SYLLABUS

Special Studies in Signal Processing 7.5 credits S7010E

Fördjupningskurs i signalbehandling

Course syllabus admitted: Autumn 2021 Sp 1 - Present

DECISION DATE
2021-02-16

Luleå University of Technology 971 87 Luleå, Sweden
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LULEÅ TEKNISKA UNIVERSITET

Special Studies in Signal Processing 7.5 credits S7010E

Fördjupningskurs i signalbehandling

Second cycle, S7010E

Education level	Grade scale	Subject	Subject group (SCB)
Second cycle	G U 3 4 5	Signalbehandling	Computer Technology

Entry requirements

Completed courses of at least 120 credits including at least 15 credits in Signal Processing or equivalent.

Selection

The selection is based on 30-285 credits

Examiner

Johan Carlson

Course Aim

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

- independently assimilate new material at advanced level
- plan and carry out investigation or development work
- integrate and combine previously acquired knowledge in the field of Signal Processing
- apply in-depth knowledge in the field in calculations, simulations or design tasks.

Contents

The content of the special studies is specified in dialogue between the examiner and the student based on the student's specific prior knowledge. The work contains elements where the student integrates and combines previously acquired knowledge in order to perform calculations, simulations, or construction tasks within Signal Processing. The special studies courses are often given close to ongoing research projects at the Department of Computer Science, Electrical and Space Engineering.

Realization

Each course occasion´s language and form is stated and appear on the course page on Luleå University of Technology's website.
The student independently plans and conducts an investigation or development work with the examiner as support.

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.
Examination of the special studies takes place via written report.

Literature. Valid from Autumn 2021 Sp 1

No compulsory literature.

Course offered by

Department of Computer Science, Electrical and Space Engineering

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0002	Special studies	G U 3 4 5	7.5	Mandatory	A21	Yes

Last revised

by Jonny Johansson, HUL SRT 2021-02-16

Syllabus established

by huvudansvarig utb.ledare vid SRT, Jonny Johansson 2011-02-04