

Syllabus

for course at advanced level

Human-Computer Interaction I
Människa-datorinteraktion I

7.5 Higher Education
Credits
7.5 ECTS credits

Course code:	DA7041
Valid from:	Autumn 2011
Date of approval:	2011-01-17
Department	Department of Mathematics (incl. Math. Statistics)
Main field:	Computer Science
Specialisation:	A1N - Second cycle, has only first-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.

Prerequisites and special admittance requirements

For course admission knowledge equivalent to Computer Science II, FL, 15 HECs (DA3001) is required.

Course structure

Examination code	Name	Higher Education Credits
ILUP	Essays	4.5
LABO	Practical Work	3

Course content

a. The course covers: Theoretical and practical aspects of human cognitive capabilities and implications of using interactive computer systems, and how usability design can support the user to perform his/her tasks in a smooth way. The course gives an overview of theories of behavioural science and how they relate to design and use of interactive computer systems. Different forms of established practice within human-computer interaction will be in focus. The students learn to analyse user requirements and user interfaces and work situations and will work in a small design project.

b. The course consists of the following items:

- Essays, 4.5 HECs
- Practical Work, 3 HECs

Learning outcomes

It is expected that the student after taking the course:

- will be able to identify basic concepts within HCI
- in a given data material will be able to identify theories and methods within HCI
- in a given situation will be able to apply theories and methods within HCI
- will be able to relate theories and methods within HCI to other principles of systems development
- in a given situation will be able to identify and analyze possibilities of applying theories and methods
- make motivated reflections of relevant theories and methods within HCI
- will be able to relate theories and methods within HCI to economical and organizational factors
- will be able to make theoretically grounded reflections of HCI in order to market HCI in a diplomatic way

Education

The education consists of lectures, group education, exercises, seminars, presentations, submitted work, and practical exercises.

The education assumes that the students work independently and actively in parallel to the course schedule.

Participation in practical exercises, seminars, presentations and group education associated with this 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 written and/or oral submitted work, including written and/or oral presentations of group assignments, exercises, opposition on other student's assignments, and activity at seminars.

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, together with completion of practical exercises and all other compulsory education, followed by its presentation and award of a "Sufficient" grade.

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.

Misc

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

Required reading

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