

<b>Module title</b>		<b>Abbreviation</b>
Methods in Biotechnology for Nanostructure Technology		07-4S1MZ4N-102-m01
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Chair of Biotechnology		Faculty of Biology
<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>		
<p>This module will provide students with an overview of instrument-based methods in biotechnology and biomedicine. In particular, imaging methods as well as single-cell technologies will be discussed. Publications on the methodology of biotechnology will be analysed.</p>		
<b>Intended learning outcomes</b>		
<p>Students are able to select the instrument-based method in biotechnology and biomedicine that is appropriate to a particular problem.</p>		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
<p>This module comprises 2 module components. Information on courses will be listed separately for each module component.</p> <ul style="list-style-type: none"> <li>• 07-4S1MZ4N-1-102: V (no information on SWS (weekly contact hours) and course language available)</li> <li>• 07-4S1MZ4N-2-102: S (no information on SWS (weekly contact hours) and course language 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)		
<p>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> <p><b>Assessment in module component 07-4S1MZ4N-1-102:</b> Methods in Biotechnology for Nanostructure Technology</p> <ul style="list-style-type: none"> <li>• 3 ECTS, Method of grading: numerical grade</li> <li>• written examination (approx. 20 minutes)</li> </ul> <p><b>Assessment in module component 07-4S1MZ4N-2-102:</b> Seminar Methods in Biotechnology for Nanostructure Technology</p> <ul style="list-style-type: none"> <li>• 2 ECTS, Method of grading: (not) successfully completed</li> <li>• presentation/seminar presentation (approx. 15 to 20 minutes)</li> <li>• Assessment offered: once a year, summer semester</li> </ul>		
<b>Allocation of places</b>		
<p>Number of places: 2. Should the number of applications exceed the number of available places, places will be allocated by lot. Should there be, within one module component, several courses with a restricted number of places, there will be a uniform regulation for the courses of one module component. In this case, places on all courses of a module component that are concerned will be allocated in a standardised procedure. When places are allocated by lot, applicants who already have successfully completed at least one other module component of the respective module will be given preferential consideration. A waiting list will be maintained and places re-allocated as they become available.</p>		
<b>Additional information</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) Nanostructure Technology (2010)		



Bachelor' degree (1 major) Nanostructure Technology (2012)