



Year : 2018/19

66704 - Global change and management of natural risks

Syllabus Information

Academic Year:	2018/19
Subject:	66704 - Global change and management of natural risks
Faculty / School:	103 -
Degree:	328 - Master's in Land and Environmental Planning
ECTS:	6.0
Year:	1
Semester:	Annual
Subject Type:	Optional
Module:	---

General information

Aims of the course

Context and importance of this course in the degree

Recommendations to take this course

Learning goals

Competences

Learning goals

Importance of learning goals

Assessment (1st and 2nd call)

Assessment tasks (description of tasks, marking system and assessment criteria)

Methodology, learning tasks, syllabus and resources

Methodological overview

The methodology followed in this course is oriented towards achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as participative sessions, practical exercises, individual or group activities, guided activities, field work and autonomous work.

Students are expected to participate actively in the class throughout the course.

Classroom materials will be available via Moodle. These include a repository of the lecture notes used in class, the course syllabus, as well as other course-specific learning materials, including a discussion forum.

Learning tasks

The course includes the following learning tasks:

- Lectures: 25 hours
- Practical, interactive, individual or group activities: 25 hours
- Guided activities: 34 hours
- Field work: 10 hours
- Autonomous work: 50 hours
- Assessment: 3 hours

Syllabus

The course will address the following topics:

Section I. GLOBAL CHANGE

Topic 1. The quaternary frame. Past climate changes

Topic 2. The instrumental period

Topic 3. Change scenarios and environmental impacts

Section II. NATURAL HAZARDS

Topic 4. Types and Risk Management

Topic 5. Climate risks

Topic 6. Hydrological risks

Topic 7. Avalanche risk

Course planning and calendar

The course is divided into two sections. The first section includes the following topics: 1, 2, and 3. The second section includes the topics 4, 5, 6 and 7.

Further information concerning the timetable, classroom, assessment dates and other details regarding this course, will be provided on the first day of class or please refer to the "*Facultad de Filosofía y Letras*" web site (<https://fyl.unizar.es/horario-de-clases#overlay-context=horario-de-clases>)

Bibliography and recommended resources

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- Makowsky, K., Wild, M. y Ohmura, A., ¿Diurnal temperature range over Europe between 1950-2005?, Atmospheric Chemical Physics, núm. 8, 2008, p. 6483-6498
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