

COURSE OUTLINE

(1) General

School:	Social Sciences		
Academic Unit:	Geography		
Level of studies	Undergraduate		
Course Code:	GEO 340	Semester:	E
Course Title:	Geographic Visualisation		
Independent Teaching Activities	Weekly Teaching Hours	Credits	
Lecture	3		
	<i>Course total</i>	5	
Course Type:	Required Elective		
Prerequisite Courses:	None		
Language of Instruction and Examinations	Greek		
Is the course offered to Erasmus students:	No		
Course Website (Url):	https://geography.aegean.gr/pps/index_en.php?content=0&lesson=340		

(2) Learning Outcomes

Learning Outcomes

The course aims to introduce the forms of visualization of geographical events through three areas: cognitive, symbolic and virtual visualisation through examples and exercises..

General Competences

1. Search for, analysis and synthesis of data and information, with the use of the necessary technology
2. Adapting to new situations
3. Decision-making
4. Working independently
5. Team work
6. Working in an interdisciplinary environment
7. Production of new research ideas
8. Production of free, creative and inductive thinking

(3) Syllabus

Mental visualization of terrain involves spontaneous , reflective mapping space. In early years, approached its theoretical (behavioral geography), in the currents of modern geography . In a second time through exercises , learning is done making mental recording and decoding method results.

The symbolic representation refers to the rules and context of cartography . Trying to understand the mechanisms of terrain modeling , namely that through the didikasies image formation (psychology of form , Gestalt psychology), formed the framework of rules of cartographic visualization (graphic notation , Bertin).

The interactive and virtual visualization refers to the potential for reaching the site through logic simulation longitude incident, triadiastati montelopiissi , working at different scales and times. Goal is knowledge and handling technologies , the approach of the new production rules and understanding of the innovative approach of virtual visualization .

(4) Teaching and Learning Methods - Evaluation

Delivery: Real time classes, with natural presence (face to face)

Use of Information and Communication Technology:

Teaching Methods:

Activity	Semester workload
Project	20
Lecture	25
Laboratory practice	40
Non-supervised study	40
Tutorials	10
<i>Course total</i>	135

Student Performance Evaluation

weekly work 50% / Oral presentation 20% / Portfolio 30%

(5) Attached Bibliography

The art chronicle (2008), Ernst H. Gombrich, MIET, Athens.

Description of the image of the city (1999), Julia Stephen, Stephen Joseph, NTUA Press

The Art of Color (1998), Johannes Itten, ed EKKM, Athens.

Graphic Semiology (2007), Sidiropoulos G., Papazisis, Athens.

In the universe of technical images (2008), Vilém Flusser, Smili, Athens.

What happens next (1998), Dertouzos M, Livanis, Athens.

Terra Virtualis, the construction of the (1999) Skarpelos G., Nefeli, Athens