DD2483 Development of Web Applications with Enterprise Java 6.0 credits

Utveckling av webbtillämpningar med Enterprise Java

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

Establishment

Course syllabus for DD2483 valid from Autumn 2009

Grading scale

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

Education cycle

Second cycle

Main field of study

Specific prerequisites

- Knowledge of Mathematics D, Physics B and Chemistry A is required or equivalent and
- documented proficiency in Swedish B or English A or equivalent and
- 90 hp in Information Technology or Mathematics.

Language of instruction

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

Intended learning outcomes

After the course the students should be able to

- define concepts and principles used within Enterprise Java,
- describe structure and function of a Enterprise Java application,
- use Servlets.
- use Java Server Pages (JSP) and JavaBeans,
- use Enterprise Java Beans (EJB),
- use an application server and modify its configuration.

so that they can

- design and implement a client-server database system with Enterprise Java.

Course contents

The structure of a Client-Server-DB system in Enterprise Java. Java Servlet API. Dynamic webpages with Java Server Pages (JSP), Taglib and JavaBeans. Interaction with DBMS thru JDBC. Persitence and distribution with Enterprise JavaBeans (EJB). Design patterns with Model-View-Controller (MVC).

Course literature

Will be announced at least 4 weeks before course starts at course web page. The previous year material produced at the department was used.

Examination

- PRO1 - Project, 1.5 credits, grading scale: P, F
- LAB1 - Laboratory Work, 4.5 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.

In this course all the regulations of the code of honor at the School of Computer science and Communication apply, see: http://www.kth.se/csc/student/hederskodex/1.17237?l=en_UK.

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.