

Module title		Abbreviation
Chemically and bio-inspired Nanotechnology for Material Synthesis		o8-NT-122-m01
Module coordinator		Module offered by
holder of the Chair of Chemical Technology of Material Synthesis		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	graduate	--
Contents		
<p>German contents available but not translated yet.</p> <p>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.</p>		
Intended learning outcomes		
<p>German intended learning outcomes available but not translated yet.</p> <p>Der/Die Studierende verfügt über vertiefte Kenntnisse in den Bereichen der Sol-Gel Chemie und der Biomineralisation.</p>		
Courses (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"> o8-NT-1-122: V (no information on SWS (weekly contact hours) and course language available) o8-NT-2-122: V (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)		
<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>Assessment in module component o8-NT-1-122: Sol-Gel Chemistry 1: Fundamentals</p> <ul style="list-style-type: none"> 2 ECTS, Method of grading: numerical grade a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) <p>Assessment in module component o8-NT-2-122: From Biomineralisation to biologically inspired Materials Synthesis</p> <ul style="list-style-type: none"> 3 ECTS, Method of grading: numerical grade a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) 		
Allocation of places		
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Additional information		
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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) Nanostructure Technology (2012)		

Bachelor' degree (1 major) Functional Materials (2012)
Master's degree (1 major) Chemistry (2013)
Master's degree (1 major) Technology of Functional Materials (2010)
Master's degree (1 major) Technology of Functional Materials (2009)
Master's degree (1 major) Functional Materials (2012)