DD2442 Seminars on Theoretical Computer Science 7.5 credits

Seminariekurs i teoretisk datalogi

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

Establishment

The official course syllabus is valid from the autumn semester 2021 in accordance with Head of School decision: J-2021-0634.Decision date: 15/04/2021

Grading scale

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

Education cycle

Second cycle

Main field of study

Computer Science and Engineering

Specific prerequisites

May vary from one year to another, but knowledge equivalent to one of the courses DD1352 Algorithms, data structures and complexity and DD2352 Algorithms and complexity will always be required. The course co-ordinator can give more instructions.

Language of instruction

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

Intended learning outcomes

On completion of the course, a student should be able to: discuss advanced concepts within the field of the course, attack problems within the area of the course actively, both through own work and through search of relevant information, profit by the essential contents of scientific articles within the area of the course.

Course contents

The contents of the course may vary from one year to another. Example on topics is approximation algorithms, data mining, cryptography, parallel computations and probabilistic algorithms.

Examination

- ÖVN1 - Exercises, 7.5 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.

Other requirements for final grade

ÖVN1 - Practical assignments, 7.5 credits, grading scale: A, B, C, D, E, FX, F

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.