

**Course Project adapted to the new normality**

<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>	2º Q	<b>Tipo/Carácter</b>	OP
<b>Nivel/Ciclo</b>	BACHELOR	<b>Curso</b>	3º
<b>Créditos ECTS</b>	3		
<b>Lengua en que se imparte</b>	ENGLISH		
<b>Profesor/es responsable/s</b>	JOAQUÍN NAVARRO HEVIA; JOSÉ REQUE KILCHENMAN; PABLO MARTÍN PINTO		
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<b>Departamento</b>	Ciencias Agroforestales; Ingeniería Agrícola y Forestal; Producción Vegetal y Recursos Forestales		



## 1. Situation / Meaning of the Course

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### 1.1 Context

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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

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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

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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 To Know the basic elements of professional practice
- G2 To Know and apply knowledge in practice
- G3 To Be able to analyze and synthesize
- G4 To Be able to organize and plan
- G5 To Be able to communicate orally and in writing, both in specialized forums and for non-experts
- G6 To Speak, read and write in a foreign language (English)
- G7 To Possess knowledge, skills and abilities of computing and information and communication technologies (ICT)
- G8 To Manage information
- G9 To Be able to solve problems
- G10 To Being able to make decisions
- G11 To Know the academic and administrative organization of the University
- G12 To Teamwork
- G13 To Being able to work in a local, regional, national or international context
- G14 To Develop interpersonal relationships
- G15 To Demonstrate critical reasoning
- G16 To Have an ethical commitment
- G17 To Learning independently both individually and cooperatively
- G18 To Adapting to new situations
- G19 To Develop creativity.
- G20 To Being able to lead
- G21 To Recognize and appreciate other cultures and customs, as well as diversity and multiculturalism
- G22 To Being able to take initiatives and develop an entrepreneurial spirit
- G23 To Possess quality motivation
- G24 To Commit to environmental issues
- G25 To Commit to gender equality, both in work and personal settings, use of non-sexist and racist language
- G26 To Commit to the equal rights of people with disabilities
- G27 To Commit to a culture of peace

### 2.2 Específicas

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.



EEF3	Hunting and Fishing Management. Aquaculture Systems. Conservation of natural areas and protected species.
EEF5	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. Parts

##### Bloque 1: “

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

**Carga de trabajo en créditos ECTS:** 3

##### 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.
- Exchange experiences related to the conservation and management of the nature of our country with other countries and their ecosystems.
- Promote cultural interrelation and bilingual communication (Spanish / English)

##### c. Contents

A practical trip is made to a forest area where the information and analysis of the state of the natural environment, facilities and / or infrastructure will be collected, for application in decision-making based on proper management, protection, conservation and sustainable use of natural and forest resources in the study area; as well as its application in exploitation projects, forestry management and reforestation, hydrological-forest restoration and / or protection against forest fires, in an international climate, and applying the necessary safety and health protection measures in these areas.

##### d. Teaching methods

Practical work in group and individual field, collaborative learning and project-based learning.  
Encourage communication in "English friendly", to promote cultural exchange.

##### e. Workplan

Visit of a forest area, facilities and works or forest infrastructures and / or protection and conservation of the natural environment; field study of the natural environment and application of information to the management, management, protection, and conservation of flora and fauna; to the treatment and sustainable use of





silviculture; forest fire protection; to forest hydrological restoration and degraded areas, to the means and equipment for safety and health protection.

#### f. Evaluation

The practical work carried out in groups in the different programmed activities is evaluated, based mainly on a project of forest exploitation, conservation and restoration.

It is necessary to deliver at least 80% of the developed practices.

It will be necessary to overcome with a minimum of four (4) all the practices delivered, and that the final average between them is equal to or greater than five out of 10 (5).

#### g Teaching material

##### g.1 Basic bibliography

To be specified during the development of the practices

##### g.2 Further reading

To be specified during the development of the practices

##### g.3 Other telematic resources (knowledge pills, blogs, videos, digital magazines, mass courses (MOOC), ...)

To be specified during the development of the practices

#### h. Necessary resources

The students must use the appropriate clothing to carry out field work in the forest environment (boots, warm clothing and protection against rain, insect repellents, sleeping bag, personal hygiene material). It may also be necessary to have binoculars, a field knife, and a notebook.

