| Module title | | | Abbreviation |
|---|---|---|---|
| **Polymers II** | | | 03-PM2-152-m01 |
| **Module coordinator** | | **Module offered by** | |
| holder of the Chair of Functional Materials in Medicine and Dentistry | | Faculty of Medicine | |
| **ECTS** | **Method of grading** | **Only after succ. compl. of module(s)** | |
| 5 | numerical grade | -- | |
| **Duration** | **Module level** | **Other prerequisites** | |
| 1 semester | graduate | -- | |

**Contents**

In-depth knowledge and practical application of: - free radical polymerisation, polyaddition - ionic polymerisations - controlled radical polymerisation - polymer characterisation (e. g. gel permeation chromatography, end-group analysis, mass spectrometry) - current aspects of polymer research (e. g. block-copolymers, polymer topographies, polymer functionalisation).

**Intended learning outcomes**

Students acquire an advanced knowledge of polymer synthesis, modification and characterisation.

**Courses** (type, number of weekly contact hours, language — if other than German)

S (2) + Ü (1)

**Method of assessment** (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) talk (30 minutes)
Language of assessment: German and/or English

**Allocation of places**

--

**Additional information**

--

**Workload**

150 h

**Teaching cycle**

--

**Referred to in LPO I** (examination regulations for teaching-degree programmes)

--

**Module appears in**

Master's degree (1 major) Biofabrication (2015)