FEG3323 Modern Electricity Markets, Major Graduate Course 10.0 credits

Moderna elmarknader, större doktorandkurs

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

Establishment

Course syllabus for FEG3323 valid from Autumn 2011

Grading scale

G

Education cycle

Third cycle

Specific prerequisites

The course is intended for Ph.D. students in electric power systems, but can also be interesting for students from other fields of electrical engineering.

Language of instruction

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

Intended learning outcomes

After the course, the student should be able to

- describe the development and latest trends in electricity market design and its connection to operation and planning of power system,
- give a presentation on a topic from the field,
- discuss a topic from the field with other researchers as well as engineers, economists and policy makers from the industry,
- provide an in-depth analysis and reflect upon different models and methods for electricity market design and planning and operation of power systems.

Course contents

Electricity market design, planning and operation of power systems, computational and simulation techniques relevant to analysis of modern electricity markets.

Disposition

Individual project.

Course literature

Technical reports and scientific publications.

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.

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

The result of the project is reported in a seminar as well as a technical report (about 20-40 pages) or a scientific paper.

Other requirements for final grade

- Approved seminar.
- Approved technical report.

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.