

Geomorphology I

Code: 101063
ECTS Credits: 6

2024/2025

Degree	Type	Year
2500254 Geology	OB	2

Contact

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Teachers

Joan Estalrich Lopez

Teaching groups languages

You can view this information at the [end](#) of this document.

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

Activities and Methodology

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

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.

Assessment

Continuous Assessment Activities

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

Final exam only for students with a fail grade

Bibliography

Same as in the catalan version

Software

Excel

Language list

Name	Group	Language	Semester	Turn
(PCAM) Field practices	1	Catalan	first semester	morning-mixed
(PLAB) Practical laboratories	1	Catalan	first semester	morning-mixed
(PLAB) Practical laboratories	2	Catalan	first semester	morning-mixed
(TE) Theory	1	Catalan	first semester	morning-mixed