

## 60563 - Agricultural land-use planning and management

### Información del Plan Docente

Academic Year	2017/18
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.Introduction**

#### **1.2.Recommendations to take this course**

#### **1.3.Context and importance of this course in the degree**

#### **1.4.Activities and key dates**

### **2.Learning goals**

#### **2.1.Learning goals**

#### **2.2.Importance of learning goals**

### **3.Aims of the course and competences**

#### **3.1.Aims of the course**

#### **3.2.Competences**

### **4.Assessment (1st and 2nd call)**

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

### **5.Methodology, learning tasks, syllabus and resources**

#### **5.1.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.

#### **5.2.Learning tasks**

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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).

### 5.3.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.

### 5.4.Course planning and calendar

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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:

<b>Week</b>	<b>Theory sessions</b>	<b>Problems and cases</b>	<b>Tasks solving</b>
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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Educational mode	Total hours of student work	ECTS
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>

### 5.5. 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?id=9693>