



## Teaching project of the subject

<b>Asignatura</b>	<b>FOREST PRACTICUM</b>		
<b>Materia</b>	TRANSVERSE TOOLS		
<b>Módulo</b>	OPTIONAL		
<b>Titulación</b>	<b>FORESTRY ENGINEER</b>		
<b>Plan</b>		<b>Código</b>	MO A31
<b>Periodo de impartición</b>	2 <sup>o</sup> Q	<b>Tipo/Carácter</b>	OP
<b>Nivel/Ciclo</b>	Grado	<b>Curso</b>	3 <sup>o</sup>
<b>Créditos ECTS</b>	3		
<b>Lengua en que se imparte</b>	ENGLISH		
<b>Profesor/es responsable/s</b>	PABLO MARTÍN PINTO OTROS: JOAQUÍN NAVARRO HEVIA; JOSÉ REQUE KILCHENMAN; PILAR ZALDIVAR GARCÍA; M <sup>a</sup> BELÉN TURRIÓN; OLGA LÓPEZ CARCELÉN; JOSÉ M <sup>a</sup> DEL ARCO; RAÚL ARAÚJO;...		
<b>Datos de contacto (E-mail, teléfono...)</b>	pmpinto@pvs.uva.es		
<b>Horario de tutorías</b>	6 hours week according schedule		
<b>Departamento</b>	Ingeniería Agrícola y Forestal		

### 1. Course

#### 1.1 Context

Subject considered as an integral application of knowledge acquired in various subjects of study, management, management, use, protection and restoration of the natural and forest environment.

#### 1.2 Relation with other courses

Management of wildlife and protected natural areas; Zoology and Entomology; Edaphology and Climatology; Reforestation, nurseries and gardening; Forestry; Management; Forestry Botany; Ecology; Logging and forest products; Forest machinery and mechanization; Forest fires; Hydraulics; Forest hydrology and recovery of degraded areas.

#### 1.3 Pre requirements

It is recommended to have completed the subjects of Pedagogy and Climatology; Zoology and Entomology; Reforestations, nurseries and gardening; Ordination; Forestry Botany; Ecology; Logging and forest products; Forest machinery and mechanization; Forest fires; Hydraulics; Forest hydrology and recovery of degraded areas.

It is recommended to have the subject Silviculture approved.



## 2. Skills

### 2.1 General

- G1 Know the basic elements of professional practice
- G2 Knowing and applying knowledge in practice
- G3 Being able to analyze and synthesize
- G4 Being able to organize and plan
- G5 Be able to communicate verbally and in writing, both in specialized forums and for non-experts
- G6 Speaking, reading and writing in a foreign language
- G7 Possess knowledge, skills and abilities of computer science and information and communication technologies (ICT)
- G8 Manage information
- G9 Being able to solve problems
- G10 Being able to make decisions
- G11 Knowing the academic and administrative organization of the University
- G12 Teamwork
- G13 Being able to work in a local, regional, national or international context
- G14 Developing interpersonal relationships
- G15 Demonstrate critical reasoning
- G16 Have an Ethical Commitment
- G17 Learning autonomously both individually and cooperatively
- G18 Adapt to new situations
- G19 Develop creativity.
- G20 Being able to lead
- G21 Recognize and appreciate other cultures and customs as well as diversity and multiculturalism
- G22 Being able to take initiatives and develop entrepreneurial spirit
- G23 To have motivation for quality
- G24 Commit to environmental issues
- G25 Commit to gender equality, both in the labor and personal fields, use of non-sexist language, and racist
- G26 Commit to the equal rights of persons with disabilities
- G27 Commit to a Culture of Peace

### 2.2 Specifics

Capacidad para conocer, comprender y utilizar los principios de:

<b>C1</b>	Forestry Botany. Zoology and Forest Entomology. Forest Ecology.
<b>C2</b>	Forestry Hydraulics.
<b>C4</b>	Forest Harvesting. Forest Products. Forestry machinery and mechanization.
<b>C5</b>	Silviculture.



<b>EEF1</b>	Prevention and control of forest fires. Hydrology and Hydrological-Forest Restoration. Recovery of Degraded Spaces
<b>EEF2</b>	Reforestation. Forestry Nurseries. Forest Improvement.
<b>EEF3</b>	Hunting and Fishing Management. Aquaculture Systems. Conservation of natural areas and protected species.
<b>EEF5</b>	Forest Management.

