



FKD3170 Interfaces in Science and Technology 3.0 credits

Gränsvytor i vetenskap och teknik

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 FKD3170 valid from Spring 2016

Grading scale

Education cycle

Third cycle

Specific prerequisites

Undergraduate exam in chemistry, physics, material science or similar that entitles entrance to PhD-studies in the chemistry area.

Language of instruction

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

Intended learning outcomes

After completing the course the students shall:

- Have insight in how interfacial properties are investigated with selected modern techniques.
- Have understanding for the importance of interfacial properties for development of some important technical areas.
- Have insight into the relation between fundamental interfacial studies and technical development.

Have sufficient knowledge to view their project in a cross-disciplinary context.

Course contents

The course is provided in the form of a one day workshop where a number of selected speakers describe the importance of interfaces in their current research.

Course literature

Föreläsningsmaterial

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.

For passing the course it is required that the students actively participates and correctly answers a set of questions provided at the workshop.

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.