ID2015 Internet Programming III 7.5 credits

Internetprogrammering III

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for ID2015 valid from Spring 2010

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Specific prerequisites

For single course students:

· A B Sc/180 hp in Information Technology, Informaion Systems, Computer Sciences or corresponding subject and

· documented proficiency in Swedish B and English A or equivalent.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

Upon completion of the course the student should be able to construct client side programs (with various techniques) that communicate over Internet with the HTTP-protocol.

Course contents

- Structure with Extended Hypertext Markup Language (XHTML)
- Styling with Cascading Style Sheets (CSS)
- Content management
- Imaging
- Audio and video
- Dynamic HTML (DHTML) with JavaScript 1.5 and the Object Model (OM) including Document Object Model 2 (DOM 2)

For a more detailed description see:
http://dsv.su.se/~pierre/i/

Disposition

This is a distance learning course and the pedagogy for this course is assignment based learning with a large element of freedom in the problem solving process. The course brings up a large subject area by presenting a set of assignments where each assignment:
- Focuses on one sub area at a time to increase understanding and to reduce complexity
- Is specified in a general way to motivate alternative, possibly deeper, solutions
The course requires the skill to work alone but has a large element of interactivity by continuous and direct support from tutors at distance.

Course literature

Preliminary

Stobart, Parsons: Dynamic Web Application Development using PHP and MySQL, Cengage Learning, 2008

Equipment

PC and Internet connection. Distance education.

Examination

- INL1 - Assignment, 3.0 credits, grading scale: P, F

- INL2 - Assignment, 3.0 credits, grading scale: P, F
- INL3 - Assignment, 1.5 credits, grading scale: A, B, C, D, E, FX, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

A number of practical assignments must be made. They are divided into three parts:

- Part 1: Introductionary fixed assignments (P/F)

- Part 2: More advanced less fixed assignments (P/F)

- Part 3: A summarizing free assignment (and voluntary assignments) (A/B/C/D/E/Fx/F).

Note that the total grade is determined by the grade on part 3.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.