### 3. Objectives

- Observe, analyze and deepen practical aspects related to forestry. Synthesize the information received in a report and adequately expose its content.

### 4. Student time dedication

ACTIVIDADES PRESENCIALES	HORAS	ACTIVIDADES NO PRESENCIALES	HORAS
Theoretical-practical classes (T / M)	6	Self-study and individual work	15
Field Practices	24	Study and autonomous group work	60
<b>Total presencial</b>	<b>30</b>	<b>Total no presencial</b>	<b>75</b>

### 5. <sup>1</sup>Parts

- Part 1: Agroforestry Sciences**
- Part 2: Vegetal Production and forestry Resources**
- Part 3: Agricultural and Forestry engineer**

Carga de trabajo en créditos ECTS:

#### a. Context

To participate in trips and activities that deepen in practical aspects related to the forest area, in relation to the matters involved of the three Departments (Part 1, Part 2 and Part 3).

#### b. Learning aims

- Observe, analyze and deepen practical aspects related to forestry. Synthesize the information received in a report and adequately expose its content.
- Participate in trips and activities that deepen in practical aspects related to the forest area.
- To apply the bases, fundamentals and principles of evaluation, management, conservation and protection of the natural and forest environment through the collection and analysis of information in the field, based on teamwork and knowledge convergence through Matters involved.



**c. Contents**

A practical trip is carried out to a forest area where the collection of information and analysis of the state of the natural environment will be carried out for its application in decision making based on the proper management, protection, conservation and sustainable use of natural resources; As well as its application in projects of utilization, forest management and reforestation, hydrological-forest restoration and / or protection against forest fires.

**d. Methods**

Practical fieldwork and project-based learning.

**e. Plan de trabajo**

Visit to a forest area; Study in the field of the natural environment and application of information to the management, protection, and conservation of flora and fauna; Sustainable silvicultural treatment and use; Protection against forest fires; To the forest hydrological restoration and degraded spaces.

**f. Evaluation**

Practical work carried out in groups, based on a forest harvest, conservation and restoration project, is evaluated. It will be necessary to surpass 80% of the practices raised in the field. In addition, a questionnaire will be solved in order to strengthen the methodologies or theoretical knowledge related to the development of such practices.

**e. Basic bibliography**

To be specified during the development of the practices

**h. Complementary bibliography**

To be specified during the development of the practices

**i. Necessary resources**

Provided by the Faculty and Departments involved.

The student will only have to pay the accommodation expenses.

You may need some complementary material such as binoculars, razor, water boots, compass, sleeping bag, ..., which should have been acquired during your learning in the subjects previously taken.

The transportation costs from the point of origin to destination (I + V), will be assumed by the subject and the resources made available by the Implied Dates and the Center.

**6. Timing**

PART	ECTS	TIME
<b>Part 1: Agroforestry Sciences</b>	1	Week 13 <sup>a</sup>
<b>Part 2: Vegetal Production and forestry Resources</b>	1	Week 13 <sup>o</sup>
<b>Part 3: Agricultural and Forestry engineer</b>	1	Week 13 <sup>o</sup>



## 7. Evaluation

INSTRUMENTO/PROCEDIMIENTO	PESO EN LA NOTA FINAL	OBSERVACIONES
Practices: project-based learning	50-70%	According to the quality of the work done by the student. It is necessary to overcome 80% of the practices developed in the field
Theoretical contents	50-30%	Appropriation control related to theoretical contents must be approved
Field work	Up to 10%	% Improvement on the final grade. To apply it must have approved the theoretical and practical part and is based on the attitude developed during the trip, stay and field work.

## 8. Final considerations

IT IS REMEMBERED THAT THIS SUBJECT IS EMINENTLY PRACTICAL AND BASED EXCLUSIVELY ON THE CONDUCT OF A PROGRAM OF PRACTICES IN FIELD IN A CONCRETE AREA AND THROUGH TEAMWORK. THEREFORE ESSENTIAL REQUIREMENT IS THE PRESENCE AND ACTIVE PARTICIPATION IN THE PROGRAM.