

Module title		Abbreviation
Modern Bio Analytical Methods		o8-MAM-122-m01
Module coordinator		Module offered by
Dean of Studies Funktionswerkstoffe (Functional Materials)		Chair of Chemical Technology of Material Synthesis
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
Analytical principles, gravimetric methods, titration, chromatography, spectroscopic methods (UV-VIS, IR, Raman, emission, fluorescence, NMR etc.), surface analysis, structure analysis.		
Intended learning outcomes		
Students have developed modern analytics expertise.		
Courses (type, number of weekly contact hours, language – if other than German)		
This module has 2 components; information on courses listed separately for each component. <ul style="list-style-type: none"> o8-MAM-1-122: V (no information on language and number of weekly contact hours available) o8-MAM-2-122: P (no information on language and number of weekly contact hours 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)		
This module has the following 2 assessment components. Unless stated otherwise, students must pass all of these assessment components to pass the module as a whole..		
Assessment component to module component o8-MAM-1-122: Moderne Bio-Analytik <ul style="list-style-type: none"> 3 ECTS credits, method of grading: numerical grade a) 1-3 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 on candidate each (approx. 20 minutes) or c) oral examination in groups (groups of two, approx. 30 minutes). Language of assessment: German or English 		
Assessment component to module component o8-MAM-2-122: Praktikum zu Moderne Bio-Analytik <ul style="list-style-type: none"> 2 ECTS credits, method of grading: (not) successfully completed Vortestate (je approx. 15 minutes) and logs (je approx. 5 pages) Assessment offered once a year, summer semester. Language of assessment: German or English 		
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)		