5 ECTS) a total number of 112.5 hours. Below there is the provisional course planning:

Week	Theory sessions	Problems and cases	Tasks solving
1	2 hours	1 hours	
2	2 hours	1 hours	
3	2 hours	1 hours	
4	2 hours	1 hours	
5	2 hours	1 hours	
6	2 hours	1 hours	
7	2 hours	1 hours	
8	2 hours		1 hours
9	2 hours		1 hours
10	2 hours		1 hours
11	1 hours	1 hours	1 hours
12	1 hours	1 hours	1 hours
13	1 hours	1 hours	1 hours
14	1 hours		2 hours
15	1 hours		2 hours
<b>TOTAL</b>	<b>25 hours</b>	<b>10 hours</b>	<b>10 hours</b>

Finally, the following table shows the distribution of ECTS credits between educational modes.

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<b>Educational mode</b>	<b>Total hours of student work</b>	<b>ECTS</b>
Theory sessions	25	1.0
Problems and cases	10	0.4
Task-solving	10	0.4
Autonomous work and exam	67.5	2.7
<b>TOTAL</b>	<b>112.5</b>	<b>4.5</b>

#### **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://psfunizar7.unizar.es/br13/egAsignaturas.php?codigo=60563&Identificador=C70023>