University of Nicosia, Cyprus

Course Code	**Course Title**	**ECTS Credits**
ENEM-360	European Energy & Environmental Policy	6
Department	**Semester**	**Prerequisites**
Life and Health Sciences	Spring	None
Type of Course	**Field**	**Language of Instruction**
Major Requirement	Environmental and Energy Management	English
Level of Course	**Year of Study**	**Lecturer(s)**
1st Cycle	3d	Dr Marios Valiantis
Mode of Delivery	**Work Placement**	**Co-requisites**
face-to-face	N/A	None

Objectives of the Course:

To provide the student with a comprehensive understanding of EU energy strategies, the integration and liberalization of EU energy markets and their interdependence with EU Climate Change Policies

Learning Outcomes:

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

1. Analyze the EU energy mix and its medium/long term supply & demand dynamics on a Union and Member-State level, including the projection of European reserves, production and imports in all types of energy
2. Understand the EU regulatory frameworks governing different energy markets in oil, natural gas and electricity, including the dynamics, pricing mechanisms and structure of each market across various EU regions and individual states
3. Evaluate the interdependence between EU Energy policies and EU Climate Change Mitigation Strategies including the promotion of Energy Efficiency, Renewable Energy Sources (RES) and the EU-CTS (Carbon Trade System)
4. Comprehend the balance of power in terms of energy policy making authority between the European Commission, the European Parliament and the EU Member-States
5. Critically assess the impact of EU energy import dependency on the EU's CFSP (Common Foreign & Security Policy)

Course Content:

The EU's energy resources, reserves, production and consumption patterns and dynamics. Composition of primary energy supply & demand per energy source, country, and region, in oil, natural gas, coal/lignite, nuclear, and RES. The EU Energy Technology Policies. EU Crisis Management Mechanisms in the Oil, Natural Gas & Electricity sectors. The New EU Offshore Oil & Gas Regulation. The EU's Nuclear Energy Policy: The Impact of Fukushima. The process of liberalization and integration of the EU natural gas and electricity markets. The problem of market interconnectivity and EU Energy Infrastructure Policy. European Energy Policy Making: The Balance between the Commission and the Member-States.

The emergence of EU-wide regulatory institutions (ACER, ENTSO-G and ENTSO-E). The EU Climate Change Mitigation Strategies: The promotion of Energy Efficiency and RES. The European Carbon Trading System. Energy Security in the EU's Foreign Relations: The EU-Russian Energy Dialogue, the Energy Community Treaty Organization, The Euro-Mediterranean Energy Framework, The Energy Component of the Eastern Partnership Strategy. EU relations with OPEC, the Gas Exporting Countries Forum Organization, the I.E.A., the International Energy Forum Organization, and the Energy Charter Treaty Organization.

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
Vicki Birchfield & John Duffield (eds).	*Toward a Common European Union Energy Policy: Problems, Progress & Prospects*	New York: (Palgrave Macmillan, 2011)	2011	

Recommended Textbooks / Reading:

Andrew Dessler & Edward Parson, *The Science and Politics of Global Climate Change*, (Cambridge University Press: 2006)

International Energy Agency, *Harnessing Viable Renewables: A Guide to the Balancing Challenge,* Paris, (OECD: 2011)

International Atomic Energy Agency, *International Status and Prospects of Nuclear Power*, Vienna, (IAEA: 2010)

European Commission, *Assessment Study of Measures Concerning the Security of Gas Supply & Repealing Directive 2004/67/EC,* Brussels, (Energy Commission, Security of Supply Directorate: July 2009)

Websites:

International Energy Agency (http://www.iea.org)

European Commission, General Directorate for Energy (http://ec.europa.eu/energy/index_en.htm)

European Commission, Directorate General for Environment (http://ec.europa.eu/environment/index_en.htm)

U.S. Department of Energy, Energy Information Administration (http://www.eia.doe.gov)