



# DD1324 Applied Programming and Computer Science, Part 2

## 3.0 credits

Tillämpad programmering och datalogi, del 2

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 DD1324 valid from Spring 2009

### Grading scale

P, F

### Education cycle

First cycle

### Main field of study

Technology

### Specific prerequisites

### Language of instruction

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

## Intended learning outcomes

During this course we will teach you to:

- write structured programs in C
- implement and use hash tables and hash functions
- know about international programming standards
- systematically debug programs
- write automated test programs
- component programming

so that you will be able to:

- test computer systems
- continue study more advanced courses in computer science (internationally or nationally).

## Course contents

C-programming, type-directed programming, compiling and make-files. Program quality. Testing and debugging. System calls. Library functions. Hash.

## Examination

- LAB2 - Laboratory Work, 3.0 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.

## Other requirements for final grade

Laboratory work (LAB2; 3 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.

