



# SI2531 Computational Physics, Additional Course 4.5 credits

## Beräkningsfysik, tilläggskurs

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 SI2531 valid from Autumn 2007

## Grading scale

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

## Education cycle

Second cycle

## Main field of study

Physics

## Specific prerequisites

Recommended prerequisites: Computational physics corresponding to SI2530 (5A1393).

## Language of instruction

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

## Intended learning outcomes

The aim with the course is to give deeper knowledge in some area of computational physics, experience and ability to solve problems in computational physics.

## Course contents

The student solves individually a problem that can be chosen freely from a list of suggested problems. The work includes literature studies, programming, simulations and compilation of a written summary of the results. The teaching consists of individual tuition.

## Examination

- PRO1 - Project, 4.5 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.

## Other requirements for final grade

Project work (PRO; 4,5 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.