COURSE DISCRIPTION

1. GENERAL

SCHOOL	ENVIRONMENT, GEOGRAPHY AND APPLIED ECONOMICS		
DEPARTMENT	GEOGRAPHY		
LEVEL OF COURSE	UNDERGRADUATE		
COURSE CODE	GE1310	**SEMESTER**	6th, 8th
COURSE TITLE	GEOMORPHOLOGICAL MAPPING		

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

The main objective of the course is to introduce students to basic concepts of geomorphological methods and techniques in the resolution and confrontation of problems in applied researches and studies of geosciences.

In this course the student:

- develops skills on issues of geomorphological mapping, sampling and analysis of sediments and he/she can approach geomorphologic problems and select the methods and that techniques that will give them the possibility to understand the natural processes.

3. COURSE CONTENTS

Methodology of geomorphological mappings, reading and analyzing the cartographic data, air-photos, satellite images and ancient maps to recognized landforms. Geomorphological analysis and technical work (road construction, artificial reservoir and dams, harbour work). Contribution of geomorphology in the development of environmental studies

(brought matters, transport of sediments, slope erosion, wetlands, delta, re-establishment of mines of - quarries). Study of depositional and post depositional sedimentation processes, choice of analytical methods. Paleo-environmnetal reconstitution and interpretation of paleo-geographical maps. Geomorphological mapping, techniques and methodology. Symbols, scales using analog and digital maps. During the course a field trip at regions of great geomorphological interest is organised. The aim of the field trip is the assimilation of the theoretical knowledge, produce geomorphological maps and interpreted the geomorphological evolution of the study area.

4. TEACHING AND ASSESSMENT METHODS

<table>
<tr><td>TYPE OF LECTURES</td><td>In class lectures
Laboratory Lectures and Practice</td></tr>
<tr><td>ICT USE</td><td>ICT use, Internet use and eclass</td></tr>
<tr><td>TEACHING STRUCTURE</td><td><table><tr><th>Activity</th><th>Hours per semester</th></tr><tr><td>Lectures</td><td>26</td></tr><tr><td>Laboratory</td><td>13</td></tr><tr><td>Weekly assignments</td><td>40</td></tr><tr><td>Studying – personal work</td><td>43</td></tr><tr><td>Exams</td><td>3</td></tr><tr><td>TOTAL</td><td>125</td></tr></table></td></tr>
<tr><td>ASSESSMENT METHODS</td><td>Assessment Language: Greek

The basic assessment method is the written exam at the end of the semester (3 hours).</td></tr>
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5. RECOMMENDED READING

Books

Pavlopoulos, K., Evelpidou, N., Vassilopoulos, A. (2009) Mapping Geomorphological Environments, Springer.

Smith, M., Paron, P., Griffiths, J. (2011) Geomorphological Mapping, Methods and Applications, 1st edition, Elsevier.

Journals

Geomorphology, Elsevier

Journal of Maps, Taylor and Francis