

COURSE DISCRIPTION

1. GENERAL

SCHOOL	ENVIRONMENT, GEOGRAPHY AND APPLIED ECONOMICS		
DEPARTMENT	GEOGRAPHY		
LEVEL OF COURSE	Undergraduate		
COURSE CODE		SEMESTER	6 th
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	Physical Geography Climatology		
LANGUAGE OF INSTRUCTION	GREEK		
COURSE OFFERED TO ERASMUS STUDENTS	YES (in English and French)		
(URL)			

2. EXPECTED LEARNING OUTCOMES

<p>Learning outcomes <i>Describe the objectives of the course as well as the expected learning outcomes</i></p>
<p>After the completion of the course the student should be able to</p> <ul style="list-style-type: none"> • Describe the exogenous and endogenous processes in the landscape and their importance for landform creation and development, and distinguish the mechanisms that control these processes. • Analyze how variations in climate and environment affect the development of landforms • Assess how different scales of time and space affect geomorphological processes • Explain and apply geomorphological multi proxy methods used in research today • Create and read a geomorphological map using modern methods and techniques.

3. COURSE CONTENTS

<p>The course reviews topics within geomorphology such as history and main concepts of geomorphology; landform development at different spatial and time scales; endogenous and exogenous processes, their controlling mechanisms, and their interaction to form the landscape. Interaction between geomorphological processes and climate; the role of humans in landscape development; field and laboratory methods relevant to geomorphology.</p>
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Study different geomorphological environments as karstic, fluvial, coastal, glacial, arid and hyper arid, lacustrine, aeolian, volcanic and extraterrestrial.

4. TEACHING AND ASSESSMENT METHODS

TYPE OF LECTURES	In class lectures Laboratory Lectures and Practice	
ICT USE	ICT use, Internet use and e-class	
TEACHING STRUCTURE	Activity	Hours per semester
	Lectures	39
	Laboratory	13
	Weekly assignments	13
	Project-fieldtrip	27
	Studying	35
	TOTAL	127
ASSESSMENT METHODS	Assessment Language: Greek, English , French Assessment Methods The final rate of the course is computed by two parts as follows: Final written exams (70%) Weekly assignments and project (30%)	

5. RECOMMENDED READING

1. "Geomorphology: Applications in Geosciences", IN Greek, K.Pavlopoulos, 2011, p.784, Ed. ION 2011. ISBN 978-960-508-015-0.
2. "Mapping Geomorphological Environments" , K. Pavlopoulos, N. Evelpidou, A. Vassilopoulos, 2009, p.236, Springer 2009. ISBN 978-3-642-01950-0.