



# DD2390 Internet Programming 6.0 credits

## Internetprogrammering

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Course syllabus for DD2390 valid from Autumn 08

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.
- use distributed objects.
- 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. Cryptography with JSSE, SSL/TLS, HTTPS. XML and JAXP.

### **Language of instruction**

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

### **Eligibility**

### **Literature**

Will be notified at least 2 weeks before the course starts at course web page. The 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

## Requirements for final grade

Laboratory assignments (LAB1; 4,5 university credits).

Project work (PRO1; 1,5 university credits).