



FICHA de la Asignatura

TITLE: GEOLOGY OF SPAIN. Tutor: Felipe González, Teodosio Donaire

ECTS: 6 , First Semester

Description

The geology of Spain is remarkably diverse and includes excellent examples of virtually all the geologic record, from Precambrian to Quaternary. This course is intended to provide good knowledge on the Geology of the Iberian Peninsula and its geologic evolution, taking in mind that Regional Geology is always pivotal for geoscientists.

Aims

The aim of this course is not other than providing student with a good background in the Geology of Spain, considering its record and evolution.

Learning outcomes

By the end of the module students should be able to:

- Analyze and synthesize geological information.
- Work in group.
- Critical thinking.
- Solve geological problems.
- Integrate geological information from several disciplines in a multidisciplinary model.
- Understand the time-space dimension of the principal geologic unit in Spain
- Correlate coeval geologic events from different basins or geologic context.
- Interpret geological events in a global context.
- Interpret field observations using the geological knowledge acquired in this course.



Syllabus indicative content

- ✧ Unit 1. Geologic of Spain
 - Time-Space distribution
- ✧ Unit 2. Stratigraphic, Tectonic, and Palaeogeographic evolution of the Iberian Peninsula
 - Principal geologic units
 - Precambrian
 - Palaeozoic
 - Mesozoic
 - Cenozoic
 - Cenozoic vulcanism in Spain
- ✧ Unit 3. Fieldtrip

Assessment

Exam (theory + problems) 60 %

Fieldtrip report 40 %

Reading list

- Dallmeyer, R.D. y Martínez García, E.** (eds) (1990) *Pre-Mesozoic Geology of Iberia*. Springer-Verlag, Berlín. 416 pp.
- Gibbons, W. y Moreno, T.** (eds) (2002) *The Geology of Spain*. Geological Society, London. 649 pp.
- Different authors** (1983 y 1987) *Geología de España*. Tomos I y II (Libro Jubilar J.M. Ríos). Instituto Geológico y Minero de España. Madrid.
- Vera, J.A.** (ed pral.) (2004) *Geología de España*. Sociedad Geológica de España; Instituto Geológico y Minero de España. Madrid.