DD2472 Database Systems for Modern Applications 6.0 credits

Databassystemutveckling för moderna tillämpningar

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

Establishment

Course syllabus for DD2472 valid from Autumn 2008

Grading scale

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

Education cycle

Second cycle

Main field of study

Specific prerequisites

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

- describe techniques and application program architectures for the realization of modern database based or database driven application programs,
- describe different techniques for storing, retrieving and presentation of complex data,
- model and construct modern multitier application programs in order to in professional life develop modern multitier application programs.

Course contents

Architectures for the construction of complex application programs.

Introduction to some modern tools (IDE) for the construction of modern application programs.

Introduction to some of the techniques for the construction of complex database based and/or database driven application programs.

Practical laboratory projects dealing with parts of the problems in the field.

Introduction to the theory for distributed application programs, distributed databases, selection and organization of meta data and transactions in a distributed environment.

Examination

- LAB1 - Laboratory Work, 6.0 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

Laboratory assignments (LAB1; 6 university credits).

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.