

Module title		Abbreviation
Structure and Properties of Modern Materials: Experiments and Simulations		o8-MW-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		
German contents available but not translated yet.		
Materialeigenschaften von Metallen und Keramiken: Korrelation von Struktur-/Eigenschaftsbeziehungen durch Experimente und Simulationen.		
Intended learning outcomes		
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.		
Courses (type, number of weekly contact hours, language — if other than German)		
V + S (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)		
a) talk (approx. 30 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		
Master's degree (1 major) Functional Materials (2012)		