Personal computer with basic work programs during studies.

Mobile phone with GPS functions to locate itineraries, places, positioning.

Other means related to practices and health and safety will be provided by the Center and the Departments involved.

The student will only have to pay for the accommodation and subsistence expenses, although the Center and the Departments will try to contribute resources to reduce the total costs, through the practical aid programs that the UVa develops annually.

#### i. Temporalization

CARGA ECTS	PERIODO PREVISTO DE DESARROLLO
Block 1: Agroforestry Sciences 1 ECTS Week 11 (depending on weather conditions)	Block 1: Agroforestry Sciences 1 ECTS Week 11 (depending on weather conditions)
Block 2: Vegetable Production and Forest Resources 1 ECTS Week 11 (depending on weather conditions)	Block 2: Vegetable Production and Forest Resources 1 ECTS Week 11 (depending on weather conditions)
Block 3: Agricultural and Forestry Engineering 1 ECTS Week 11 (depending on weather conditions)	Block 3: Agricultural and Forestry Engineering 1 ECTS Week 11 (depending on weather conditions)



## 5. Teaching methods and methodological principles

Practical groups and individual field work, collaborative learning and learning based project.  
Encourage communication in "English friendly", to promote cultural exchange.





**6. Table of student dedication to the subject**

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

**7. Evaluation system**

Criterion: when at least 50% of the school days of the semester pass normally, the criteria indicated in the teaching guide will be assumed as evaluation criteria. Continuous evaluation is recommended as it involves minimizing changes in the addendum.

INSTRUMENT / PROCEDURE	WEIGHT ON THE FINAL NOTE	OBSERVATIONS
Practices: project-based learning  According to the quality of the work carried out by the student.  It is necessary to deliver at least 80% of the practices developed in the field	100 %	The arithmetic mean of all the activities carried out will be performed.  To pass the course, it is necessary to get an average grade higher than 5 out of 10.  A grade greater than or equal to four (4) must be obtained in all the practices delivered.

**CRITERIOS DE CALIFICACIÓN****• Ordinary convocatory:**

The practical work will be pass with a grade higher than or equal to five (5) out of ten (10).

**• Extraordinary convocatory:**

The student who has not passed the course will have to return to deliver the practical work with the corrections required by the teaching staff. The qualification will be obtained equally than in the ordinary call.

**8. Final comments**

Forest Practicum / Integrated Practice offers the student the opportunity to apply the knowledge acquired up to the 3rd Course, in a quasi-professional way, in a work environment close to reality, with the possibility of interacting more deeply with peers and teachers, generating an exchange of experiences of high educational value. It also generates the opportunity to develop in an international language such as English and move in a multicultural and multiracial environment, sharing the forest experience of our ecosystems with the experience of students from very diverse backgrounds and very different and unique forest ecosystems.



## Adenda to the course project

### A4. Contents and / or thematic blocks

#### Bloque 1: "Unique thematic block"

ECTS:

#### c. Contents adapted to online training

As it is a course based on field work, travels and visits to forest facilities, works and infrastructures and to the conservation and management of natural and forest systems, it will be attempted face to face.

If this is not possible, students will be receive practical cases and materials, videos, links and documentary sources in order to carry out the work they would do in the field, based on practical assumptions developed by each responsible teacher.

#### d. Online teaching methods

Videoconferences and practice / doubt forums in the virtual Campus

#### e. Online work plan

The same as face-to-face.

#### f. Online assessment

The same as face-to-face.

#### i. Temporalization

The same as face-to-face.

### A5. Teaching methods and methodological principles

The same as face-to-face.

### A6. Tabla de dedicación del estudiante a la asignatura

The same as face-to-face adapted to virtual sessions

### A7. Sistema y características de la evaluación

Criterio: cuando más del 50% de los días lectivos del cuatrimestre transcurran en situación de contingencia, se asumirán como criterios de evaluación los indicados en la adenda.

The same as face-to-face.

