



## Course syllabus

Faculty Board of Science and Engineering

School of Computer Science, Physics and Mathematics

1DV411 Webbprojekt I, 7,5 högskolepoäng

1DV411 Web Project I, 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**

ASP.NET Webforms (1DV406), 7.5 credits, ASP.NET MVC (1DV409), 7.5 credits or Web Development with PHP (1DV408), 7.5 credits, Object Oriented Analysis and Design using UML (1DV407), 7.5 credits or equivalent.

## Objectives

After the course, course participants shall have:

- the ability to analyze a practical problem and find different solutions
- the ability to choose the appropriate solution based on existing conditions
- the ability to carry out a group project
- the ability to produce appropriate written project documentation
- the ability to present the approach, both in writing and orally.

## Content

Major components of the project is:

Theoretical prerequisites

- Iterative software development
- Object oriented analysis and design
- XHTML/XML
- modeling and implementation of databases
- serverside programming for example php or ASP.Net.

#### Implementation

- project management and project planning
- documentation of project work in various artifacts
- Goal and stakeholder analysis.

#### Presentation

- presenting technical information in a way so that it can be understood by various stakeholders
- oral presentation in front of an audience of important project artifacts and project deliverables, demonstration of working product.

### Type of Instruction

The course is using the Internet as a form of distribution and the course can be read either on campus or as a distans course.

On campus teaching consists of online materials, lectures, tutoring and seminars.

The distance education course consists of online materials, tutoring sessions and final seminar and project presentation at the institution.

### Examination

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

For the passing grade the student must actively participate in the project, implement and present the project outcome including mandatory documentation. Attendance is mandatory at scheduled meetings with project supervisors.

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 semester dates and limited to five occasions.

### 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.

#### Reference Literature

Löw, M. (2003) *Att leda och arbeta i projekt*. Liber AB. ISBN: 91-47-07308-X  
 TNC 100 (Senaste upplagan) *Skrivregler för svenska och engelska från TNC*.  
 Terminologicentrum TNC. ISBN: 91-7196-100-3

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