



# SF2827 Topics in Optimization

## 7.5 credits

Fördjupningskurs i optimering

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

### Establishment

Course syllabus for SF2827 valid from Autumn 2007

### Grading scale

A, B, C, D, E, FX, F

### Education cycle

Second cycle

### Main field of study

Mathematics

### Specific prerequisites

SF2812 and SF2822.

### Language of instruction

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

## Intended learning outcomes

To give the student special competence within a subfield of optimization.

To make the student familiar with reading research literature in optimization.

To give the student the ability to summarize and present scientific articles in talking as well as writing.

## Course contents

The contents of the course is given by a theme within optimization, which is determined by the student and the coordinator jointly. The theme may be individual for each student or common.

The student will acquire special competence within the field of his/her theme, and present the results in talking as well as in writing. The course is build on individual work of the students. The coordinator will give support and act as advisor.

Big emphasis is put on in-depth study of the field of the theme, as well as the presentations in talking and in writing.

## Course literature

To be announced at the start of the course. In general scientific articles and excerpts from books will be used.

## Examination

- PRO1 - Project, 7.5 credits, grading scale: A, B, C, D, E, FX, 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.

If the course is discontinued, students may request to be examined during the following two academic years.

## Other requirements for final grade

Projects (PRO1; 7,5 university credits).

## 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.