



# EG201X Degree Project in Electric Power Systems, Second Cycle 30.0 credits

Examensarbete inom elektriska energisystem, avancerad nivå

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 EG201X valid from Spring 2019

## Grading scale

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

## Education cycle

Second cycle

## Main field of study

Electrical Engineering

## Specific prerequisites

Program requirements. Further, depending on the subject area of the project, other compulsory and/or elective courses may be required.

## Language of instruction

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

## Intended learning outcomes

The aim of the course is to develop the student's ability to independently carry out and report a work effort within the area of Electric Power Systems (EPS).

Upon completion of this course, the student shall be able to:

- apply relevant knowledge and skills, within the area, to a given problem
- within given constraints, even with limited information, independently analyze and discuss complex inquiries/problems and handle larger problems on the advanced level within the area
- reflect on, evaluate, and critically assess one's own and others' scientific results
- document and present one's work with strict requirements on structure, format, and language usage
- identify one's need for further knowledge and continuously develop one's own knowledge.

## Course contents

The final degree project corresponds to five months' full-time studies, and is examined at KTH. It may be carried out either at KTH or in industry. The project must be presented in a written report, the Master's Thesis, and also orally in a seminar. The project shall consider a relevant problem within the area of Electric Power Systems. The focus of the work should be on investigation (theoretical and/or practical) and analysis.

## Examination

- XUPP - Examination Question, 30.0 credits, grading scale: A, B, C, D, E, FX, F

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 examination is based on the three criteria - process, contents, and presentation - defined by KTH. (For more information please visit [http://intra.kth.se/polopoly\\_fs/1.31698!bedomningsgrunder\\_och\\_kriterier\\_sv\\_eng.doc.pdf](http://intra.kth.se/polopoly_fs/1.31698!bedomningsgrunder_och_kriterier_sv_eng.doc.pdf))

## Other requirements for final grade

In order to pass the degree project, all three criteria must be met with a grade of sufficient or better. The final grade is a synthesis of the three evaluation areas.

The decision is taken in consultation between the examiner and the supervisor(s).

## **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.