

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

(Fak225727, Fak225728)

**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 of presenting their research.

**Course units and temporal allocation:**

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

	HPW	Semester
<i>Polymer Science</i> research project	19	WS/SS
Group seminar presentation	1	WS/SS

*These modules 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 in group seminars, and the presentation of the research results in the 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, a written report, and a seminar.

If a grade is given for a laboratory course at a 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 successful participation will be needed.

**Work load:**

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

**ECTS Credit points: 15**