COURSE DISCRIPTION

1. GENERAL

SCHOOL	ENVIRONMENT, GEOGRAPHY AND APPLIED ECONOMICS		
DEPARTMENT	GEOGRAPHY		
LEVEL OF COURSE	Undergraduate		
COURSE CODE	ΓΦ0800	**SEMESTER**	5th
COURSE TITLE	GEOMORPHOLOGY		

STRUCTURE OF TEACHING ACTIVITIES	**TEACHING HOURS PER WEEK**	**NUMBER OF CREDITS ALLOCATED (ECTS)**
Lectures and Laboratory Classes	3	5

TYPE OF COURSE	Compulsory
PREREQUISITES	-
LANGUAGE OF INSTRUCTION	GREEK
COURSE OFFERED TO ERASMUS STUDENTS	YES (in English if required)
(URL)	https://www.geo.hua.gr/en/module/geomorphology/

2. EXPECTED LEARNING OUTCOMES

Learning outcomes

Describe the objectives of the course as well as the expected learning outcomes

After completing the course, the student will be able to:

● Describe exogenous and endogenous processes in the Earth's landscape, interpret their significance, their creation, and development, and differentiate the mechanisms that control these processes.

● Analyze how climate and environmental changes affect the evolution of the Earth system and its landscape.

● Evaluate how different time and space scales influence geomorphological processes.

● Explain and apply multiple geomorphological methods and techniques used in current research.

● Create and interpret a geomorphological map using modern methods and techniques.

● Promotion of free, creative, and inductive thinking

The students need to be able to:

● Search, analyze, and synthesize data and information, using the necessary technologies

● Adapt to new situations

●make decisions

●Work independently

- Work within a team
- Work in an international environment
- Work in an interdisciplinary environment
- Generate new research ideas
- Exercise critical thinking and self-criticism
- Promote free, creative, and inductive thinking

3. COURSE CONTENTS

The course examines topics related to geomorphology, such as the history and main concepts of geomorphology. It explores the development of landforms at different spatial and temporal scales, endogenous and exogenous processes, the mechanisms controlling them, and their interaction in shaping landforms and landscapes. It also addresses the interaction between geomorphological processes and climate, as well as the role of humans in landscape development. Fieldwork and laboratory methods related to geomorphology are included. The course covers various geomorphological environments such as karstic, fluvial, coastal, glacial, arid and hyper-arid, lacustrine, aeolian, volcanic, and extraterrestrial (planetary).

4. TEACHING AND ASSESSMENT METHODS

TYPE OF LECTURES	• In class lectures • Laboratory Lectures and Practice
ICT USE	Use of electronic tools in the teaching of both the theory and laboratory training (utilization of the internet). Utilization of the (eclass) platform both for education and communication with students.
TEACHING STRUCTURE	
ASSESSMENT METHODS	**Evaluation methods:** 1. Successful written final exam on the theory of the course, which includes a multiple-choice test (50%) 2. Evaluation of laboratory exercises (50%) 3. The evaluation criteria are subject to change and will be announced at the beginning of the semester.

Activity	***Hours per semester***
Lectures	39
Laboratory	23
Weekly assignments	23
Studying – personal work	42
TOTAL	***127***

5. RECOMMENDED READING

"Geomorphology: Applications in Geosciences", IN Greek, K.Pavlopoulos, 2011, p.784, Ed. ION 2011. ISBN 978-960-508-015-0.