

# Syllabus

for course at first level

**Computer Science, Degree Project**  
**Datalogi, självständigt arbete**

**15.0 Higher Education**  
**Credits**  
**15.0 ECTS credits**

<b>Course code:</b>	DA6006
<b>Valid from:</b>	Spring 2014
<b>Date of approval:</b>	2013-10-07
<b>Department</b>	Department of Mathematics (incl. Math. Statistics)
<b>Main field:</b>	Computer Science
<b>Specialisation:</b>	G2E - First cycle, has at least 60 credits in first-cycle course/s as entry requirements, contains degree project for BA/BSc

## Decision

This syllabus has been approved by the Board of the Faculty of Science at Stockholm University October 7, 2013.

## Prerequisites and special admittance requirements

For course admission knowledge equivalent to the following is required: a minimum of 135 HECs including the courses Software Engineering and Project Work (DA3015), Algorithms and Complexity (DA3004), Programming Paradigms (DA3012), Communication for Computer Scientists (DA3013), Database Technology (DA3014), Numerical Methods (BE3003), Mathematical Analysis III (MM5001), and Logic (MM7008).

## Course structure

Examination code	Name	Higher Education Credits
VETE	Scientific Method	1.5
PROJ	Project	13.5

## Course content

a. The contents of the course is decided by the supervisor in cooperation with the student, and can consist of a problem posed either by the department or an external interested party. Planning of the work shall be described in detail in a written specification and timetable, that shall be approved by the supervisor, examiner and, should the occasion arise, external interested party. In the course there is included a series of seminars on the concept of "scientific", as well as seminars at the department on research and presentation. The degree project is carried out individually.

b. The course consists of the following items:

- Scientific Method, 1.5 HECs
- Project, 13.5 HECs

## Learning outcomes

It is expected that the student after taking the course will be able to:

- acquire more profound knowledge and abilities of a computer science field,
- account for theoretical studies and in an individually written report, in Swedish or English, complying to established standards of design, language, typography and content, with a clear distinction between the

student's own work, the work of colleagues and background information,

- orally report project results with professional requirements on preparation, structure, style and time used, and with a clear definition of the student's own effort,
- demonstrate insight into the concept of "scientific".

### **Education**

The education consists of lectures, seminars and supervision of project work. Participation in seminar at the department on research and presentation is compulsory.

An examiner may rule that a student is not obliged to participate in certain compulsory education if there are special grounds for this.

The student is entitled to a minimum of 12 hours of tuition by the department supervisor.

In special circumstances, the student has the right to change supervisor. Such request should be made to the department board.

### **Forms of examination**

a. Examination for the course is in the following manner: Measurement of knowledge of the unit Project takes place through written and oral presentation at a seminar. Measurement of knowledge of the unit Scientific Method takes place through a written exam.

b. Grading is carried out according to a 7-point scale related to learning objectives:

A = Excellent  
B = Very Good  
C = Good  
D = Satisfactory  
E = Sufficient  
Fx = Fail  
F = Fail

c. Grading criteria for the course will be distributed at the start of the course.

The basic assessment criteria are:

- 1 Understanding of the assigned task.
- 2 Execution of the experiment/field work/theoretical task.
- 3 Knowledge of the theoretical background.
- 4 Interpretation and analysis of results.
- 5 Independence.
- 6 Ability to keep to the agreed timetable for the work.
- 7 Presentation – oral report.
- 8 Presentation – written report.

d. A minimum grade of E is required to pass the course together with approved attendance at a seminar series on the concept of "scientific", and participation in all other compulsory education.

e. Students who receive a failing grade on a regular examination are allowed to retake the examination as long as the course is still provided. The number of examination opportunities is not limited. Other mandatory course elements are equated with examinations. A student who has received a passing grade on an examination may not retake the examination to attain a higher grade. A student who has failed the same examination twice is entitled to have another examiner appointed. Such requests should be made to the departmental board. The course has at least two examinations for each academic year in the years in which instruction is provided. Intervening years include at least one examination.

f. Students awarded the grade Fx are given the opportunity to improve their grade to E. The examiner decides the supplementary assignments to be performed and the pass mark criteria. The supplementary assignments will take place before the next examination session.

### **Interim**

Students may request that the examination is carried out in accordance with this syllabus even after it has ceased to apply. This right is limited, however, to a maximum of three occasions during a two-year-period after the end of giving the course. A request for such examination must be sent to the departmental board.

### **Limitations**

The course may not be included in a Bachelor degree in Computer Science together with the course Degree Project in Computer Science (NA3240), Degree Project in Computer Science (NA4040), Computer Science,

Degree Project (DA6005), or the equivalents.

**Misc**

The course is a component of the Bachelor's Programme in Computer Science, and it can also be taken as an individual course.

**Required reading**

The literature is constituted by scientific publications and reports within the relevant field, found by the student through literature search, and literature distributed by the supervisor and/or external interested party.