

2nd Semester
COURSE OUTLINE

1. GENERAL

SCHOOL	SCHOOL OF ENGINEERING		
DEPARTMENT	CRISIS & DISASTER PREVENTION AND MANAGEMENT: INNOVATIVE TECHNIQUES IN CIVIL PROTECTION		
LEVEL OF STUDIES	7 th		
COURSE CODE	CP06	SEMESTER	2nd
COURSE TITLE	FINANCIAL MANAGEMENT, REHABILITATION & STATE ASSISTANCE IN CRISIS AND DISASTERS		
TEACHING ACTIVITIES <i>If the ECTS Credits are distributed in distinct parts of the course e.g. lectures, labs etc. If the ECTS Credits are awarded to the whole course, then please indicate the teaching hours per week and the corresponding ECTS Credits</i>		TEACHING HOURS PER WEEK	ECTS CREDITS
		3	6
<i>Please, add lines if necessary. Teaching methods and organization of the course are described in section 4.</i>			
COURSE TYPE	Scientific area		
PREREQUISITES:	No		
TEACHING & EXAMINATION LANGUAGE:	Greek, English		
COURSE OFFERED TO ERASMUS STUDENTS:	Yes		
COURSE URL:	https://eclass.duth.gr/courses/		

2. LEARNING OUTCOMES

<p>Learning Outcomes</p> <p><i>Learning outcomes of the course are described, the specific knowledge, skills and abilities of an appropriate level that students will acquire after the successful completion of the course</i></p> <p><i>Consult Appendix A</i></p> <ul style="list-style-type: none"> • <i>Description of Tutorial Results Level for every study round according to the Qualification Context of the European Highest Education Area</i> • <i>Descriptive Indexes of 6th, 7th and 8th Level of the European Qualification Context of Lifelong Learning and Appendix B</i> • <i>Summary Guide for Writing Learning Outcomes</i> <p>The aim of the course is to supply the students with knowledge related to economic disaster management, infrastructure restoration and community recovery after natural and human-made disasters.</p> <p>Upon successful completion of the course the students will be able to:</p> <ul style="list-style-type: none"> • Analyze the economic impacts of disasters at the national and local level • Know/Understand the sources of funding and resources for the rehabilitation of affected areas
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- Develop strategies for the rehabilitation of infrastructure and the recovery of communities
- Be familiar with state aid, insurance and compensation programs
- Understand policies to support vulnerable populations during the recovery period
- Develop rehabilitation plans for affected areas
- Be able to evaluate, propose and implement sustainable adaptation strategies for affected areas and populations

General Skills

Taking into account the general skills that the graduate must have acquired (as listed in the Diploma Supplement and listed below), which of the following is the course intended for;

Search, analysis and synthesis of data and information, using the necessary technologies
Adaptation to new situations
Decision making
Autonomous work
Team work
Work in an international environment
Work in an interdisciplinary environment
Production of new research ideas

Project design and management
Respecting diversification and multiculturalism
Respecting natural environment
Demonstration of social, professional and moral responsibility and sensitivity in gender issues
Criticism and self – criticism practice
Promoting free, creative and inductive thinking

- Adapting to new situations
- Decision making
- Working in an interdisciplinary environment
- Project planning and management
- Respect for the natural environment
- Promoting free, creative and inductive thinking
- Teamwork
- Searching, analyzing and synthesizing data and information, using the necessary technologies

3. COURSE CONTENT

1. Basic concepts, public expenditure, government intervention
2. Methods of valuation of external economies
3. Applications of environmental valuation techniques
4. Cost-benefit analysis. Restoration costs
5. Damages, compensation and insurance
6. Financial instruments for rehabilitation and reconstruction of affected areas - Disaster bonds
7. Infrastructure and regional development
8. Crisis and economic disaster management by the European Union
9. Population management. Socio-demographic implications.

10. Rehabilitation plans
11. Government assistance, insurance and compensation programmes
12. Policies to support vulnerable populations
13. Strategies for infrastructure rehabilitation and community recovery

4. TEACHING and LEARNING METHODS – EVALUATION

TEACHING METHOD <i>Face to face, Distance learning, etc.</i>	Face to face, Distance learning	
USE OF INFORMATION & COMMUNICATIONS TECHNOLOGY (ICT)	ICT use in education and in communication with students. a. Digital slides b. βίντεο • MsTeams/ e-class, webmail	
TEACHING ORGANIZATION <i>The ways and methods of teaching are described in detail.</i> <i>Lectures, Seminars, Laboratory Exercise, Field Exercise, Bibliographic research & analysis, Tutoring, Internship (Placement), Clinical Exercise, Art Workshop, Interactive learning, Study visits, Study / creation, project, creation, project. Etc.</i> <i>The supervised and unsupervised workload per activity is indicated here, so that total workload per semester complies to ECTS standards.</i>	Activity	Semester workload
	Lectures	39
	Essay	60
	Bibliography research and analysis	78
	Examinations	3
	Total	180
STUDENT EVALUATION <i>Description of the evaluation process</i> <i>Assessment Language, Assessment Methods, Formative or Concluding, Multiple Choice Test, Short Answer Questions, Essay Development Questions, Problem Solving, Written Assignment, Essay / Report, Oral Exam, Presentation in audience, Laboratory Report, Clinical examination of a patient, Artistic interpretation, Other/Others</i> <i>Please indicate all relevant information about the course</i>	Evaluation language: Greek Student evaluation methods Summative 1. Written final exam (50%) 2. Written Assignments or Case Studies (50%) Students having ascertained dyslexia problems are examined with oral methods. Students have access to their essay at any time.	

5. PROPOSED LITERATURE

-Proposed literature :

- Mergos G. 2007. Socio – economic evaluation of investments and policies. Vol A'. E. Mpenou editions. Athens.
- Polyzos, S. 2003. Regional Development. Kritiki editions. Athens.
- Skidmore, M. (Ed). (2022). Handbook on the Economics of Disasters. Edward Elgar Publishing

-Related scientific journals:

Ecological Economics, Journal of Environmental Economics and Management, Mitigation and Adaptation Strategies for Global Change, Journal of Development Economics Risk Analysis Environmental and Resource Economics Natural Hazards Journal of Environmental Management [Economics of Disasters and Climate Change](#), [Environmental Sociology Human and Ecological Risk Assessment: An International Journal](#), International Journal of Disaster Risk Reduction