



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

Trender i polymervetenskap för applikationer i tunna filmer

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 FKF3170 valid from Spring 2021

Grading scale

P, F

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

After completion of the course the doctoral student should be able to:

- orientate themselves within, and keep track of, their research area

- present (orally), discuss and motivate research results from other researchers
- reflect on the selected scientific publications with respect to environmental, human or societal aspects

Course contents

- Course participants will identify high impact publications within their research field, and present them as a 15-minute seminar.
- The content and presentation style of the seminars will be analyzed and evaluated by the course participants.
- The publications presented will focus on the use of polymers in new biomedical, commercial and industrial applications as well as the development of polymer feedstock from renewable resources and green approaches to polymer synthesis.

Specific prerequisites

Eligible for studies at the third-cycle level and fundamental knowledge in polymer chemistry and polymer physics.

Examination

- DEL1 - Participation, 4.5 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.

To fulfil the requirements in the course corresponding to 4.5 credits, participation in 20 scheduled seminar occasions is required. This is in addition to the mandatory requirements of presenting, opposing and commenting at least once.

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.