

<b>Module title</b>		<b>Abbreviation</b>
Chemically and biologically inspired Nanotechnology for Materials Synthesis		o8-NT-101-m01
<b>Module coordinator</b>		<b>Module offered by</b>
holder of the Chair of Chemical Technology of Material Synthesis		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>		
German contents available but not translated yet.		
Das Modul gibt eine Einführung in die Synthesemethoden der Sol-Gel Chemie und behandelt die zur Charakterisierung der erzeugten Materialien verwendeten Analyseverfahren. Es beinhaltet Grundprinzipien der Biomineralisation und gibt anhand von Beispielen eine Einführung in die biologisch inspirierte Materialsynthese.		
<b>Intended learning outcomes</b>		
German intended learning outcomes available but not translated yet.		
Der/Die Studierende verfügt über vertiefte Kenntnisse in den Bereichen der Sol-Gel Chemie und der Biomineralisation.		
<b>Courses</b> (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"> <li>• o8-NT-1-101: V (no information on SWS (weekly contact hours) and course language available)</li> <li>• o8-NT-2-101: V (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)		
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.		
<b>Assessment in module component o8-NT-1-101:</b> Chemically and biologically inspired Nanotechnology for Materials Synthesis <ul style="list-style-type: none"> <li>• 2 ECTS, Method of grading: numerical grade</li> <li>• oral examination (approx. 15 minutes)</li> </ul>		
<b>Assessment in module component o8-NT-2-101:</b> From Biomineralisation to biologically inspired Materials Synthesis <ul style="list-style-type: none"> <li>• 3 ECTS, Method of grading: numerical grade</li> <li>• oral examination (approx. 20 minutes)</li> </ul>		
<b>Allocation of places</b>		
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<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) Technology of Functional Materials (2010)		
Bachelor' degree (1 major) Nanostructure Technology (2010)		



Master's degree (1 major) Chemistry (2010)