



Course Code ENEM-430	Course Title Energy Safety and Risk Management	ECTS Credits 6
Department Life and Health Sciences	Semester TBA	Prerequisites None
Type of Course Major Requirement	Field Environmental and Energy Management	Language of Instruction English
Level of Course 1 st Cycle	Year of Study 4 th	Lecturer(s) Dr Marios Valiantis
Mode of Delivery face-to-face	Work Placement N/A	Co-requisites None

Objectives of the Course:

This course explores the growing concern with energy safety in an increasingly global energy market, in which the concept of sustainability has developed together with a higher awareness of environmental supply disruptions, price fluctuation, and threats to infrastructure safety.

Learning Outcomes:

On completion of this module, students are expected to be able to:

1. Examine energy safety/security in a privatized, liberalized, and increasingly global market
2. Investigate the key aspects of energy safety
3. Explore energy safety in its international and regional context
4. Examine energy safety concerns of various countries
5. Analyze how particular nations provide an economic and historical context for their energy safety concerns
6. Explore legal provisions relating to each of main energy sectors (oil, gas, coal, electricity, nuclear, and renewable energies).
7. Explain the way in which regulation, organization, and planning for energy safety shapes legislation and how the latter shapes other factors such as market liberalization, environmental protection, and competition policy

Course Content:

The growth concern for energy security, the concept of energy security, international and regional approaches to energy security and risk management, energy security and the development of international energy markets, shared competences and multi-faceted concepts, regional and national framework for energy security in Europe, national approaches to energy safety and risk management, energy safety and conflict with other values

Teaching Methods:

Lectures, In-class exercises, In-class discussions and homework

Assessment Methods:

Assignments, mid-term exam, final exam

Required Textbooks:

Authors	Title	Publisher	Year	ISBN
B. Barton, C. Redgwell, A. Ronne, and C. N. Zillman	<i>Energy Security: Managing Risk in a Dynamic Legal and Regulatory Environment</i>	Oxford University Press	2004	0-19-927161-5

Recommended Textbooks / Reading:

A. P. Vavilov, "Global Energy Security and International financial mechanisms of Risk Management", Institute for Financial Studies, 2008.

D. Fisk, Transport Energy Security - the Unseen Risk? CEPS 2004