HI1015 Advanced Server Development 7.5 credits

Avancerad serverutveckling

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

Establishment

Course syllabus for HI1015 valid from Autumn 2007

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Knowledge about distributed systems and networkprogramming

Language of instruction

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

Intended learning outcomes

The course goal is to give the student a better understanding in how you develop distributed Internetbased systems. The course will give knowledge in systemarchitecture regarding performance and security.

After the course the student will be able to

- explain how to construct server systems in a distibuted enviroment.
- Have knowledge of, value and compare different architect and design solutions
- Implement advanced server solutions in J2EE and .NET
- Describe and give example of different techinques used in server development.

For higher grades one should also be able to

- Analyse and compare the systemconstuction based on performancem secutiry and structure.

Course contents

- Middleware
- Perfromance
- Stability
- Enterprise Java Beans and applicationsservers.
- Hibernate
- JSF (Java Server Faces)
- AJAX

Course literature

Course material

Examination

- LAB2 - Laboratory Work, 2.5 credits, grading scale: A, B, C, D, E, FX, F
- LAB1 - Laboratory 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.

Other requirements for final grade

The final grade, A-F, is based on both parts of the course: LAB1 and LAB2.

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.