ENERGY POLICY
(3 ECTS) *Elective*

Responsible person:

dr inż. Tomasz Mirowski

dr inż. Artur Wyrwa

dr inż. Jacek Kamiński

Learning outcomes:

The aim of the course is to give the students an understanding of the concept of energy policy and its key elements.

After completion of the course students should be able to:

- Understand how energy policy is designed
- Distinguish major agents that influence energy policy and their role
- Understand the power market design
- Recognize the environmental, economic and social problems related to energy use and understand fuel and energy rationalization policy.

Course main content:

The lecture deals with the major issues related to energy policy.
They will cover the following topics:

- Energy security
- Energy intensity of GDP production
- Market reforms in the energy sector
- Market power in the electricity markets
- Quantitative tools for design of energy policy
- Energy and environmental policy of the European Union (including Support Schemes for Renewable Energy Sources)
- Investment policy in the energy sector.

Admission requirements:

None

Literature:

Stoft S., Power System Economics – Designing Markets for Electricity. IEEE Press & WILEY-INTERNATIONAL 2002.

Belyaev L. S., Electricity Market Reforms – Economics and Policy Challenges. Spinger. London 2011.

Dahl C. A., International Energy Markets: Understanding Pricing, Policies and Profits, PenWell, Oklahoma 2004.

Lutz Mez, “Green Power Markets”. Multi-Science Publishing Co. Ltd., 2007.

Assessment:

- Written final test.
- Rules of final credit: The grade received from the final test.