Linnæus University

Course syllabus

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

1DV426 Datorhårdvaruteknik, 7,5 högskolepoäng
Computer Hardware Technology, 7.5 credits

Main field of study
Computer Science

Subject Group
Informatics/Computer and Systems Sciences

Level of classification
First Level

Progression
G1F

Date of Ratification
Approved by the Board of the School of Computer Science, Physics and Mathematics 2009-06-23

Revised 2010-08-18. Revision made for English translation of the syllabus, prerequisites and course evaluation.

The course syllabus is valid from spring semester 2011

Prerequisites
Network Technology II (1DV418), 7.5 credits , Windows Administration II (1DV424), 7.5 credits, Linux Administration II (1DV421), 7.5 credits or the equivalent.

Expected learning outcomes
After finishing the course the student will be able to:

- manage network servers in terms of installation, configuration, upgrading, troubleshooting and maintenance of its hardware
- complete the above-mentioned goals related to security and high reliability in a network.

Content
Installation and maintenance of network servers and storage systems
Reliability and Availability
Safety aspects of the posts mentioned in the course
Laboratory work on the theoretical aspects raised in the course

Type of Instruction
Teaching is conducted in the form of seminars, lectures and laboratory exercises. Active participation in seminars and labs are mandatory and are graduates of these lessons.

Lectures will be given in Swedish.

Examination

The course is assessed with the grades U,3,4 or 5.
Grades are G (approved) and U (fail) for the elements of the course lab work and
seminars. The grades are 5 (five), 4 (four), 3 (three) and U (fail) for the written exam.
To receive a final grade the student must receive at least grade three on the exam, the
grade G on lab work and a G rating in the seminars.
Course Exam
The course is examined through the course participant writes a written exam. Student at
Linnaeus University are entitled to have its rating for price translated into the seven-
point ECTS scale. In order to get their scores translated the student will submit a
request to the teacher at the beginning of the course.
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 Literature

Mueller, Scott, Soper, Mark Edward & Sosinsky, Barrie (2006) *Upgrading and
repairing servers.* Que Publishing

The Required Reading and Additional Study Material are subject to changes.