IV1023 Advanced Information Handling with XML 7.5 credits

Avancerad datahantering med XML

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 IV1023 valid from Autumn 2008

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

For single course students:

- completed and documented upper secondary education incl documented proficiency in Swedish and English.

Language of instruction

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

Intended learning outcomes

To be able to make a more advanced conceptual analysis and present a relevant data model for o specific quite realistic problem domain.

To be able to create a relational database structure in XML, with a DTD schema which mirrors the data model.

To be able to search this relational structure with advanced XSLT (and XPath) programming, and to do statistic calculations and present the result in one specific (of a number of different) layout formats.

Course contents

Focused on a survey of the field and lab applications of XML technologies, primarily advanced XSLT programming.

Disposition

Lectures, laboratory sessions.

Course literature

Preliminärt:

XML - begreppen och tekniken, Gustaf Liljegren

Upplaga: Förlag: Studentlitteratur År: 2004

ISBN: 91-44-02476-2

Examination

- LAB1 - Laboratory Work, 4.5 credits, grading scale: A, B, C, D, E, FX, F
- TEN1 - Examination, 3.0 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.

Demonstration of gained competence by means of written examination (TEN1, in Swedish: 3hp), and approved laboratory results (LAB1: 4,5 hp), in accordance with instructions at the department, as well as the course PM.

Other requirements for final grade

To pass the course, the student needs to pass on both the written examination and the laboratory tests. Final course grade is based on the grades of the two examinations together.

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.