

## **SYLLABUS**

# **Project in Signals and Systems 15 credits S7008E**

**Projekt i signaler och system**

**Course syllabus admitted: Autumn 2012 Sp 1 - Autumn 2012 Sp 2**

**DECISION DATE  
2012-03-14**

# Project in Signals and Systems 15 credits S7008E

## Projekt i signaler och system

### Second cycle, S7008E

**Education level**  
Second cycle

**Grade scale**  
U G#

**Subject**  
Signalbehandling

**Subject group (SCB)**  
Computer Technology

## Entry requirements

Degree of Bachelor of Science or correspondent within the subject area and considerable knowledge in the subject of Automatic control or Signal Processing corresponding to at least 22,5 ECTS credits within these subjects.

## Selection

The selection is based on 30-285 credits

## Examiner

Andreas Johansson

## Course Aim

The student should be able to:

- demonstrate the ability to , in groups, critically, independently and creatively identify , formulate and solve a problem in control theory or signal processing
- demonstrate an ability to identify the need for knowledge to solve a problem in control theory or signal processing
- demonstrate the ability to participate in development work and thereby contribute to the development of knowledge in control theory or signal processing
- demonstrate an ability to discuss and explain the development process , both orally and in writing with specialists as well as laymen.
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## Contents

The course depends heavily on the commitment of the participants. The examiner presents the tasks to be solved, based on suggestions from the students. Such a task can be a practical signal processing or control engineering problem or to make a deeper study of some theoretical subject. A study trip may also be included in the course. The course content will be specified, by the examiner, in a detailed course description at course start.

## Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

Regular accounts of the work progress are presented to the supervisor. The realization of the course will be specified, by the examiner, in a detailed course description at course start.

## Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided. Mandatory meetings with the supervisor for oral accounts of the work progress. The final result is presented with a written report, a seminar, and possibly a poster. The examination of the course will be specified, by the examiner, in a detailed course description at course start.

## Remarks

The course can not be combined with other project course at advanced level from the Department of Computer Science, Electrical and Space Engineering.

## Overlap

The course S7008E is equal to S7005E

## Literature. Valid from Autumn 2011 Sp 1

Project courses on advanced level at the Department of Computer Science Electrical and Space Engineering are of different character and can contain project work, seminars, and lectures. Therefore, it is hard to set the literature in advance. Contact the examiner for more information.

## Course offered by

Department of Computer Science, Electrical and Space Engineering

## Items/credits

Number	Type	Credits	Grade
0001	Project	15	U G#

## Study guidance

<http://www.ltu.se/csee/utbildning/kurser/projektkurser?l=en>

## Last revised

by Jonny Johansson, HUL SRT 2012-03-14

## Syllabus established

The syllabus was established by the Department of Computer Science and Electrical Engineering December 17, 2007 and is valid from Autumn semester 2008.