



FSI3220 Theory of Superconductivity 7.5 credits

Teori för supraledning

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 FSI3220 valid from Spring 2009

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

Course contents

The course contains BCS, Ginzburg-Landau theory, and current problems in high temperature superconductivity and superfluidity. The detailed course content is planned individually with the examiner.

Course literature

The detailed course literature is planned individually with the examiner.

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

The course is completed by reading suitable literature and doing a set of homework exercises. There is either a written or an oral examination.

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.