



# II1308 Introduction to Programming 1.5 credits

## Introduktion till programmering

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

## Establishment

The official course syllabus is valid from the autumn semester 2026 as decided by the director of first and second cycle education. Decision date: 2026-03-25

## Grading scale

P, F

## Education cycle

First cycle

## Main field of study

Technology

## Specific prerequisites

## Intended learning outcomes

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

- use the command-line interpreter of the computer to solve simple assignments containing storing units, folders, and files

- explain and use basic programming concepts such as variables, data types, expressions, control structures, functions as well as input and output
- write and execute simple programs

in order to

- be able to work in the computer environment at KTH Royal Institute of Technology
- be prepared for courses where programming is included.

## Course contents

- Command interpreters in different environments: Windows, macOS, Linux. Navigation among units and folders. The concepts current folder, absolute and relative path. Differences in accessibility between local units and remote units. File types and file extensions How one creates, edits and saves a text files. How one starts and stops a programs. Redirecting output from a program to a file.
- Variables and data types. Expressions and variable assignment. Representation of characters and text. Control structures, functions and built-in data structures. Standard units for input and output.

## Examination

- LAB1 - Lab assignments, 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.

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

## 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.