ID1354 Internet Applications 7.5 credits

Applikationer för internet, grundkurs

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 ID1354 valid from Autumn 2019

Grading scale

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

Education cycle

First cycle

Main field of study

Information Technology,Technology

Specific prerequisites

Completed courses equivalent ID1018 Programming I and IV1350 Object-oriented Design.

Language of instruction

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

Intended learning outcomes

After completing the course with a passing grade the student should be able to:

- design a web application according to established architecture and best practice
- discuss the quality of a web application with reference to established architecture and best practice.

Course contents

The course includes concepts and methods to build web applications. This knowledge is practised in several programming assignments, by means of a notice and scripting language such as HTML, CSS, JavaScript and PHP. Apart from programming language, the course also includes basic architectural patterns, such as the CARE UNIT and MVVM, guidelines for design of user interfaces as well as software tools for development of web applications. Furthermore, non-functional requirements are introduced such as safety, response time and student completion.

Course literature

The reading list is announced on the course page.

Examination

- LAB1 - Assignment, 5.0 credits, grading scale: P, F
- TEN1 - Written Examination, 2.5 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.

In agreement with KTH´s coordinator for disabilities, it is the examiner who decides to adapt an examination for students in possess of a valid medical certificate. The examiner may permit other examination forms at the re-examination of few students

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.