



FKF3170 Trends in Polymer Science for Applications in Thin Films 4.5 credits

Trends in Polymer Science for Applications in Thin Films

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

Establishment

Course syllabus for FKF3170 valid from Spring 2014

Grading scale

G

Education cycle

Third cycle

Specific prerequisites

Fundamental knowledge in polymer chemistry and polymer physics.

Language of instruction

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

Intended learning outcomes

The aim is to provide insights in the contemporary development trends within the fields organic coatings, coating technology, polymer chemistry and the characterization and the use of organic polymers in thin film applications.

Course contents

Seminars including oral presentations given by the students on current scientific breakthroughs in the field of polymer chemistry and coating technologies. Each seminar is followed by open discussions between the students. The presentations are given in English and follow typical standards of international conferences.

Course literature

Distributed literature from international journals with Impact Factor above 4.

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.

If the course is discontinued, students may request to be examined during the following two academic years.

Compulsory presence at seminars (80% of 40 times). Active participation is required (own seminars, opposition and discussions).

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.