



FEF3215 Computer Methods in Electrophysics 4.0 credits

Datametoder i elektrofysiken

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 FEF3215 valid from Spring 2012

Grading scale

Education cycle

Third cycle

Specific prerequisites

Language of instruction

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

Intended learning outcomes

After completed course the students should have a basic overview of important computer tools for computation, and processing and visualization of data.

Course contents

The course content is decided from the computer needs of the present graduate students. Examples are: the Unix/Linux operating system; high-level programming languages, e.g. C and Fortran; computing and visualization tools and packages, e.g., Matlab, IDL, Maple; parallel processing and super computers. Current techniques for data acquisition may also be presented.

Disposition

Seminars, projects assignments.

Course literature

Lecture notes.

Examination

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.

Other requirements for final grade

Completed individual project assignments.

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.