



FKD3080 Introduction to Crystallography 7.5 credits

Introduktionskurs i kristallografi

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

Establishment

Course syllabus for FKD3080 valid from Spring 2020

Grading scale

P, F

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

Acquisition of the following skills:

- Ability to describe fundamental crystallographic concepts
- Ability to extract the relevant information from a crystallographic paper

- Ability to find specific tools for solution of a given crystallographic problem

Course contents

The course consists of two parts:

1. A theoretical part, which is mainly based on own studies of the course literature. In addition, there will be an introductory lecture and some meetings with shorter lectures and an opportunity for questions and discussion
2. A practical part where single-crystal diffraction is used

Examination

- TEN1 - Oral exam, 4.5 credits, grading scale: P, F
- LAB1 - Laboratory work, 3.0 credits, grading scale: P, 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

- 80% active attendance at lectures
- 100% participation in the laboratory part
- Passed on the oral exam

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.