



# FKF3190 Polymer Processing

## 7.5 credits

### Polymerers bearbetning

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 FKF3190 valid from Spring 2009

### Grading scale

### Education cycle

Third cycle

### Language of instruction

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

### Intended learning outcomes

Give the student an overview of today's available methods to process polymers. After the course the student should be able to choose a suitable processing method based on the actual choice of material and final product.

### Course contents

Includes: balance equations, rheology, mixing, devolatilization, single/double-screw extrusion, reactive processing, molding, stretch shaping, calendaring

## Specific prerequisites

Basic knowledge in polymer technology

## Course literature

Principles of Polymer Processing, 2nd ed, 2006

Z. Tadmor, C.G. Gogos

Wiley, NY

## 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.

The course will be held as a series of seminars where the student presents chosen parts of the area

## Other requirements for final grade

Examination: home assignments

## 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.