

<b>Module title</b>		<b>Abbreviation</b>
Chemical Technology of Inorganic Nano and Micro Particles		o8-FU-PART-161-m01
<b>Module coordinator</b>		<b>Module offered by</b>
degree programme coordinator 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	graduate	--
<b>Contents</b>		
Technological significance of small inorganic particles, their properties und fundamental methods of particle synthesis. Characterization of small particles and structure-property relationships. Introduction of important particle materials. Applications and laboratory course.		
<b>Intended learning outcomes</b>		
Students gain advanced knowledge in nano- and microparticles.		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
V (2) + P (2)		
<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)		
a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English Assessment offered: Once a year, winter semester P: creditable for bonus		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
150 h		
<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>		
Master's degree (1 major) Functional Materials (2016)		