COURSE DISCRIPTION

1. GENERAL

SCHOOL	ENVIRONMENT, GEOGRAPHY AND APPLIED ECONOMICS		
DEPARTMENT	GEOGRAPHY		
LEVEL OF COURSE	UNDERGRADUATE		
COURSE CODE	GE3000	**SEMESTER**	7th
COURSE TITLE	GEOARCHAEOLOGY		

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

TYPE OF COURSE	Optional
PREREQUISITES	-
LANGUAGE OF INSTRUCTION	GREEK
COURSE OFFERED TO ERASMUS STUDENTS	YES (in English if required)
(URL)	

2. EXPECTED LEARNING OUTCOMES

Learning outcomes

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

Geoarchaeology has defined as the application of earth science methods to solve archaeological problems. The goal is to reveal aspects of the intersection of the environmental matrix and past socio-economic systems and thus understand the past geography of an area. The methods involved are diverse, and field applications include geomorphology, climatology, geochronology, stratigraphy, pedology, sedimentology, and geoecology.

This course is intended to provide an introduction to some of these methods with emphasis given upon the reconstruction of ancient landscapes. The objective is to integrate all this methods and provide the students with the skills to study palaeoenvironments and particularly man-land interactions during antiquity.

3. COURSE CONTENTS

The classroom lectures include the following sections:

- Introductory concepts: the domain of geoarchaeology – the archaeological science.
- Paleoclimatology: glacial cycles – Quaternary climate. Dating techniques.
- Geoarchaeological foundations: natural sediments – paleosols – anthropogenic

sediments - site formation processes – stratigraphy. Man and environment in prehistory.
- Paleoenvironmental reconstruction: evidence for palaeoenvironmental changes – glacial and periglacial environments – aeolian environments – lakes – alluvial environments – coastal environments – caves and rockshelters.

Exercise courses include the following themes:
- field description of natural and anthropogenic sediments - field description of soils - microscopic techniques in sediment analysis.

4. TEACHING AND ASSESSMENT METHODS

TYPE OF LECTURES	• In class lectures • Laboratory Lectures and Practice
ICT USE	ICT use, Internet use and eclass
TEACHING STRUCTURE	

Activity	*Hours per semester*
Lectures	36
Laboratory	3
Weekly assignments	35
Study for the laboratory exercise	10
Studying – personal work – preparation for the exams	38
exams	3
TOTAL	***125***

ASSESSMENT METHODS	Assessment Language: Greek The basic assessment type of the course is the written examination at the end of the semester (3 hours).

5. RECOMMENDED READING

Books

Karkanas, P., 2010. Introduction to Geoarchaeology. Nefeli publishing.

Journals

Geoarcheology, Wiley
Archaeological and Anthropological Sciences, Springer
Mediterranean Archaeology and Archaeometry, Πανεπιστήμιο Αιγαίου.
Palaeogeography-Palaeoclimatology-Palaeoecology, Elsevier.