MJ2416 Microeconomics and Energy Markets 5.0 credits

Mikroekonomi och energimarknader

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

Course syllabus for MJ2416 valid from Autumn 2015

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Industrial Management,Mechanical Engineering

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

After passing the course, the student should be able to: Demonstrate knowledge and understanding of the role of energy handling in global and regional contexts and its economic, social and environmental consequences.

Analyse and interpret events and political proposals on the energy markets by means of the economic tools (microeconomic concepts and models) that are provided.

Find and use the information about the energy markets.

Write about and debate economic issues that concern energy markets.

Course contents

1. Price elasticity.

2. Production costs.

3. Perfect competition.

4. Monopolies

5. Monopolistic competition

6. Oligopolies

7. State interventions in the energy markets.

i) State policies and imperfect competition: theory and practice in the energy markets

ii) State policies and external environmental costs: theory and practice in the energy markets

Specific prerequisites

BSc or the equivalent

Course literature

- Frank, Robert H. Microeconomics and Behavior. 9 edition, 2014

- Articles by S. Borenstein, P. Joskow, J. Bushnell & F. Wolak on Oligopoly in electricity whole salemarkets, the cost of renewable energy etc.

Examination

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.