



SF2566 Advanced Individual Course in Scientific Computing 6.0 credits

Avancerad individuell kurs i beräkningsteknik

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

The course syllabus is valid from Spring 2022 according to the school principal's decision:
S-2022-0529 Decision date: 2022-02-24

Grading scale

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

Education cycle

Second cycle

Main field of study

Mathematics, Technology

Specific prerequisites

English B / English 6
Depends on the contents of the project.

Language of instruction

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

Intended learning outcomes

This course gives an insight into some current research area or some practical activity where numerical methods have an important function. The course is designed individually depending on the prerequisites of the student and the teachers who are available at the school.

After the course the student should have

- studied the theory in the area, both in textbooks and in scientific articles
- if demanded performed numerical experiments, preferably on some real world problem
- summarized the experiences orally and written.

Course contents

Through this course students with a special interest area within the field of scientific computing can perform studies that have been individually defined for the specific student to fit his/her interests. Course contents and examination will be individually defined for each student. Students interested in taking the course are asked to contact first the person in charge of the corresponding specialization or some other teacher at Nada and then the person in charge of this course. The course can only be offered if Nada has sufficient resources and competence within the special interest area.

No instruction is given on this course.

Examination

- PRO1 - Project, 6.0 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.

In this course all the regulations of the code of honor, see: <http://www.sci.kth.se/institutioner/math/avd/na/utbildning/heder-skodex-for-studenter-och-larare-vid-kurser-pa-avdelningen-for-numerisk-analys-1.357185>

Other requirements for final grade

Since this is an individually formed course the examination will vary. The course is reported as exercises (PRO1; 6 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.