COURSE OUTLINE

(1) General

School:	Social Sciences		
Academic Unit:	Geography		
Level of studies	Undergraduate		
Course Code:	GEO 411	**Semester:**	G
Course Title:	Topics in Environmental Risk Management		
Independent Teaching Activities	**Weekly Teaching Hours**	**Credits**	
Lecture	3		
		Course total	5
Course Type:	Optional		
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=411		

(2) Learning Outcomes

Learning Outcomes

Problems underlying the human use, misuse and conservation of planet Earth, as related to risk management planning and geo-sciences.

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 international environment
7. Working in an interdisciplinary environment
8. Production of new research ideas
9. Project planning and management
10. Respect for difference and multiculturalism
11. Respect for the natural environment
12. Showing social, professional and ethical responsibility and sensitivity to gender issues

13. Criticism and self-criticism

14. Production of free, creative and inductive thinking

(3) Syllabus

Analysis of problems associated with the use, misuse and conservation of the environment. Natural and technological disasters. Hazard mitigation and vulnerability assessment. Human-environment interactions. Disturbance ecology and pollution. Global change and sustainable development. Health risks and safety. Nature conservation and renewable energy. Risk analysis systems. Emergency management and civil protection.

(4) Teaching and Learning Methods - Evaluation

Delivery:	Face to face.	
Use of Information and Communication Technology:	Risk analysis and emergency management information systems. ICT in teaching, presentations and communications with students.	
Teaching Methods:	**Activity**	**Semester workload**
Lecture	39	
Project	52	
Non-supervised study	39	
	Course total<	130
Student Performance Evaluation	The grade is determined according to class participation, oral presentation and written assignment of a semester-term case study.	

(5) Attached Bibliography

1. **Miller G. Tyler Jr. 2004. Environmental Sciences. Editing: Pavlopoulos K. ION Publications, Athens. ISBN: 978-960-411-517-4. 562 p.**
2. **Sapoutzaki K. 2009. Tomorrow at Risk: Natural and Technological Disasters in Europe and Greece. Publications Gutenberg, Athens. ISBN 978-960-01-1183-5. 396 p.**
3. Calow, P. 2001. Handbook of Environmental Risk Assessment and Management. Blackwell Science, Great Britain.
4. Dalezios, N.R. (editor). 2017. Environmental Hazards Methodologies for Risk Assessment and Management. International Water Association Publishing, London.
5. De Blij, H. 2005. Why Geography Matters. Oxford University Press, New York.
6. Forman, R.T.T., and M. Godron. 1986. Landscape Ecology. John Wiley & Sons, New York.
7. Freedman, B. 1995. Environmental Ecology: the Ecological Effects of Pollution, Disturbance, and other Stresses, 2nd edition. Academic Press, San Diego.
8. Goudie, A. 2001. The Human Impact on the Natural Environment, 5th edition. The MIT Press, Cambridge, Massachusetts.
9. Hoffman, S.M., and A. Oliver-Smith. 2002. Catastrophe & Culture: The Anthropology of Disaster. SAR Press – J. Currey Ltd, Oxford.
10. Mairota, P., J.B. Thornes, and N. Geeson. 1998. Atlas of Mediterranean Environments in Europe. John Wiley & Sons, West Sussex, England.
11. Southwick, C.H. 1996. Global Ecology in Human Perspective. Oxford University Press, New York.