MASTER EFC

COURSE TITLE: "Energy Policies"

PROFESSOR: Sophie Meritet **CREDITS:** 3

CLASS SCHEDULE:

ROOM NO:

OFFICE HOURS:

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CGEMP
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COURSE CONTENT:

This course focuses on energy policies in the world. It intends to provide students with the necessary skills to understand and analyze energy policies from different perspectives, ranging from users and energy firms to policy-makers. Issues discussed include the reliability and security of energy supplies that directly affect national and foreign policies, as well as national level environmental, economic, development and land use concerns. In addition, the policies, strategies, and programs adopted by both the public and the private sectors that directly impact our lives will be discussed.

The major themes that will be explored in this course are the links between energy policy, environmental policy, and antitrust policy, the energy policy making process, and the nature and operations of energy markets.

Classes will be a medley between topical presentation by faculty and invited speakers, and paper presentations and discussion by students on different national energy policies.

ORGANIZATION

The organization of the seminar is the following:

- First, a presentation of the fundamentals of energy policy: energy balances, objectives, driving forces, design, instruments, and evaluation. This will be followed by a discussion of supply and demand policies: security of supply, renewable energies policies, technological innovation, energy efficiency, demand side management strategies… A survey of energy policy modeling and in energy scenarios will be done.
- Throughout the course special emphasis will be put on sustainable energy policies and their interface with other policies: antitrust, deregulation – regulation …, as energy, the economy, and the environment are now closely linked. The course will explore these new key relationships (policy instruments, Kyoto Protocol).
- The last part of the class is devoted to student presentations on specific country energy policy.

LEARNING OUTCOMES

The objectives in this course are to understand:

- How energy is supplied, distributed, and used;
- The economic, social, and environmental consequences of such patterns;
- The role that public policy plays in creating, regulating, and sustaining or discouraging such patterns.

These issues will be explored in weekly lectures, weekly readings, and discussion sessions on the readings, an oral presentation, and a report. Through active engagement and interaction in these pursuits by students from a variety of disciplines, a broad perspective on key energy policies issues will be acquired.

TEXTBOOK: There is no required textbook.
A list of compulsory and additional readings can be found below each topic. Students should read the papers set out in the reading assignments before the class.
The lectures will be based on slides which will be available before the course begins.
There will be time for discussion during lectures.

ADMINISTRATIVE

Office: P.312. at Dauphine University
Email: sophie.meritet@dauphine.fr.
Office hours are flexible, so it is best to contact me via e-mail to arrange meetings, or ask me after class.

MODE OF ASSESSMENT

Assignment # 1: Oral group presentation (40%)
Assignment # 2: Final individual paper (60%)
Student work will focus on key regions and countries of the world, including North America, Western Europe, Eastern Europe, the Middle East, Brazil, Mexico, China, India, Japan, and Russia…Students will be asked to complete two assignments:

Assignment #1 – Group Project -Oral Presentation

Students will form groups of 2 to 5 (depending on the number of students) and make a class presentation based on their analysis. Each group will study and present the energy profile of a specific country or a key region.

Assignment #2 - Report

The report will be an analysis of a country's energy policy. It will be handed out at the end of the semester. It must be must a 15-20 page typed document and must be done individually. The weight off the assignment will be 60% of the final grade to underline its importance. The choice of the country will be discussed with the instructor and linked to the group presentation.

PLANNING

1		Seminar Introduction **Energy basics + Fundamentals of energy policy**: *current concerns, security, economy, environment*
2		**Supply**: *security of supply, resources, energy research and development, renewable energies…*
3		**Demand**: *demand side management, energy efficiency, indicators, sector approaches…* ***+ Student work group presentations***
4		**Economic** : *Regulation- deregulation of energy* ***+ Student work group presentations***
5		**Developing countries:** *energy poverty, large energy consumers, oil exports…* ***+ Student work group presentations***
6		**Antitrust policy:** *relevant market in energy industries, market power, concentration, mergers and acquisitions, diversification…* ***+ Student work group presentations***

DETAILED SEMINAR

1	Seminar Introduction **Energy basics + Fundamentals of energy policy: *current concerns, security, economy, environment***
Compulsory readings	BAMBERGER R. (2006), *Energy policy: conceptual framework, and continuing issues*, Congressional Research Service, The Library of Congress, RL31720. http://italy.usembassy.gov/pdf/other/RL31720.pdf
Additional readings	INTERNATIONAL ENERGY AGENCY, IEA (2005), 30 key energy trends in the IEA and worldwide, http://www.iea.org/textbase/nppdf/free/2005/energy_trends.pdf
2	**Supply**
Compulsory readings	EUROPEAN COMMISSION COMPETITION DG, (2006), "Green Paper : European Strategy for Sustainable, Competitive and Secure Energy", Bruxelles, http://ec.europa.eu/energy/green-paper-energy/doc/2006_03_08_gp_document_en.pdf
Additional readings	CHEVALIER J.M (2006)., "Security of energy supply for the European Union", European Review of Energy Markets, Volume 1: issue 3 – November 2006. http://www.dauphine.fr/cgemp/ PALMER K. & BULLAW D. (2005)", Cost-Effectiveness of Renewable Electricity Policies", Energy Economics, 27, pp. 873-894.

3	Demand
Compulsory readings	INTERNATIONAL ENERGY AGENCY, IEA (2008), Worldwide Trends in Energy Use and Efficiency: *Key Insights from IEA Indicator Analysis*
Additional readings	It will be indicated later
4	Regulation deregulation
Compulsory readings	JAMASB T. & POLLIT M. (2005), "*Electricity market reform in the European Union: review of progress toward liberalization and integration*", The Energy Journal, pp. 11-41. LOWE P. (2006), "*The Liberalisation of EU Energy Markets*", The Beesley Lectures, Institute of Economic Affairs, The Royal Society, November http://ec.europa.eu/comm/competition/speeches/text/sp2006_017_en.pdf
Additional readings	*JOSKOW P. (2007), "Lessons learned from electricity market liberalization",* December 8, 2007, MIT *www.econ-www.mit.edu/files/2093*
5	Developing countries
Compulsory readings	
Additional readings	DUDINE, P., J John, M LEWIS, L. MONASI, H. TADESSE and J. ZEUNER (2006), "Weathering the Storm So Far: The Impact of the 2003-2005 Oil Shock on Low Income Countries.", *Policy Development and Review Department. July 2006. IMF Washington. DC*
6	Antitrust policy
Compulsory readings	UNGERER H. (2006), "*Energy Competition Policy - Short Overview*", Stockholm Network, Brussels, 31October http://ec.europa.eu/comm/competition/speeches/text/sp2006_016_en.pdf NEWBERRY D. (2006), "*The relationship between regulation and competition policy for network utilities*", Working Paper University of Cambridge, n°06-11 http://www.electricitypolicy.org.uk/pubs/wp/eprg0611.pdf
Additional readings	SMEERS (2004),' "How well can one measure market power in restructured electricity systems?" November 2004. Paper, 81 pages, http://www.sessa.eu.com/documents/wp/D23.3_Smeers.pdf

BIBLIOGRAPHY

It will be indicated later