



# DD2390 Internet Programming 6.0 credits

## Internetprogrammering

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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](http://www.kth.se/csc/student/hederskodex/1.17237?l=en_UK).