

<b>Module title</b>		<b>Abbreviation</b>
Analytical Methods - Examples from Practical Failure Analysis		o8-FU-ANA-161-mo1
<b>Module coordinator</b>		<b>Module offered by</b>
Dean of Studies 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>		
This module treats special topics in the area damage analysis of materials (Ceramics, semiconductors, metals and polymers). The students become acquainted to different methods for the characterization of the different material classes. They deepen this knowledge in a practical part.		
<b>Intended learning outcomes</b>		
The students gain fundamental knowledge in measuring methods in the physical / chemical laboratory.		
<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) Assessment offered: Once a year, summer semester Language of assessment: German and/or English P: creditable for bonus		
<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) Functional Materials (2016)		