



# EQ2450 Seminars in Signals, Sensors and Systems 3.0 credits

Signaler, sensorer och system, seminarieriserie

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 EQ2450 valid from Autumn 2007

## Grading scale

P, F

## Education cycle

Second cycle

## Main field of study

Electrical Engineering

## Specific prerequisites

For single course students: 180 credits and documented proficiency in English B or equivalent

## Language of instruction

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

## Intended learning outcomes

The course wants to highlight the applications and research problems which currently are of high interest in industry. Invited speakers from industry and universities present their work and give personal views on the different areas.

Learning objectives:

After completing the course, the student should be able to:

- Show a good knowledge about the state of the art in research and development in the respective field.
- Show the ability to survey information in a specific technical area, critically assess and make personal reflections and judgments.

## Course contents

Speakers from universities and industry will be invited to present their current work. The contents are defined by the speakers. The course wants to reflect the current interest in research and development in industry in at least some areas with a focus towards signals, sensors, and systems. Since the activity in these fields is high, the contents of the course will naturally change from year to year.

Both more research and more product oriented talks will be given and the seminar series provide a good opportunity to increase the general knowledge in some of the more active areas of current interest. It also provides valuable contacts with different companies and some insight into potential tasks after completing the degree. The speakers may also say something about thesis projects opportunities. The course is being an excellent complementary to other courses in the area..

A mandatory individual essay assignment is part of the examination. The assignment consists of writing a short (3-4 pages) popular scientific survey of one or several of the topics that have been covered in the seminars. The text should be on a difficulty level such that it could be easily understood by other students taking similar specializations.

## Course literature

No mandatory reading.

## Examination

- ANN1 - Assignments, 1.5 credits, grading scale: P, F
- NÄR1 - Attendance, 1.5 credits, grading scale: P, 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.

## Other requirements for final grade

Active participation in at least 12 seminars (NÄR1, 1.5 ECTS credits, grading P/F).

A written essay (ANN1, 1.5 ECTS credits, grading P/F)

## 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.