



<b>Subject</b>	FOREST SOILS AND CARBON SEQUESTRATION		
<b>Qualification</b>	Grado en Ingeniería Forestal y del Medio Natural		
<b>Plan</b>	449	<b>Code</b>	42211
<b>Period</b>	Second semester	<b>Type/Nature</b>	Optational
<b>Level</b>	Degree	<b>Curso</b>	
<b>ECTS</b>	3		
<b>Language</b>	Inglés		
<b>Lecturers</b>	Francisco Lafuente Álvarez (coordinador) María Belén Turrión Nieves. Marina Getino Álvarez. Ruth C. Martín Sanz.		
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<b>Department</b>	Ciencias Agroforestales (Área de Edafología y Química Agrícola)		

#### 4. Topics Covered (MODIFIED BY THE CONFINEMENT DUE TO COVID19)

##### Topic 6: Sampling techniques and results analysis.

This is the topic that has been mainly affected by the confinement caused by the problem of COVID19. In this period was planned to develop the activities of soil sampling and laboratory practices. Due to the impossibility to go to the field and to the laboratory, these activities have been replaced by instructional materials (videos, pictures, explanations, applications...) collected in a file for each programmed session.

In order to have enough time to prepare virtual sessions, the session Soil Carbon Respiration 2 It has been removed. The previous session for this laboratory practice has been developed in part previously to the confinement and in part (assignment) in the first week of the confinement.

#### 5. Methods of Instruction from 13.03.2020

Lecturers have prepared videos for each session, previously programmed, by the Kaltura application. In these videos have been used different materials: pictures of the material used for the programmed activities, how to use them, applications, etc, and explanations about these contents.

A new detailed timetable has been prepared for the virtual sessions of the subject, with a weekly periodicity.

Assignments will be requested in the videos of each session.

It will be used the Moodle platform (**Campus Virtual Uva**) as repository of videos (linked to Kaltura) and other files, to deliver assignments and as a channel of communication among students and lecturers; also a forum of doubts has been opened.

The oral presentation will be carried out by videoconference, in a reduced way.

**Tutoring and monitoring methods desde el 13.03.2020:**

- Communication among lecturers and students is performed through **Moodle platform** and institutional e-mails.
- A Forum has been opened to solve doubts and questions.
- Assignments are requested in the videos of each session. These assignments will allow lecturers to evaluate if students have understood correctly the content.
- Also e-mail it is used by students and lecturers to communicate among them.

**e. Plan of work**

The same weekly program, with one session deleted.

**j. Timing**

Weekly sessions, as programmed, but in virtual sessions. Only in the second week of the confinement was not possible to program activities.

**6. Student Dedication to the Course from 13.03.2020**

For virtual sessions it has been the equivalence in hours of work.

Lessons	Hours	Outside Class	Hours
Lectures		Individual study and assignments	2
Field work	4	Assignment	1
Laboratory	12	Working in group	10
Seminars and Oral presentation	3	Preparation of assignments and oral presentation	15
<b>Total</b>	<b>19</b>	<b>Total</b>	<b>28</b>

**7. Grading Criteria**

The same as for the syllabus, as described in the following table; only changing the grade of Lab work by the assignments required in the videos of the sessions.

Student Evaluation	Percentage of final grade	Type of activity	Comments
Lab work	10 %	Group activity	Mandatory assignments
Lab report	20 %	Individual activity	
Assignments and participation in lessons	20 %	Individual activity	
Final report	30 %	Group activity	Mandatory assignment
Oral presentation	20 %	Group activity	Mandatory assignment

**8. Final considerations**