

28320 - Hydrogeography

Syllabus Information

Academic Year: 2022/23

Subject: 28320 - Hydrogeography

Faculty / School: 103 - Facultad de Filosofía y Letras

Degree: 419 - Degree in Geography and Land Management

ECTS: 6.0

Year: 3

Semester: First semester

Subject Type: Compulsory

Module:

1. General information

2. Learning goals

3. Assessment (1st and 2nd call)

4. Methodology, learning tasks, syllabus and resources

4.1. 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 lectures, practical exercises, individual and group tasks, guided tasks, field work, autonomous work and study.

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

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.

4.2. Learning tasks

The course includes the following learning tasks:

- Lectures (32 hours)
- Seminars (4 hours)
- Individual and/or group tasks (20 hours)
- Guided tasks (24 hours)
- Field work (4 hours)
- Autonomous work and study (60 hours)
- Assessment tasks (6 hours)

4.3. Syllabus

The course will address the following topics:

1. HYDROLOGY AS A SCIENCE
2. THE HYDROLOGICAL CYCLE

3. CONTINENTAL HYDROLOGY
4. GLOBAL CHANGE AND WATER

4.4. Course planning and calendar

The course is divided into four sections. The first section runs during the first two weeks of the semester. The second section runs during the following five weeks. The section is taught during seven weeks. The final section develops during the final week of the course.

Further information concerning the timetable, classroom, office hours, 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' website (<https://fyl.unizar.es/horario-de-clases#overlay-context=horario-de-clases>)

4.5. 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.