



## Course syllabus

Faculty of Technology

Department of Computer Science and Media Technology

1DV720 Serveradministration, 7,5 högskolepoäng

1DV720 Server administration, 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 Faculty of Technology 2015-05-22

The course syllabus is valid from spring semester 2016

**Prerequisites**

1DV506 Problem Solving and Programming (7,5 credits), 1DV700 Computer Security (7,5 credits) and 1DV512 Operating Systems (7,5 credits) or equivalent.

## Objectives

Upon completion of the course the student should be able to:

- account for appropriate methods for the management of servers,
- automate daily administrative tasks,
- setup and administration of a directory services,
- setup and administration of a several server services, and
- identify and deal with security problems in a server environment.

## Content

The course includes the following parts.

- fundamentals of server operating system administration
- automation of daily management tasks in an operating system
- management and the installation of services in server operating system
- security threats and tools

## Type of Instruction

Teaching consists of lectures, seminars and laboratory exercises. Laboratory work are individual or carried out in groups. Attendance at some activities is mandatory.

## Examination

The course is assessed with the grades A, B, C, D, E, Fx or F.

The grade A constitutes the highest grade on the scale and the remaining grades follow in descending order where the grade E is the lowest grade on the scale that will result in a pass. The grade F means that the student's performance is assessed as fail (i.e. received the grade F).

Assessment of the student's performance is made through written examination and/or assignments which are presented orally and/or in written form. The assessment method is decided at the start of the course.

## Course Evaluation

During the course or in close connection to the course, a course evaluation is to be carried out. The result and analysis of the course evaluation are to be communicated to the students who have taken the course and to the students who are to participate in the course the next time it is offered. The course evaluation is carried out anonymously. The compiled report will be filed at the Faculty.

## Credit Overlap

The course cannot be included in a degree along with the following course/courses of which the content fully, or partly, corresponds to the content of this course: 1DV020 Server administration, 7.5 credits

## Other

Grade criteria for the A–F scale are communicated to the student through a special document. The student is to be informed about the grade criteria for the course by the start of the course at the latest.

## Required Reading and Additional Study Material

### Required Reading

Limoncelli, Thomas A.; Hogan , Christina J.; Chalup, Strata R. *The Practice of System and Network Administration*, Addison-Wesley Professional, latest edition.