ID2219 Implementation of Distributed Systems 7.5 credits

Implementering av distribuerade system

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

Establishment

Course syllabus for ID2219 valid from Autumn 2011

Grading scale

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

Education cycle

Second cycle

Main field of study

Information and Communication Technology

Specific prerequisites

Courses in distributed systems, for example ID2201, ID2203 and ID2210.

The course is open only to students following the TDISM program.

Language of instruction

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

Intended learning outcomes

The students shall after the course:

- be able to describe function and usage of different tools and environments used in implementing distributed systems
- have the ability to use appropriate tools to implement a distributed system
- evaluate performance and limitations of a distributed system
- analyze a distributed system with respect to scalability and robustness.

Course contents

The course consists partly of a series of lectures that describe tools and environments used to develop distributed systems, partly of a project where students in smaller groups define, implement and analyze a distributed system.

Disposition

Language of instruction: English

Course literature

Kurslitteraturen består av artiklar, rapporter och manualer som beskriver redskap och miljöer för distribuerade system.

Examination

- PRO1 - Project, 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.

If the course is discontinued, students may request to be examined during the following two academic years.

Examination is based on written exam, compulsory attendance, delivery and presentation of assignments.

- Written exam 3,0 credits
- Project 4,5 credits

Grading scale: A-F

Other requirements for final grade

Passed on both the writen exam and the project presentation.

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.