

Course Description

This course is designed to enable students to develop an understanding of sustainable energy split into two parts. The first half consists out of a series of introductory lectures to provide the students with a fundamental understanding of contemporary energy markets, policies and institutions. The lectures will analyze energy as a policy problem, focusing on market and environmental constraints, while introducing the alternative policy instruments and governing processes available for promoting a transition to sustainable energy systems. The second part of the course will be more interactive and engage the students in discussions on specific aspects of this transition which are prominent in the contemporary political discourse, such as environmental challenges or the diffusion of renewable energy technology in developing states. The course will conclude by a series of presentations, in which the students will apply the acquired knowledge to Individual country case studies, thereby identifying challenges and potential policy options for each case.

Learning Outcome

By the end of the course, students are expected to have a proper understanding of the actors, processes and institutions that shape sustainable energy governance on the global level. They should be able to:

- understand the key global energy challenges and the nature and development of global energy and climate policy;
- understand the energy policies that have been pursued by individual countries and multilateral institutions;
- develop a critical perspective of energy policies and understand the political, economic and environmental implications that the pursuit of different energy policies entails;
- contribute to contemporary policy debates on sustainable energy and identify potential policy responses required to govern energy.

Assessment

1. Attendance and active class participation (30%)
2. Mid-term exam (30%)
3. Final presentations of case studies (40%)

Course Readings

The lecturer will provide handouts and reading materials in advance of each class. Readings should be completed by the dates they are assigned, and students should be prepared to discuss material from the readings in lecture and discussion sessions. If necessary, some additional readings may be assigned later in the term.

Course Outline

Session	Outline
1	<i>Introduction and overview</i>
2	World energy outlook
3	Geopolitics and energy security
4	Institutional landscape of global energy policy: Part 1
5	Institutional landscape of global energy policy: Part 2
6	Energy economics and policy 1: Power sector transition and renewable energy integration
7	Energy economics and policy 2: Policies for renewable energy efficiency and renewable energy production
8	<i>Mid-term exam</i>
9	Renewable energy and sustainable development
10	Renewable energy and environment
11	Energy consumption 1: Energy saving - From knowledge to action or from action to knowledge?
12	Energy consumption 2: Energy efficiency
13	Energy democracy
14	<i>Case study presentations 1</i>
15	<i>Case study presentations 2</i>

Essential Reading

- Goldthau, A.; Witte, J.A. (2010): *Global Energy Governance: The New Rules of the Game*, Washington D.C.: Brookings Institution Press.
- Held, D.; Hervey, A. (eds.) (2011): *The Governance of Climate Change: Science, Economics, Politics & Ethics*, Cambridge: Polity Press.
- Helm, D.; Hepburn, C. (eds.) (2009): *The Economics and Politics of Climate Change*, Oxford: Oxford University Press.
- O’Keefe, P., O’Brien, G. (eds.) (2010): *The Future of Energy Use*, 2nd edition, London: Earthscan.
- Pascual, C.; Elkind, J. (eds.) (2010): *Energy Security: Economics, Politics, Strategies, and Implications*, Washington D.C.: Brookings Institution Press.
- Smil, V. (2010): *Energy Myths and Realities: Bringing Science to the Energy Policy Debate*.
- Yergin, D. (2008): *The Prize: The Epic Quest for Oil, Money & Power*, New York: Free Press.