

COURSE DISCRIPTION

1. GENERAL

SCHOOL	ENVIRONMENT, GEOGRAPHY AND APPLIED ECONOMICS		
DEPARTMENT	GEOGRAPHY		
LEVEL OF COURSE	Undergraduate		
COURSE CODE	FE0601	SEMESTER	2d
COURSE TITLE	INTRODUCTION TO CARTOGRAPHY		
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)			

2. EXPECTED LEARNING OUTCOMES

<p>Learning outcomes <i>Describe the objectives of the course as well as the expected learning outcomes</i></p>
<p>The aim of the course is to introduce cartography and to help students familiarise with the understanding of maps as well as map making. Cartography generally concerns the art, science and ethics of map creation and use. This course introduces issues related to the understanding, creation and use of maps, such as basic geodesy concepts, scale, cartographic projections, coordinate systems, the creation of thematic and choropleth maps as well as geocoding.</p>

3. COURSE CONTENTS

<ul style="list-style-type: none"> • Introduction to Cartography • Map Projections • Scale • Coordinate Systems • Types of Maps (thematic / topographic) • Choropleth Maps • Cartograms • Flow Maps • Visual perception and color. Cartographic symbols • Geocoding using R

- Mapping with QGIS

4. TEACHING AND ASSESSMENT METHODS

TYPE OF LECTURES	In class lectures	
ICT USE	Laboratory Lectures and Practice Internet use and e-class, use of software (R, QGIS)	
TEACHING STRUCTURE	<i>Activity</i>	<i>Hours per semester</i>
ASSESSMENT METHODS	Lectures	26
	Laboratory	13
	Project	30
	Studying	60
	TOTAL	129
ASSESSMENT METHODS	Assessment Language: Greek	
	<p>Assessment Methods</p> <p>The final grade is based on the following assessment:</p> <p>Final written exams (100%)</p> <p>Optional project</p> <p>The assessment criteria are announced at the start of the semester</p>	

5. RECOMMENDED READING

- Elements of Cartography, A. Robinson, J. Morrison, P. Muehrcke, A. Kimerling, S. Guptill
- ΑΝΑΛΥΤΙΚΗ ΧΑΡΤΟΓΡΑΦΙΑ, ΒΥΡΩΝΑΣ ΝΑΚΟΣ - ΚΑΛΛΙΠΟΣ