

COURSE OUTLINE

(1) General

School:	Social Sciences		
Academic Unit:	Geography		
Level of studies	Undergraduate		
Course Code:	GEO 446	Semester:	D
Course Title:	Infrastructures and spatial development		
Independent Teaching Activities	Weekly Teaching Hours	Credits	
Lecture		3	
Course total			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=446		

(2) Learning Outcomes

Learning Outcomes

Students after attending lectures and completing projects should be able to:

- Acquire knowledge on the different infrastructures and their roles in spatial development
- Comprehend the role of infrastructures in spatial development theories
- Become acquainted with the characteristics of development of different types of infrastructure networks
- Plan and complete a paper using scientific literature and empirical research

General Competences

1. Search for, analysis and synthesis of data and information, with the use of the necessary technology
2. Working independently
3. Working in an interdisciplinary environment
4. Project planning and management
5. Production of free, creative and inductive thinking

(3) Syllabus

Infrastructures: definitions, types of infrastructures (technical, technological, social, etc.). Theories of spatial development with emphasis on theories that bring forward the role of infrastructures. Impacts of infrastructure building in the environment, society, economy. Mathematical models for land use-transport, input-output etc., that are used in analysing infrastructure role. European and national infrastructure policies.

New trends on infrastructures.

In the projects that students will complete, the practical dimensions of some of the theoretical aspects will be explored.

(4) Teaching and Learning Methods - Evaluation

Delivery:	Face to face	
Use of Information and Communication Technology:		
Teaching Methods:	Activity	Semester workload
Lecture	39	
Project	70	
Non-supervised study	20	
Performance evaluation/Exams	3	
	Course total<	132
Student Performance Evaluation	Written exams and papers	

(5) Attached Bibliography

Σκαγιάννης Π (1994) Πολιτική Προγραμματισμού των Υποδομών, Σταμούλη Α.Ε.