Linnæus University

Course syllabus

Faculty Board of Science and Engineering

School of Computer Science, Physics and Mathematics

1DV419 Systemadministration med PowerShell, 7,5 högskolepoäng
1DV419 Systemadministration with PowerShell, 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 2009-06-23
Revised 2010-08-20 by School of Computer Science, Physics and Mathematics.
Revision made for English translation of the syllabus, prerequisites and course
evaluation.
The course syllabus is valid from spring semester 2011

Prerequisites
Windows Administration I (1DV416), 7.5 credits, Starting Out with C# (1DV402), 7.5
credits or equivalent.

Objectives
The course gives basic knowledge in system administration with PowerShell based on
Microsoft. NET Framework.
The student is expected after completion of the course:

- using the built-in cmdlets to execute commands
- write scripts to handle repetitive tasks
- manage network devices with Windows Management Instrumentation (WMI)
- manage users, groups, and other components of Active Directory.

Content
Introduction to scripting and programming structures in PowerShell. This course
contains elements of syntax, the handling of script files, cmdlets, Windows
Management Instrumentation (WMI), Active Directory management, automation of

tasks

Type of Instruction
Teaching is conducted through lectures, labs and projects. Active participation in projects is mandatory.

Examination
The course is assessed with the grades U, 3, 4 or 5.

Lesson will be examined through presentations of assignments and projects.
The grades are G (pass) and U (fail) for the elements of the course. The final score is after completion of all items and based on the overall results achieved.

Student at Linnaeus University are entitled to have their scores of course translated into the seven-step ECTS-scale. In order to get their scores translated the student will submit a request to teacher at the start.

Re-examination offered within six weeks under the regular semester periods. The number 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
Additional study material
Web-based materials are provided on the course website.

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