HI1034 Server Software Development 7.5 credits

Serverutveckling

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

Establishment

Course syllabus for HI1034 valid from Autumn 2015

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Knowledge within network programming and distributed systems, the for example equivalent course Distributed Information Systems (HI1031).

Language of instruction

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

Intended learning outcomes

The aim of the course is to give the students a deeper insight in how one develops server systems in distributed and web-based environment. The course should also provide knowledge to, in connection with system construction, be able to assess what various types of solutions means in performance, safety and maintenance. The course also introduces concepts within J2EE and. NET

On completion of the course, the students should:

• Be able to explain and describe how one build server systems in a distributed environment

• Have knowledge of and evaluate and compare different architectures and design solutions

• Be able to implement advanced server side solutions in different environments such as J2EE and. NET

• Be able to describe and give examples of technologies that can be used at server development

• Be able to start from given structures and models and design own solutions to complex problemsFor higher grades, one should also:

• Be able to analyse and evaluate the structure of system with respect on performance, safety and structure

Course contents

• - Middleware • performance • Stability • Enterprise Java Beans and application servers • Hibernate • Jsf (Java server faces) • Ajax • . net and the c#

Examination

• LAB2 - Lab Work, 2.5 credits, grading scale: A, B, C, D, E, FX, F

• LAB1 - Lab Work, 5.0 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.

Passed laboratory sessions (LAB1; 5 credits), the grading scale A-F. Passed laboratory sessions (LAB2; 2.5 credits), the grading scale A-F.

The final grade is based on all parts. The grading scale A-F

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.