



# SF1502 Engineering Skills 6.0 credits

## Ingenjörnsrollen och ingenjörskunskap

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 Head of School at the SCI School has decided on 2020-06-22 to establish this syllabus as from HT 2020 (file number S-2020-0890).

## Decision to discontinue this course

<p>The decommissioning period commences during HT 2020, the last examination period is VT 2022 and after the last completed examination opportunity in HT2021/VT 2022, the course is discontinued.</p>

## Grading scale

P, F

## Education cycle

First cycle

## Main field of study

Technology

## Language of instruction

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

## Intended learning outcomes

On completion of the course, the student should be able to

- be able to make informed choices both during the study period and beyond
- critically review and reflect on the role of the engineer in a sustainable society
- account for the main features of the science theory and technology history
- identify and discuss ethical occupational problems
- plan and implement projects in a group
- document and present their work both in writing and orally
- reflect on their own learning and identify their need for further knowledge

## Course contents

Study technique, self-responsibility, self-development during a career, self-reflection, communication skills.

## Specific prerequisites

Only for students at study program COPEN.

## Examination

- PROA - Project, 1.5 credits, grading scale: P, F
- PROB - Project, 1.5 credits, grading scale: P, F
- PROC - Project, 1.5 credits, grading scale: P, F
- PROD - Project, 1.5 credits, grading scale: P, 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, the code of honour of the school is applied, see:

<https://www.kth.se/sci/institutioner/math/avd/na/utbildning/hederskodex-for-student-och-larare-vid-kurser-pa-avdelningen-for-numerisk-analys-1.357185>

## Other requirements for final grade

Projects (LABA; 1.5 credits, LABB; 1.5 credits, LABC; 1.5 credits, LABD; 1.5 credits).

## Transitional regulations

### **Approved oral and/or written presentation of homeworks**

The students will have the possibility to finish their remaining project tasks within the new course SA1007 Engineering Skills 6,0 credits. The examination of the course SF1502 will be carried out together with that of SA1007.

## 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.