ID2014 Internet Programming II 7.5 credits

Internetprogrammering II

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

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

Establishment

Course syllabus for ID2014 valid from Spring 2009

Grading scale

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

Education cycle

Second cycle

Main field of study

Specific prerequisites

For single course students the following is required:

- Completed, documented upper secondary education incl documented proficiency in Swedish and English and
- Academic records corresponding to /180 hp in Information Technology, Informaion Systems, Computer Sciences or corresponding subject.

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 server side programs (with various techniques) that communicate over Internet with the HTTP-protocol.

Course contents

- Supporting techniques
- Output
- Input
- Code separation
- Session handling
- Security
- E-mail
- Databases
- Content management

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.

Examination

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

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

- INLC - 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.

A number of practical assignments must be made. They are divided into three parts:
- Part 1: Introductionary fixed assignments (pass/fail)

- Part 2: More advanced less fixed assignments (pass/fail)
- 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. For a higher grade more in-depth assignments must be made. The summarizing free assignment must also be increasingly better for a higher grade. This is described in detail on the course homepage.

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.