

SUBJECT TEACHING GUIDE

5183 - Structural Geomorphology

Degree in Geography and Land Planning

Academic year 2024-2025

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	5183 - Structural Geomorphology				
Number of ECTS credits allocated	6	Term	Semester based (1)		
Web	http://aulavirtual.unican.es/				
Language of instruction	Spanish	English Friendly	No	Mode of delivery	Face-to-face

Department	DPTO. GEOGRAFIA, URBANISMO Y ORDENACION DEL TERRITORIO				
Name of lecturer	SEBASTIAN PEREZ DIAZ				
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Other lecturers					

3.1 LEARNING OUTCOMES

- Appropriate use of basic concepts and terms in geomorphological analysis.
- Handling of information sources, techniques, and instruments appropriate for the analysis of terrestrial relief.
- Evaluation of the processes that explain terrestrial relief.
- Knowledge and differentiation of the main types of terrestrial relief

4. OBJECTIVES

The primary objective of the course is to understand the landforms derived from the internal dynamics of the planet. Additionally, the student will acquire basic concepts and appropriate language for the study and analysis of the Geosphere and its application in Land Management. Finally, the course will aim to foster in the student a special sensitivity towards environmental issues.

6. SUBJECT PROGRAM	
CONTENTS	
1	<p>INTRODUCTION</p> <p>1.1. The study of terrestrial relief. 1.2. Basic concepts.</p>
2	<p>THE EARTH'S INTERNAL DYNAMICS AND ITS INFLUENCE ON LANDFORMS</p> <p>2.1. Origin and evolution of the Universe. 2.2. Internal dynamics: Plate Tectonics. 2.3. Materials of the Earth's crust. 2.4. Deformation structures of the Earth's crust.</p>
3	<p>THE GREAT MORPHOSTRUCTURAL ASSEMBLAGES OF THE PLANET</p> <p>3.1. Assemblages on continental crust. 3.2. Assemblages on oceanic crust.</p>
4	<p>STRUCTURAL RELIEFS</p> <p>4.1. Acinal Reliefs. 4.2. Monoclinial Reliefs. 4.3. Folded Reliefs. 4.4. Faulted Reliefs. 4.5. Reliefs in Mountain Range Structures.</p>
5	<p>LITHOLOGICAL RELIEFS</p> <p>5.1. Karstic Reliefs. 5.2. Volcanic Reliefs. 5.3. Reliefs on Granites.</p>
6	<p>INDEPENDENT WORK AND EVALUATION</p>

7. ASSESSMENT METHODS AND CRITERIA

Description	Type	Final Eval.	Reassessn	%
Description Continuous Assessment Activities	Others	No	Yes	40,00
Description Field Trip Report	Work	No	No	20,00
Description Exam	Written exam	Yes	Yes	40,00
TOTAL				100,00

Observations

Observations for part-time students

Attention and Evaluation of Part-Time Students

The attention and evaluation of students enrolled part-time in the course will be carried out in accordance with the regulations of the UC for such cases.

For students enrolled part-time, the same evaluation system as for other students is proposed. However, if part-time students cannot attend classes regularly and have difficulty keeping up with assignments during the course, they may choose to have the entire course evaluated on the official date established for the final evaluation. Thus, they will be evaluated both in the regular and extraordinary exam sessions following the tests established in this guide under conditions of recovery of non-final evaluation modalities. To do this, part-time students must communicate their interest in this evaluation model to the responsible professor during the first month of the course.

8. BIBLIOGRAPHY AND TEACHING MATERIALS

BASIC

- * García Fernández, J. (2006). Geomorfología Estructural. Barcelona: Ariel.
- * Martínez de Pisón, E. (1982). El relieve de la Tierra. Barcelona: Salvat, Colección Temas Clave, 75.
- * Martínez de Pisón, E.; Tello, B. (Eds.) (1986). Atlas de Geomorfología. Madrid: Alianza Editorial.
- * Serrano Cañadas, E. (1998). Geomorfología Estructural: una introducción. Tratamiento Gráfico del Documento