

Plan 506 MÁSTER ERASMUS MUNDUS: MEDITERRANEAN FORESTRY AND NATURAL RESOURCES MANAGEMENT

Asignatura 53030 LEARNING BY DOING IN FORESTRY: NEW TOOLS FOR NEW CHALLENGES

Tipo de asignatura (básica, obligatoria u optativa)

Compulsory within the specialization in "adaptive forestry strategies to provide goods and services while coping with global change challenges"

Créditos ECTS

6 ECTS

Competencias que contribuye a desarrollar

Objetivos/Resultados de aprendizaje

The course focuses on Adaptive Forest Management; it is structured in four main chapters that cover: (i) Forest Management under global change, (ii) silvicultural path design, (iii) quantitative silviculture and (iv) monitoring, experimentation and data analysis.

Contenidos

1. Identify the main impacts of global change on forestry and its opportunity to mitigate the GC effects 2. Use different quantitative approaches to evaluate, monitor and design silvicultural methods. 3. Elaborate models to project silvicultural paths. 4. Design experiments to obtain useful information to operational forestry

Principios Metodológicos/Métodos Docentes

Course topics are actively developed by a mixture of traditional lectures, discussions on proposed topics, students' personal work, hands-on labs and field trips. The effectiveness of the proposed methodology depends heavily on the participation of students in the course, so students are encouraged to actively participate in class by asking questions, discussions and the contribution of ideas and opinions to the whole group. Adequate participation in the course require reading recommended texts and articles.

Criterios y sistemas de evaluación

Evaluation will be based on:

1. Tests to assess competencies related to understanding, analysis, expression of knowledge: objective tests (multiple choice), Semi-objective (short questions)
2. Tests to assess competencies related to the application of techniques, procedures, protocols and problem-solving: Problem solving, case analysis or practical cases
3. Tests to assess competencies related to the ability to research, think or act creatively, communicate verbally: Projects and works
4. Tests to evaluate other professional, social and personal crosscutting: Run Tests, Troubleshooting, Analysis of

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practical cases or instances

5. Continuous assessment process material through the valuation of output by students in training activities and dossier of activities.

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## Recursos de aprendizaje y apoyo tutorial

Climate Change Adaptation-Spanish platform: <http://www.adaptecca.es/>

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## Calendario y horario

Course schedule is available on the website of the College of Agriculture, Food industry and Forestry (<http://www5.uva.es/etsiiaa/?p=632>)

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## Tabla de Dedicación del Estudiante a la Asignatura/Plan de Trabajo

Theory 20 hours

Labs 20 hours

Field trips 20 hours

Independent study: 45 hours

Group study: 45 hours

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## Responsable de la docencia (recomendable que se incluya información de contacto y breve CV en el que aparezcan sus líneas de investigación y alguna publicación relevante)

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## Idioma en que se imparte

English

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