FEM3300 Research Seminars in Signal Processing I 5.0 credits

Forskningsseminarier i signalbehandling I

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

Establishment

Course syllabus for FEM3300 valid from Spring 2014

Grading scale

G

Education cycle

Third cycle

Specific prerequisites

PhD student in electrical engineering with a specialization in signal processing

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:

· Present a research problem and research results in an efficient manner and within allotted time

· Demonstate widened knowledge in signal processing

· Participate actively in research discussions

· Defend the research approach, design decisions, and the evaluation methods in a discussion

· Produce critical analyses and assess methods applied and results from their own and others' scientific studies

Course contents

Current research topics in signal processing, which will change from year to year.

Disposition

Weekly seminars 1 h, active participation every week and responsible for 2 seminars per year.

Course literature

Publications and technical reports related to the presented material.

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.

Other requirements for final grade

Two presentations per academic year. Attendance and active participation in all sessions. The course extends over two years.

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.