



# FEG3322 Modern Electricity Markets, Graduate Course 5.0 credits

Moderna elmarknader, doktorandkurs

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 FEG3322 valid from Autumn 2011

## Grading scale

## 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,
- analyse 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.

The result of the project is reported in a seminar as well as a technical report (about 10-20 pages)

## 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.