

Geomorphology I

Code: 101063
ECTS Credits: 6

Degree	Type	Year	Semester
2500254 Geology	OB	2	1

Contact

Name: Joan Estalrich Lopez
Email: juan.estalrich@uab.cat

Use of Languages

Principal working language: spanish (spa)
Some groups entirely in English: No
Some groups entirely in Catalan: No
Some groups entirely in Spanish: No

Teachers

Joan Estalrich Lopez

Prerequisites

No prerequisites needed

Objectives and Contextualisation

Acquisition of basic knowledge of geomorphological forms and their originating processes

Competences

- Learn and apply the knowledge acquired, and use it to solve problems.
- Recognise geomorphological systems, interpret relief forms and evaluate the evolution of the landscape.
- Use geographical information systems applied to geology.

Learning Outcomes

1. Apply GIS techniques to geomorphology.
2. Discern the principal relief forms.
3. Interpret relief dynamics on different time and space scales.
4. Learn and apply the knowledge acquired, and use it to solve problems.

Content

- Models of landscape evolution
- Tectonic and lithological geomorphology

- Climatic geomorphology
- River geomorphology
- Slopes
- Karst
- Eolian geomorphology

Methodology

Lectures and guided activities

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Field work	7.5	0.3	1, 4, 2, 3
Lab work	19.5	0.78	1, 4, 2, 3
Lectures	26	1.04	4, 2, 3
Type: Supervised			
Tutorials	1	0.04	1, 4, 2, 3
Type: Autonomous			
Work study	88	3.52	1, 4, 2, 3

Assessment

Final exam only for students with a fail grade

Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
3 mid-term exams	95%	4	0.16	1, 4, 2, 3
Field work	5%	4	0.16	1, 4, 2, 3

Bibliography

Same as in the catalan version

Software

Excel