



## Syllabus

### **DV0002.1 Introductory Programming, 4.5 credits**

#### **Grundläggande programmering**

The course is given as course independent of study programme

Syllabus discontinued 16 November 2006

Version 1 in Slukurs. Corresponds to version 1 in Ladok

#### **Syllabus approved**

5 June 2003

The version applies to students admitted from autumn 2003 to autumn 2007

The version is not a module version

#### **Subjects**

Computer science

#### **Education cycle**

First cycle

#### **Modules**

<b>Title</b>	<b>Code</b>	<b>Credits</b>
Single module	0101	4.5

#### **Advanced study in the main field**

#### **Grading scale**

Pass / Failed

The requirements for attaining different grades are described in the course assessment criteria which are contained in a supplement to the course syllabus. Current information on assessment criteria shall be made available at the start of the course.

## Language

Swedish

## Prior knowledge

3 credits basic algebra and 3 credits calculus of one variable, or equivalent.

## Objectives

To give

- fundamental knowledge and skills in programming and software development
- fundamental knowledge in algorithms and problem solving
- basic knowledge on computers and computer systems

## Content

Programming in C: datatypes, variables, assignments, selection, iteration. Input/output (I/O). Functions, arrays and pointers. Records, dynamic memory, linked structures. Programming style. Programming methodology: specification, analysis, design and testing.

## Implementation

The course consists of 30 hours of lectures, seminars and computer exercises. An important part of the accomplishment of the course is the mandatory assignments.

## Examination

### Requirements for examination

Written test and assignments.

Passed test and passed assignments.

- If the student fails a test, the examiner may give the student a supplementary assignment, provided this is possible and there is reason to do so.
- If the student has been granted special educational support because of a disability, the examiner has the right to offer the student an adapted test, or provide an alternative assessment.

- If changes are made to this course syllabus, or if the course is closed, SLU shall decide on transitional rules for examination of students admitted under this syllabus but who have not yet passed the course.
- For the examination of a degree project (independent project), the examiner may also allow the student to add supplemental information after the deadline. For more information on this, please refer to the regulations for education at Bachelor's and Master's level.

### **Additional information**

Some computer experience is expected.

- The right to take part in teaching and/or supervision only applies to the course date to which the student has been admitted and registered on.
- If there are special reasons, the student may take part in course components that require compulsory attendance at a later date. For more information on this, please refer to the regulations for education at Bachelor's and Master's level.

### **Responsible department**

Department of Energy and Technology

### **Supplementary Information**

*Finalized by:* Programnämnden för biosystemteknikprogrammet