



FKF3260 Characterization Methods for Fibre and Polymer Science 7.5 credits

Karakteriseringsmetoder för Fiber- och polymervetenskap

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 FKF3260 valid from Spring 2022

Grading scale

P, F

Education cycle

Third cycle

Specific prerequisites

Eligible for studies at the third-cycle level and basic knowledge in chemistry and polymer science.

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

- explain the principles of common experimental methods, which were presented during the course, and how they can be applied for characterization of polymers and fiber-based materials
- at the basic level analyze and interpret data obtained with the main methods presented during the course
- orally and in writing present in principles for a selected characterization method and how it can be used in own research project

Course contents

- lectures (approximately 28 hours)
- home assignments
- seminar with oral presentations

Examination

- DEL2 - Participation, 1.0 credits, grading scale: P, F
- INL1 - Hand in assignment, 4.5 credits, grading scale: P, F
- SEM2 - Seminars, 2.0 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.

Examination of the course consists of 80% attendance at the lectures, one homeassignment connected to each lecture and an oral presentation and attendance at 1 out of 3 oral presentation seminars

Transitional regulations

If the examination form is changed, the student will be examined according to the examination form that applied when the student was admitted to the course. If the course is completed, the student is given the opportunity to be examined on the course for another 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.