

<b>Module title</b>		<b>Abbreviation</b>
Modern Bio Analytical Methods		o8-MAM-122-m01
<b>Module coordinator</b>		<b>Module offered by</b>
Dean of Studies Funktionswerkstoffe (Functional Materials)		Chair of Chemical Technology of Material Synthesis
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
5	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
Analytical principles, gravimetric methods, titration, chromatography, spectroscopic methods (UV-VIS, IR, Raman, emission, fluorescence, NMR etc.), surface analysis, structure analysis.		
<b>Intended learning outcomes</b>		
Students have developed modern analytics expertise.		
<b>Courses</b> (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"> <li>o8-MAM-1-122: V (no information on language and number of weekly contact hours available)</li> <li>o8-MAM-2-122: P (no information on language and number of weekly contact hours available)</li> </ul>		
<b>Method of assessment</b> (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..		
<b>Assessment component to module component o8-MAM-1-122: Moderne Bio-Analytik</b> <ul style="list-style-type: none"> <li>3 ECTS credits, method of grading: numerical grade</li> <li>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).</li> <li>Language of assessment: German or English</li> </ul>		
<b>Assessment component to module component o8-MAM-2-122: Praktikum zu Moderne Bio-Analytik</b> <ul style="list-style-type: none"> <li>2 ECTS credits, method of grading: (not) successfully completed</li> <li>Vortestate (je approx. 15 minutes) and logs (je approx. 5 pages)</li> <li>Assessment offered once a year, summer semester.</li> <li>Language of assessment: German or English</li> </ul>		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
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<b>Teaching cycle</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
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<b>Module appears in</b>		
Bachelor' degree (1 major) Functional Materials (2012)		