DD2444 Project Course in Scientific Computing 7.5 credits

Projektkurs i beräkningsvetenskap

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 DD2444 valid from Autumn 2017

Grading scale

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

Education cycle

Second cycle

Main field of study

Computer Science and Engineering

Specific prerequisites

Language of instruction

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

Intended learning outcomes

After passing the course, the students should be able to:

- independent plan, carry out, report (orally and in writing), a project in the area of scientific computing, and justify conclusions,
- collect and systematise requirements and expectations on the deliverables of the project and assess the reasonableness of these in relation to available time and resources,
- choose a course of action and prepare, follow and adapt a plan for the project,
- write reports in Swedish or English complying to established standards regarding design, language, style and content,
- orally report project results with requirements on preparation, content, style and time used,

in order to

- be well prepared for a degree project in the area of scientific computing.

Course contents

The project must treat a problem within the area of scientific computing. A detailed specification and time plan for the project must be made. A literature search in the area must be carried out, and relevant literature must be studied as a preparation before the project. The project work is presented in a written report and in an oral presentation.

Course literature

Research articles in the area of scientific computing.

Examination

- PRO1 - Project, 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.

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.