

28320 - Hydrogeography

Información del Plan Docente

Academic Year	2016/17
Academic center	103 - Facultad de Filosofía y Letras
Degree	419 - Degree in Geography and Land Management
ECTS	6.0
Course	3
Period	First semester
Subject Type	Compulsory
Module	---

1.Basic info

1.1.Recommendations to take this course

1.2.Activities and key dates for the course

2.Initiation

2.1.Learning outcomes that define the subject

2.2.Introduction

3.Context and competences

3.1.Goals

3.2.Context and meaning of the subject in the degree

3.3.Competences

3.4.Importance of learning outcomes

4.Evaluation

5.Activities and resources

5.1.General methodological presentation

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.

Extensive material will be available *via* the Moodle site of the course. This offers a variety of resources including a

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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 activities

Lecture sessions: 25 hours

Seminars: 5 hours

Practical activities: Interactive, individual or group activities: 22 hours

Directed activities: 9 hours

Field work: 10,5 hours

Private study: 75 hours

Assessment: 3,5 hours

5.3.Program

1. HYDROLOGY AS A SCIENCE

2. THE HYDROLOGICAL CYCLE

3. CONTINENTAL HYDROLOGY

4. GLOBAL CHANGE AND WATER

5.4.Planning and scheduling

The course is divided into four thematic blocks. The first block runs during the first two weeks of the term. The second thematic block runs during the following five weeks. The third block develops during seven weeks. The final block develops during the final week of the course.

For further details concerning the timetable, classroom and other information of the course please refer to the

"*Facultad de Filosofía y Letras*" web site (<https://fyl.unizar.es/horario-de-clases#overlay-context=horario-de-clases>)

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5.5. Bibliography and recommended resources

COSANDEY, C. (dir.) (2003): *Les eaux courantes*. Colección Belinsup Géographie. Paris. Ed. Belin. 240 p.

COSANDEY, C. y ROBINSON, M. (1999): *L'Hydrologie continentale*. Collection U. Armand Colin. Paris. 320 p.

DAVIE, T. (2006) : *Fundamentals of Hydrology*. 3ª edición. . Routledge. Londres. 169 p

MARTINEZ DE AZAGRA, A. y NAVARRO, J. (1995): *Hidrología Forestal*. Universidad de Valladolid.

MUSY, A.; HIGY, C. y REYNARD, E . (2014): *Hydrologie 1. Une science de la nature. Une gestion sociétale*. 2ª ed. Presses Polytechniques et Universitaires Romandes, Lausanne. 489 p.