



Course syllabus

Faculty Board of Science and Engineering
School of Computer Science, Physics and Mathematics

1DV445 Grundläggande nätverksteknik, 3 högskolepoäng
Fundamental Network Technology, 3 credits

Main field of study
Computer Science

Subject Group
Informatics/Computer and Systems Sciences

Level of classification
First Level

Progression
G1N

Date of Ratification
Approved by the Board of the School of Computer Science, Physics and Mathematics
2009-11-19

Revised 2011-08-17. Revision made for English translation of the syllabus, type of instruction and course evaluation.

The course syllabus is valid from spring semester 2012

Prerequisites
NO VALUE DEFINED

Objectives

The course aims to provide students with basic knowledge of IP-based data communications.

After the course the student should be able to:

- Identify and describe the basic IP addressing
- Describe the OSI model and its different layers

Content

The course covers the following areas:

- Introduction to Networking Technology
- Basic data communications
- Components of the network
- Basic network protocols

Practical application is implemented for some of the theoretical parts.

Type of Instruction

The course is taken as a distance learning course. The course uses a Web-based learning platform where all information and materials relating to the course is published.

Teaching is built completely around the material that is provided through the Internet. All activities such as assignments, discussions, presentations and interaction are done via the Internet. No physical meetings are planned. Distance education requires access to an Internet-connected computer, preferably equipped with headset and webcam.

Examination

The course is assessed with the grades Fail (U) or Pass (G).

For grade G (pass), the expected learning outcome has to be achieved.

In order to obtain a final grade, the student must have grade G (pass) on the exam.

On request, students may have their credits translated to ECTS-marks. Such a request must be sent to the examiner before the grading process starts.

Reexamination will be offered within six weeks under the regular semester periods. The number of examinations are limited to five times.

Course Evaluation

A course evaluation will be carried out at the end of the course in accordance with the guidelines of the University. The result of the course evaluation will be filed at the department.

Required Reading and Additional Study Material

Required Reading

Web-based materials are presented on the course website.