Linnæus University

Course syllabus

Faculty Board of Science and Engineering

School of Computer Science, Physics and Mathematics

1DV408 Webbutveckling med PHP, 7,5 högskolepoäng
1DV408 Web Development with PHP, 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 2009-11-19
Revised 2011-05-13 by School of Computer Science, Physics and Mathematics.
Revision made for English translation of the syllabus and course evaluation.
The course syllabus is valid from autumn semester 2011

Prerequisites
30 credits in Computer Science including 1DV402 Starting Out with C#, 7.5 credits, 1DV405 Database Engineering, 7.5 credits and 1DV403 Web Technology I, 7.5 credits or equivalent.

Objectives
After the course the student is expected to be able to create dynamic websites with PHP.

Content
The course is divided into two subcourses.

Module 1 Practical Assignments 3 credits
The labcourse consists of laboratory work and seminars

- PHP Syntax
- Object Oriented PHP
- PHP and MySQL
- Security and availability in Web Applications

- Testing
- Model View Controller

Module 2 Project 4.5 credits
During the project the student creates a webapplication with PHP and MySQL.

Type of Instruction
The course uses internet as distributionplatform and can be read on campus or as distance learning.

On campus teaching is conducted through lectures, seminars, laboratory work.
The distance learning course consists of online materials, remote seminars, tutorials and laboratory sessions.

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

For grade 3, the expected learning outcome has to be achieved.

The grades are G (pass) and U (fail) for
laboratory work. The grades are 5 (five), 4 (four), 3 (three) and U (fail) for the written examination. To receive a final grade less than grade 3 on the exam and grade G on labs.

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 is 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
Reference Literature
Hayder, Hasin (2007) *Object-Oriented Programming with PHP5.* ISBN: 978-1-847192-56-1.

Additional Study Material
Web-based materials are provided on the course website.