SUBJECT TEACHING GUIDE

5206 - Geomorphological Processes

Degree in Geography and Land Planning

Academic year 2026 - 2027

1. IDENTIFYING DATA					
Degree	Degree in Geography and Land Planning			Type and Year	Compulsory. Year 2
Faculty	Faculty of Humanities				
Discipline	Theoretical and methodological Fundamentals in Geography				
Course unit title and code	5206 - Geomorphological Processes				
Number of ECTS credits allocated	6	Term		Semester based (2)	
Knowledge Field	History, archaeology, geography, philosophy and humanities				
Web					
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. GEOGRAFIA, URBANISMO Y ORDENACION DEL TERRITORIO
Name of lecturer	MANUEL GOMEZ LENDE
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Other lecturers	

4. OBJECTIVES
The aim of the course is to provide the keys to understanding the genesis of the terrestrial relief. Essentially, the aim is to familiarise students with the following aspects:
- To understand the essential processes that allow morphologies to be interpreted as dynamic phenomena.
- To understand the specific functioning of these processes and the factors that characterise them, determining the interactions between them.
- Establish the spatial and temporal dimension of geomorphological events in the different scalar environments.
- Relate the genesis of modelling forms and their current functioning with their possible evolution.

6. SUBJECT PROGRAM

CONTENTS	
1	INTRODUCTION
2	SLOPE PROCESSES
3	FLUVIAL PROCESSES
4	LITORAL PROCESSES
5	GLACIAL PROCESSES
6	GEOMORPHOLOGICAL PROCESSES AND GLOBAL CHANGE
7	Practical and theoretical exercises

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessment	%
The test will evaluate the degree of fulfilment of the objectives and skills acquired by the student. the student. It will therefore include both theoretical and practical content.	Written exam	Yes	Yes	50,00
Practical exercises to be carried out at the same time as the theoretical content. They will be set and developed in the classroom, although the student will have to complete them as independent work.	Work	Yes	Yes	40,00
Students, in groups of two, will work on a case study. The format of the presentation will be specified at the beginning of the course. The grade for this activity will be The grade for this activity will be the same for both members of the group.	Work	Yes	Yes	10,00
TOTAL				100,00

Observations

The PLE sessions consist of a field trip with several stops along the way to Llanes (Asturias)(subject to the availability of funding). Only in the event of a justified inconvenience will this component be assessed through the completion of a similar assignment, adapted to the student's circumstances. If the scheduled field trip cannot take place, alternative activities and their assessment methods will be considered within the course evaluation.
PLO sessions will be conducted in the Computer Labs of the Faculty of Philosophy and Letters.
To pass the course, it is necessary to participate in ALL scheduled activities and submit ALL associated exercises. Passing the exam is a mandatory requirement for the average grade to be calculated with the other assessment activities.
Fraudulent participation in assessment activities (plagiarism, appropriation of third-party information or information generated with AI without explicit citation, etc.) will result in a failing grade (0) for the course in the corresponding examination period. The evaluation and disciplinary procedures will be governed by the regulations of the University of Cantabria for such cases.Special care is recommended in the presentation of assignments and, in particular, in the correct use of materials (maps, graphs, tables) included therein (rigor in citing sources and their origin).
The evaluation of recoverable assignments in the extraordinary examination period will be the same as in the ordinary examination period. Students enrolled in several subjects from different years whose exams coincide will not be entitled to modify the established evaluation dates, nor to additional examination periods. Only the situations outlined in art. 22 of the UC regulations will be considered.

Observations for part-time students

In the event of any justified inconvenience on the part of the part-time students to carry out any of the practical activities described above, these parts will be
activities described, the assessment of these parts will be carried out by means of the evaluation of a similar work adapted to their conditions, and with the same weight in the final mark as the one applied in general,
adapted to their conditions, and with the same weight in the final mark as that applied in general.

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC

MANUALES

Anhert, F (1998). Introduction to Geomorphology. London: Arnold.
Atkinson, D. (2004). Weathering, slopes and landforms. London: Hodder and Stoughton.
Bull, W.B. (1991). Geomorphic Responses to Climatic Changes. Oxford: Oxford University Press.
Easterbrook, D.J. (1999). Surface processes and landforms. Upper Saddle River (N.J.): Prentice-Hall.
Embleton, C.; Thornes, J. (1979). Process in Geomorphology. London: Edward Arnold.
Gregory, K.J. (2010). The earth's land surface: Landforms and processes in geomorphology. London: SAGE.
Gregory, K.J.; Lewin, J. (2014). The basics of geomorphology. London: SAGE.
Gutiérrez Elorza, M. (2008) Geomorfología. Madrid: Pearson Educación.
Huggett, R.J. (2003). Fundamentals of geomorphology. London-New York: Routledge.
Pedraza Gilsanz, J. (1996). Geomorfología. Principios, métodos y aplicaciones. Madrid: Rueda.
Ritter, D.F.; Kochel, C.; Miller, J.R. (2011). Process geomorphology. Long Grove (IL): Waveland.
Sharma, V.K. (2010). Introduction to process geomorphology. Boca Raton (FL): Taylor & Francis.

DICCIONARIOS

Goudie, A. (1985). The encyclopaedic dictionary of Physical Geography. Oxford: Blackwell.
Whittow, J.B. (1988). Diccionario de Geografía Física. Madrid: Alianza Editorial.