DD1335 Basic Internet Programming 7.5 credits

Grundläggande internetprogrammering

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for DD1335 valid from Autumn 2009

Grading scale

A, B, C, D, E, FX, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

- General requirements, i.e. completed upper secondary education including documented proficiency in English A or equivalent and
- 6 hp course in Programming (e.g. Programming Technique, 2D1310/DD1310 or Program Construction 2D1311/DD1311).

Language of instruction

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

Intended learning outcomes

The course objective is to:

- Familiarise students with Internet structure and with basic protocols
- provide knowledge of and proficiency in basic techniques for the development of web-based applications,
- provide basic knowledge of construction techniques related to client-server applications

so that students can develop and create animated web pages and client-server applications

Course contents

Internet structure and history. Internet and its potential applications such as e-mail, news groups, chat, video, etc. Internet legislation and ethics. Internet and web development processes.

A run-through of basic WWW techniques such as HTML, DHTML, XML, CSS and JavaScript. Standards and de facto standards. Writing of interactive graphic applications
The use of basic protocols such as IP, TCP, UDP and multicast. The use of sockets, streams and URL. Client-server programming including Corba and RMI. Server programming with CGI.

Laboratory work dealing with e.g. construction of interactive interfaces, introduction to URL, sockets, message systems, CGI, DHTML and JavaScript.

Exercise where participants, working in groups, choose a moore advanced area and develop a larger application

Course literature

Will be announced at least 4 weeks before course start at the web page for the course.

Examination

- ÖVN1 - Exercises, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- LAB1 - Laboratory Work, 4.5 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.

If the course is discontinued, students may request to be examined during the following two academic years.

In this course all the regulations of the code of honor at the School of Computer science and Communication apply, see: http://www.kth.se/csc/student/hederskodex/1.17237?l=en_UK.

Other requirements for final grade

Laboratory work (LAB1; 4,5 university credits)
Exercises (ÖVN; 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.