



## Course syllabus

Faculty of Technology  
Department of Computer Science

1DV020 Serveradministration, 7,5 högskolepoäng  
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 2014-08-26  
The course syllabus is valid from spring semester 2015

### **Prerequisites**

1DV006 Problem Solving and Programming (7,5 credits), 1DV200 Computer Security (7,5 credits) and 1DV012 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 Fail (U), Pass (G) or Pass with Distinction (VG).

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.

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.

### Course Evaluation

A course evaluation will be carried out and compiled after the course is completed. The compilation will be presented to the current board as well as to the students and filed.

### 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.