



FKD3350 Theoretical Surface Chemistry: Surface Force 8.0 credits

Teoretisk ytkemi: ytkrafter

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 FKD3350 valid from Autumn 2014

Grading scale

Education cycle

Third cycle

Specific prerequisites

Basic university course in surface and colloid chemistry

Language of instruction

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

Intended learning outcomes

Provide deep theoretical understanding of surface forces and friction.

Course contents

- Intermolecular forces
- Surface forces
- Molecular aspects of friction

Course literature

“Intermolecular and surface forces” by Jacob Israelachvili

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.

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.