

Geomorphology

Code: 104241
ECTS Credits: 6

| Degree | Type | Year | Semester |
|--|------|------|----------|
| 2503710 Geography, Environmental Management and Spatial Planning | OB | 2 | 1 |

Contact

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Use of Languages

Principal working language: catalan (cat)
Some groups entirely in English: No
Some groups entirely in Catalan: Yes
Some groups entirely in Spanish: No

Prerequisites

Have been enrolled and passed Introduction to Physical Geography in the first year.

Objectives and Contextualisation

The main objective of this subject is the knowledge of the main Catalan reliefs, both from the structural and climatic perspective.

Competences

- Critically analyse the relationship between society and the region applying the conceptual and theoretical framework of geography.
- Students must be capable of applying their knowledge to their work or vocation in a professional way and they should have building arguments and problem resolution skills within their area of study.
- Students must have and understand knowledge of an area of study built on the basis of general secondary education, and while it relies on some advanced textbooks it also includes some aspects coming from the forefront of its field of study.
- Work cooperatively in multidisciplinary teams.

Learning Outcomes

1. Describe and interpret changes in landscape.
2. Students must be capable of applying their knowledge to their work or vocation in a professional way and they should have building arguments and problem resolution skills within their area of study.
3. Students must have and understand knowledge of an area of study built on the basis of general secondary education, and while it relies on some advanced textbooks it also includes some aspects coming from the forefront of its field of study.
4. Work cooperatively in multidisciplinary teams.

Content

Field trip 1: Pirineu

Field trip 2: failed reliefs of depressió Prelitoral

Field trip 3: cuesta and jurassian reliefs around plana de Vic

Field trip 4: molassic reliefs in Montserrat

Field trip 5: diapirical reliefs in Cardona

Field trip 6: granite, karstic, volcanic and structural reliefs of Girona province

Theoretical dossier of world morphoclimate domains

Methodology

The methodology of this subject is fundamentally practical and is based on geomorphological field work. To support this main activity there is a set of notes uploaded to the virtual campus that will use to complete the theoretical corpus as well as the realization of a minimum number of sessions to know the photointerpretation technical.

Activities

| Title | Hours | ECTS | Learning Outcomes |
|--------------------------------------|-------|------|-------------------|
| Type: Directed | | | |
| Photointerpretation work | 10 | 0.4 | 1, 3, 2, 4 |
| Theory and practice in the field | 40 | 1.6 | 1, 3, 2, 4 |
| Type: Supervised | | | |
| Field work and computer and lab work | 40 | 1.6 | 1, 3, 2, 4 |
| Type: Autonomous | | | |
| Reports and examinations preparation | 40 | 1.6 | 1, 3, 2, 4 |

Assessment

The evaluation of field trip 1 will be optional

Plagiarism

The copying or plagiarism of material, both in the case of works and in the case of exams, constitute a crime that will be sanctioned with a zero to the activity. In the case of recidivism, the entire subject will be suspended. Let's remember that a "copy" is considered a work that reproduces all or most of the work of one or the other company / a. "Plagiarism" is the fact of presenting all or part of a text of an author as its own, without mentioning the sources, be on paper or in digital format.

Assessment Activities

| Title | Weighting | Hours | ECTS | Learning Outcomes |
|---------------------------|-----------|-------|------|-------------------|
| Field trip nº2 evaluation | 15% | 2 | 0.08 | 1, 3, 2, 4 |
| Field trip nº3 evaluation | 15% | 2 | 0.08 | 1, 3, 2, 4 |

| | | | | |
|---------------------------|-----|----|------|------------|
| Field trip nº4 evaluation | 15% | 2 | 0.08 | 1, 3, 2, 4 |
| Field trip nº5 evaluation | 15% | 2 | 0.08 | 1, 3, 2, 4 |
| Field trip nº6 evaluation | 15% | 2 | 0.08 | 1, 3, 2, 4 |
| Theoretical exam | 25% | 10 | 0.4 | 1, 3, 2, 4 |

Bibliography

Notes of the subject (AMBRÓS, S & DOMINGO, M)

TARBUCK i LUTGENS (2005) , Madrid: PrenticeCiencias de la Tierra.Una introducción a la Geología FísicaHall.

MIRÓ, M. i DOMINGO, M. (1985) , Barcelona: Oikos-Tau.Breviario de Geomorfologia

GUTIÉRREZ ELORZA, M. (2001) , Barcelona: Omega.Geomorfología climática2001)