



COURSE OUTLINE

(1) GENERAL

SCHOOL	School of Technology		
ACADEMIC UNIT	Department of Environmental Sciences		
LEVEL OF STUDIES	Undergraduate		
COURSE CODE	AY605	SEMESTER	6th
COURSE TITLE	ENVIRONMENTAL SPATIAL PLANNING		
INDEPENDENT TEACHING ACTIVITIES	WEEKLY TEACHING HOURS		CREDITS
Teaching Hours		4	5
COURSE TYPE	Special background		
PREREQUISITE COURSES	None		
LANGUAGE OF INSTRUCTION and EXAMINATIONS	Greek		
IS THE COURSE OFFERED TO ERASMUS STUDENTS	Yes		
COURSE WEBSITE (URL)	https://eclass.uth.gr/courses/ENV U 192		

(2) LEARNING OUTCOMES

Learning outcomes
The course focuses on the role of spatial planning in the prevention and management of critical environmental issues, particularly within the climate crisis context. Specifically, it presents the institutional framework and technical tools of the Greek and international spatial planning system with an emphasis on analyzing case studies of environmental management issues using contemporary spatial planning and geoinformatics tools. The analysis is carried out on the basis of spatial units with particular spatial and environmental characteristics: (a) coastal zones (b) mountainous areas (c) insular regions (d) areas that have experienced or are subject to significant levels of natural/technological risk. Upon successful completion of the course, students will have acquired specific knowledge, skills and competences, and will be able to: • Utilize existing institutional frameworks of spatial planning to address critical environmental issues. • Utilize geoinformatics and spatial analysis methods and techniques to optimize decision-making regarding the prevention and management of natural and technological disasters from the spatial planning perspective. • Develop plans to optimize the integration and management of environmental issues based on spatial planning and developmental processes.
General Competences
• Search for, analysis and synthesis of data and information, with the use of the necessary technology • Decision-making • Working independently • Team work • Production of new research ideas • Integration and protection of natural and cultural environment into spatial planning • Production of free, creative and inductive thinking

(3) SYLLABUS

• Introduction - General concepts. • Greek and international institutional framework for spatial planning - Environmental aspect of spatial planning. • Integrated management of coastal areas. Integrated development in insular/mountainous regions. • Utilization of geospatial technologies in the prevention and management of natural and technological disasters. • Case studies of spatial-environmental planning application.
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(4) TEACHING and LEARNING METHODS – EVALUATION

DELIVERY	Face-to-face	
USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY	• Use of PowerPoint slides • View material in video • Utilization of material from the internet • Communication with students via e-mail • Use of asynchronous distance learning (e-class)	
TEACHING METHODS	Activity	Semester workload
	Lectures	50
	Study and analysis of bibliography	15
	Team essay/report	60
	Course total (25 hours workload per credit)	125
STUDENT PERFORMANCE EVALUATION	Students' performance is evaluated in the Greek language. The final grade is determined by: • A written exam (at the end of the semester) that contributes 60% to the final grade, applying one or more of the following evaluation methods: Multiple-choice questions, short-answer questions, problem-solving. • Preparation and in-class presentation of a team essay/report that contributes 40% to the final grade. Final Grade = 60% Exam Grade + 40% Assignment Grade	

(5) ATTACHED BIBLIOGRAPHY

• Christofilopoulos, Dimitris G. (2002) <i>Cultural Environment – Spatial Planning and Sustainable Development</i>. Athens: P. N. Sakoulas Publications. ISBN: 9604201654. (in Greek) • Giannakopoulou, S., & Arvanitis, A. (2023) <i>Spatial Planning: Technical, Legal and Economic Dimensions</i> [Undergraduate textbook]. Kallipos, Open Academic Editions. ISBN: 978-618-5726-13-3. https://hdl.handle.net/11419/10277 (in Greek)
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