



DD2390 Internet Programming 6.0 credits

Internetprogrammering

Course syllabus for DD2390 valid from Spring 13

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

Grading scale:

Education cycle: Second cycle

Main field of study: Computer Science and Engineering, Information Technology, Information and Communication Technology

Intended learning outcomes

After the course the students should be able to

- describe the principal structure of the internet and its most important protocols,
- use socket- and threadprogramming,
- explain the structure and function of the HTTP-protocol,
- develop a webpage with dynamic HTML,
- develop on Android,
- use cryptography with JSSE

so that they can

- develop a basic client-server system for the web.

Course main content

Basic knowledge of internet concepts such as protocol, datagram and internetworking. Socketprogramming, threadprogramming and chatprograms. HTML, CSS and javascript. Server-side programming with Java Server Pages. Applets and RMI. HTTP servers. PHP, Java EE. PKI, JSSE, SSL/TLS, Android.

Language of instruction

Language of instruction is specified in the course offering information in the course and programme directory.

Eligibility

Single course students: 90 university credits including 45 university credits in Mathematics or Information Technology. English B, or equivalent and Swedish B, or equivalent.

Literature

Course literature will be announced at course web page at least 4 weeks before course start. Previous year material produced at the department was used.

Examination

- LAB1 - Laboratory Work, 4.5 credits, grading scale: P, F
- PRO1 - Project, 1.5 credits, grading scale: P, F

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.