

Module P 301 and 302: Advanced Laboratory Module I and II

Learning objectives:

The objective of this module is to further enhance the laboratory and science skills of the students in selected advanced fields of polymer science. The students will be introduced to current research topics investigated in one of the polymer science research groups at the University of Bayreuth. In addition the students will improve their ability to work in a team and their skills to present their research.

Course units and temporal allocation:

Module P 301 and 302 'Advanced Laboratory Module I and II' is comprised of:

	HPW	Semester
Polymer science research project	19	WS/SS
Group seminar presentation	1	WS/SS

This module will be offered by all professors of the Master Program Polymer Science

Course content:

The course covers a selected topic of current research within one of the research groups involved in the Master Program Polymer Science. The module includes experiments in the lab, literature search, participation at group seminars, and the presentation of the research results in form of a report and a seminar with discussion.

Entrance requirements:

The successful completion of a basic module related to the topic of the Advanced Laboratory Module is highly recommended.

Assessment:

The laboratory experiments will be evaluated by the average of three independent grades: Practical performance, written report, and seminar.

If a grade is given for a laboratory course at an foreign university the grade is based on the statement of the supervisor of the host university. An industrial internship does not involve a grade. A statement of a successful participation will be needed.

Work load:

350 hours are projected for the laboratory experiments, 100 hours for the literature search, the report, and the seminar. This adds up to a total of 450 hours.

ECTS Credit points: 15