

Module title		Abbreviation
Polymer Chemistry		03-FU-PM1-122-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	undergraduate	--
Contents		
Basic methods of polymerisation: free radical polymerisations, polyadditions, ionic polymerisations, controlled radical polymerisations; characterisation of polymers and polymer analytics: gel permeation chromatography, endgroup analysis, mass spectrometry, rheology.		
Intended learning outcomes		
The students are familiar with the fundamentals of polymer chemistry and the related methods for their characterisation.		
Courses (type, number of weekly contact hours, language – if other than German)		
This module comprises 2 module components. Information on courses will be listed separately for each module component. <ul style="list-style-type: none"> • 03-FU-PM1-1-122: V (no information on SWS (weekly contact hours) and course language available) • 03-FU-PM1-2-122: P (no information on SWS (weekly contact hours) and course language available) 		
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. <p>Assessment in module component 03-FU-PM1-1-122: Polymer Chemistry (Lecture)</p> <ul style="list-style-type: none"> • 3 ECTS, Method of grading: numerical grade • a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) • Language of assessment: German, English if agreed upon with the examiner <p>Assessment in module component 03-FU-PM1-2-122: Polymer Chemistry (Practical course)</p> <ul style="list-style-type: none"> • 2 ECTS, Method of grading: (not) successfully completed • Vortestate (pre-experiment exams, approx. 15 minutes each) and logs (approx. 5 pages each) • Assessment offered: once a year, summer semester • Language of assessment: German, English if agreed upon with the examiner 		
Allocation of places		
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Additional information		
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Workload		
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Teaching cycle		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in

Bachelor' degree (1 major) Functional Materials (2012)

Master's degree (1 major) Chemistry (2013)