

COURSE DESCRIPTION

1. GENERAL

SCHOOL	ENVIRONMENT, GEOGRAPHY AND APPLIED ECONOMICS		
DEPARTMENT	GEOGRAPHY		
LEVEL OF COURSE	Undergraduate		
COURSE CODE	GF0601	SEMESTER	1 st
COURSE TITLE	PHYSICAL GEOGRAPHY		
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://eclass.hua.gr/courses/GEO126/		

2. EXPECTED LEARNING OUTCOMES

Learning outcomes

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

The course "Physical Geography" aims to introduce students to the basic concepts of individual disciplines of Physical Geography such as Climatology, Geology, and Oceanography. It is the first contact of the student with the planet earth and the factors (processes) that have shaped and continue to shape it.

In this course the student:

- acquires knowledge about the physical processes occurring both inside (internal) and on the surface of the earth (external),
- develops skills in reading a topographic map, designing and interpreting a topographic cross section (cross profile),
- learns to study geological maps and to design and interpret geological cross sections,
- learns to recognize basic geological features (such as faults, folds, rock types) in the field,
- becomes familiar with processing and interpreting primary data and drawing conclusions about physical processes.

3. COURSE CONTENTS

Classroom Lectures:

1. Genesis and structure of the Earth.
2. Continents and ocean basins.
3. The theory of Plate Tectonics.
4. Minerals and rocks.
5. Internal processes, volcanism, types of volcanic eruptions, earthquakes.
6. Tectonic characteristics, faults, folds.
7. External processes, weathering, erosion, and deposition.
8. Karstic processes, karst relief and karst landforms.
9. Introduction to Climatology, Climate, Climate Types.
10. Drainage networks.

Laboratory Class:

1. reading a topographic map,
2. construction of topographic cross sections (profiles),
3. reading a geological map and construction of geological cross sections,
4. study of the rainfall characteristics of Sterea Hellas (Central Greece),
5. study of the Santorini volcano.

4. TEACHING AND ASSESSMENT METHODS

TYPE OF LECTURES	<ul style="list-style-type: none"> • In class lectures • Laboratory Lectures and Practice • Teaching in the field (Field trip) 		
ICT USE	ICT use, Internet use and eclass		
TEACHING STRUCTURE	Activity	Hours per semester	
	Lectures	12	
	Laboratory	24	
	Field work	15	
	Weekly assignments	31	
	Studying – personal work	45	
	TOTAL	127	
ASSESSMENT METHODS	<p>Assessment Language: Greek</p> <p>Assessment Methods</p> <p>The basic assessment type of the course is the written examination at the end of the semester (3 hours) providing the 100% of the final grade.</p> <p>The examination includes both questions regarding the lectures (50%) and the laboratory (50%).</p> <p>Submission of weekly laboratory exercises is a necessary prerequisite for participation in the examination.</p> <p>The evaluation criteria are announced at the beginning of the semester.</p>		

5. RECOMMENDED READING

Vouvalidis, K. (2011). Physical Geography. Disigma Publications, Thessaloniki: 160p

Deritzakis, M., Lekkas, S. (2003). Investigating the Earth. Koralli Publications, Athens: 593p

Easterbrook, D. (1999). Surface Processes and Landforms. Second edition. Prentice Hall, New Jersey. 546 p.

McKnight, T., Hess, D. (2008). Physical Geography A landscape Appreciation. Virtual Field Trip Edition. Prentice Hall, N. Jersey. 611p.