66713 - Environmental planning field techniques and case solving

Información del Plan Docente

Academic Year	2017/18
Faculty / School	103 - Facultad de Filosofía y Letras
Degree	328 - Master's in Land and Environmental Planning
ECTS	6.0
Year	1
Semester	Annual
Subject Type	Optional
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 learning and teaching methodology developed in the course is aimed to promote the attainment of its objectives. A wide range of teaching and learning activities is implemented, such as interactive lessons, practical exercises, individual or group activities, directed activities, field work and private study.

A high level of student participation will be required from all students throughout the course.

66713 - Environmental planning field techniques and case solving

Extensive material will be available *via* the Moodle site of the course. This offers a variety of resources including a repository of the lecture notes used in class, a course syllabus as well as other forms of course-specific materials, including a discussion forum.

5.2.Learning tasks

Lecture sessions: 10 hours

Practical activities: Interactive, individual or group activities: 10 hours

Directed activities: 10 hours

Field work: 30 hours

5.3.Syllabus

Introduction : presentation of the subject
Unit1. Field techniques for the analysis of hydro- geomorphological processes in semiarid areas and the natural environment planning .
unit2. Field techniques for the analysis of hydro- geographical processes and the natural environment planning .
unit3. Field techniques for the analysis of biogeographical and dendrochronological processes and the natural environment planning .
Item 4. Field techniques for the analysis of geomorphological processes in mountain areas and the natural environment planning .
Item 5. Field techniques for locating , measuring and georeferencing of natural processes in relation to the natural environment planning .

5.4.Course planning and calendar

The course is divided into five thematic units. Each unit includes both lecture sessions and practical activities. Each unit runs during three sessions (2 hours/session) of the term. In April/May the students and lectures have a field trip (three days in the field).

Development of classroom activity during the months of April and May. The activity of the subject just definitively after the assessment test of the theoretical part.
The lecture units and practical activities take place in a classroom with capacity for 18 students, 12 computers with Internet access, projector and blackboard.
Fieldwork will take place in different parts of the Aragonese geography with appropriate physical tools and field experience prior (cartography, publications, reports, etc.)
The hydromorphology field will be developed in two nearby rivers but with different dynamics.
Fieldwork referred to dendrochronology be held in ravines (dendrogeomorphology) and forests (dendroecology) Zaragoza environment.
The application of field techniques in biogeography be held in several characteristic ecosystems of the Aragonese territory, present data and previous field experience.

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66713 - Environmental planning field techniques and case solving

5.5.Bibliography and recommended resources

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66713 - Environmental planning field techniques and case solving