



# EG3323 Modern Electricity Markets, Major Graduate Course 10.0 credits

Moderna elmarknader, större doktorandkurs

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Course syllabus for EG3323 valid from Autumn 11

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

**Grading scale:**

**Education cycle:** Third cycle

## 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 main content

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

## Disposition

Individual project.

## Language of instruction

Language of instruction is specified in the course offering information in the course and programme directory.

## Eligibility

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.

## Literature

Technical reports and scientific publications.

## Examination

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

## Requirements for final grade

- Approved seminar.
- Approved technical report.