



Course syllabus

Faculty of Technology
Department of Computer Science

1DV608 Webbutveckling med PHP, 7,5 högskolepoäng
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 by Faculty of Technology 2014-12-08
The course syllabus is valid from autumn semester 2015

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 or 1DV506 Problem Solving and Programming, 7.5 credits and 1DV507 Programming and Data Structures, 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 distribution platform 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 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 student performance is made through laboratory experiment and project examination.

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.

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

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.