



FEJ3200 Electrical Machines

Laboratory 5.0 credits

Laborationskurs i Elektriska maskiner

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

Establishment

Course syllabus for FEJ3200 valid from Spring 2008

Grading scale

G

Education cycle

Third cycle

Specific prerequisites

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:

- prepare theoretically and practically laboratory experiments
- carry out laboratory experiments on electrical machines

- present experiment results in a written report
- analyze possible causes of discrepancy in comparison to theory.

Course contents

The course consists of five laboratory tasks

- Synchronous machines
- Short-circuit of synchronous machine
- Transformers
- Induction machine
- DC Machines

Disposition

Laboratory exercises 36h

(Each task requires 8h of preparation and 4h of measurements)

Course literature

handouts of laboration PM

Equipment

-

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.

LAB1 (2 credits)

LAB1 (1.5 credits)

LAB1 (1.5 credits)

Other requirements for final grade

Three out of five laboratory tasks including preparations, measurements and writing a 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.