

Module P 204: Current Topics in Colloid, Polymer, and Interface Science

(Fak225776)

Learning objectives:

The aim of the course is to present current research areas in the field of the physical chemistry of polymers, colloids, and interfaces.

Course units and temporal allocation:

Module P 204 'Current Topics in Colloid, Polymer, and Interface Science' is comprised of the following course units:

	HPW	Semester
Lectures	2	SS
Laboratory Course	8	SS

This module will be offered by lecturers of physical chemistry.

Course content:

Topics currently treated in the physical chemistry research groups will be presented in four different blocks. The blocks will contain the respective fundamentals and recent results on the subject discussed.

The respective laboratory course can be chosen from the four subjects presented and will be carried out in the PC research groups.

Entrance requirements:

Participation in P103 (Colloids and Surfaces) is recommended.

Assessment:

An oral (or written) examination on the contents of the lectures after the second semester. This examination will amount to 50 % of the grade. The laboratory course will be evaluated by the average of three independent grades: practical performance, a written report, and a seminar, and amount to 50 % of the grade.

Work load:

In addition to the 2 HPW for the lecture, 2 hours are planned for individual studies. Accordingly, 4 additional hours are necessary for the preparation of the experiments and the protocol of the 8 HPW laboratory course. Given 15 weeks per semester, this adds up to 240 hours. Together with 30 hours for the preparation of the final examination, a work load of 270 hours for the whole semester is calculated.

ECTS Credit Points: 9