



Course syllabus

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

2DV012 Programmering för web 2.0, 7,5 högskolepoäng
Web 2.0 Programming, 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
2009-12-01

Revised 2010-11-26. Revision made for prerequisites and course evaluation.

The course syllabus is valid from autumn semester 2011

Prerequisites

Problem Solving and Programming 7.5 credits (1DV006), Programming and Data Structures 7.5 credits (1DV007), and Database Theory 7.5 credits (1DV013) or the equivalent.

Expected learning outcomes

After the course the student should be able to:

- use techniques and platforms for web programming
- work with different techniques on a given platform
- describe techniques and environments for web programming
- use databases for web applications
- describe security and security models in relation to web programming
- use XML and related techniques

Content

The following parts are treated:

- basic web programming
- Web 2.0
- design and layout techniques
- database bindings

- security and user management
- Javascript
- XML
- Ajax
- Web services

Type of Instruction

The teaching methods are based on lectures, lessons and tutoring to the mandatory work. The mandatory work/project can be solved individually or in groups.

Examination

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

Upon request, a student will get an ECTS grade. The examiner should be informed about this wish before grading.

Assessments of student performance consist of written and/or oral examinations and/or presentation of mandatory work. The types of assessment used in the course will be decided on at the beginning of the course.

Students who do not pass the regular examination are given the opportunity to do a reexamination shortly after the regular exam.

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

Upon request, a Swedish University degree will be issued upon successful completion of the full demands for that degree.

Students who receive a passing grade in the course may download a course certificate through the Student Portal. Otherwise they may request a course certificate from the school secretary.

Required Reading and Additional Study Material

Required reading

Onion, Fritz, and Brown, Keith, *Essential ASP.NET 2.0, Second Ed.*, 2007. Pages 250 (384).

DFM, *Printed material*. Pages 50.