Linnæus University

Course syllabus

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

1DV444 Driftsätta och administrera webbsajter, 7,5 högskolepoäng
Deploy and Manage Web Sites, 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 2009-11-19

Revised 2011-05-13. Revision made for English translation of the syllabus and course evaluation.

The course syllabus is valid from autumn semester 2011

Prerequisites
1DV445 Fundamental Network Technology 3 credits or equivalent.

Expected learning outcomes
This course provides skills to deploy and manage websites. After completing this course the students expects to be able to:

- handle domain name registration
- administering A records in DNS Servers
- understand the basic management of various web servers
- make the right decision when choosing web hosting.

Content
The theory provides the fundamental principles, which are used as the basis for the creation of self-knowledge, which is then used during the practical application. The practical application consists of an individual's work in the form of a project.

The course is divided into five modules with the following contents:
Module 1 Internet Technology

- Basic knowledge of Internet

- History
- The structure of the Internet

Module 2 Domain Name Registration and DNS Management

- Domain Name Registration
- Redirection of the domain name
- DNS
- Records
- DNS delegation

Module 3 Web Server

- Create and manage Web sites
- Resource and Application Pools
- Security
- HTTPS, Certificates, limitations with certificate and self-signed certificate

Module 4 Web Hosting and VPS

- Web hosting, VPS, Dedicated and Colocation
- Choice of web hosting

Module 5 Project

- Deploying and managing a web site

Type of Instruction
The course is available on campus or distance. The course uses a Web-based teaching platform where all information and materials relating to the course is published.

Instruction is built entirely on material provided through the Internet. Activities such as submissions, discussions and presentations are made over the Internet and no physical meetings are planned. Distance education requires access to Internet-connected computer equipped with a headset and webcam.

Examination
The course is assessed with the grades U,3,4 or 5.
For grade 3, the expected learning outcomes should be achieved.

Grades are given after the completion of the course and based on the results of the reported practical application. In order to obtain at least grade 3, all required assignments must be completed and approved.

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 provided on the course website.