

# Syllabus

for course at advanced level

**Cooperative IT Design**

**Kooperativ IT-design**

**9.0 Higher Education**

**Credits**

**9.0 ECTS credits**

<b>Course code:</b>	DA7031
<b>Valid from:</b>	Autumn 2011
<b>Date of approval:</b>	2011-01-17
<b>Department</b>	Department of Mathematics (incl. Math. Statistics)
<b>Main field:</b>	Computer Science
<b>Specialisation:</b>	A1F - Second cycle, has second-cycle course/s as entry requirements

## Decision

This syllabus has been approved by the Board of the Faculty of Science at Stockholm University, September 27, 2006, and revised October 15, 2007.

## Prerequisites and special admittance requirements

For course admission knowledge equivalent to the following is required:

- the item Human-Computer Interaction, within Computer Science, SL, 9 HECs (DA7015), or within Computer Science, SL, 18 HECs (DA7018), or Human-Computer Interaction II, SL, 30 HECs (DA7006) or
- 60 HECs within a subject of the humanities or social sciences.

## Course structure

Examination code	Name	Higher Education Credits
PROJ	Project Assignment	6
METO	Methodological Exercises	3

## Course content

a. The course covers methodological knowledge applied on an advanced human-computer interaction design project and aims to give knowledge and experience of methods for cooperative design in an innovative design process. The course will give experienced based knowledge on how to choose, combine and adapt user-centered methods during all phases of a multi-disciplinary design process.

b. The course consists of the following items:

- Methodological exercises, 3 HECs

Overview of different methods for cooperative design. Practical examples of user centered projects. Practical methodological exercises.

- Project assignment, 6 HECs

Project work in a multi-disciplinary project with user cooperation in all phases of the project, from a general described theme to a specific and finished result. The project will be reported in different media.

## Learning outcomes

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

- from a given context motivate, chose, combine, apply and adapt different user centered methods in order to

systematically include end-users in all phases of a system development process

- critically review and reflect on different examples of cooperative design
- motivate design decisions based on both fundamental knowledge of human-computer interaction, and results from different user centered methods
- plan, perform and critically judge a multi disciplinary project performed in close cooperation with the user group and other scientific competences

### **Education**

The education consists of lectures, methodological exercises, project meetings and project presentations.

Participation in methodological exercises and project presentations 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, after consultation with the relevant teacher.

### **Forms of examination**

a. Examination for the course is in the following manner: measurement of knowledge takes place through methodological exercises and implementation and presentation of the project assignment in different media.

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.

d. A minimum grade of E is required to pass the course.

e. Students who fail to achieve a pass grade in an ordinary examination have the right to take at least further four examinations, as long as the course is given. The term “examination” here is used to denote also other compulsory elements of the course. Students who have achieved a pass grade on an examination may not retake this examination in order to attempt to achieve a higher grade. Students who have failed to reach a pass grade on two occasions have the right to request that a different teacher be appointed to set the grade of the course. A request for such appointment must be sent to the departmental board.

### **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 degree together with the course User Centered Program Development, Specialized Course (NA4050).

### **Misc**

The course is given as an individual course.

### **Required reading**

Course literature is decided by the departmental board and is described in an appendix to the syllabus.