

<b>Module title</b>		<b>Abbreviation</b>
Structure and Properties of Modern Materials: Experiments and Simulations		o8-MW-PHY-111-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	graduate	--
<b>Contents</b>		
German contents available but not translated yet.		
Materialeigenschaften von Metallen und Keramiken: Korrelation von Struktur-/Eigenschaftsbeziehungen durch Experimente und Simulationen.		
<b>Intended learning outcomes</b>		
German intended learning outcomes available but not translated yet.		
Der/Die Studierende bekommt einen Einblick in die Eigenschaften moderner Werkstoffe: Flugzeugaluminiumlegierungen und Hochleistungskeramiken. Es werden Messmethoden und Berechnungen durch numerische Simulationsverfahren vorgestellt. Besonders betont wird die Beziehung zwischen der mikro-/nanoskopischen Struktur der Werkstoffe und der daraus abgeleiteten Materialeigenschaften.		
<b>Courses</b> (type, number of weekly contact hours, language — if other than German)		
V + S (no information on SWS (weekly contact hours) and course language available)		
<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)		
talk (approx. 45 minutes)		
<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>		
Master's degree (1 major) Physics (2010)		
Master's degree (1 major) Physics (2011)		
Master's degree (1 major) Nanostructure Technology (2011)		
Master's degree (1 major) Nanostructure Technology (2010)		