# FCK3108 Polymer Physics including Polyelectrolytes II 3.0 credits

**Polymerfysik med polyelektrolyter II**

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

## Establishment

Course syllabus for FCK3108 valid from Autumn 2020

## Grading scale

P, F

## Education cycle

Third cycle

## Specific prerequisites

Eligible for studies at the third-cycle level and passed courses in introductory courses in polymer science and engineering.

## Language of instruction

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

## Intended learning outcomes

After completion of the course the doctoral student should have the knowledge and ability to

- design, plan and carry out a project to address a scientific problem by experiments and, if necessary, a simulation/modeling study within the frame of the scientific field.
- master more advanced problems within the discipline using simulation/modelling methods.

## Course contents

Within the areas chain conformation, polyelectrolytes and semicrystalline polymers the students are offered problems. Each student selects one problem per area and submit solutions before the final written examination. This is a part of the examination (INL1).

## Examination

- INL1 - Hand in exercise, 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.

## 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.