

<b>Module title</b>		<b>Abbreviation</b>
Didactics of Mathematics: Algebra and Analysis (German Gymnasium)		10-M-DGY1-191-m01
<b>Module coordinator</b>		<b>Module offered by</b>
Dean of Studies Mathematik (Mathematics)		Institute of Mathematics
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
6	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
2 semester	undergraduate	--
<b>Contents</b>		
Discussion of advanced topics in mathematics didactics for Gymnasium using the examples of algebra (Sekundarstufe I) and analysis (Sekundarstufe II) as well as discussion of possibilities of implementation in the classroom, also including modern technologies.		
<b>Intended learning outcomes</b>		
The student is acquainted with mathematical ways of thinking and working techniques (in particular in the fields of algebra in Sekundarstufe I and analysis in Sekundarstufe II) and is able to take into account the students' perception of mathematical topics, He/She knows different aspects of planning and analysing teaching of mathematics, masters different strategies for teaching and learning und can assess them.		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
V (2) + Ü (2) + V (2) + Ü (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. 60 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, 10 to 15 minutes per candidate) Language of assessment: German and/or English creditable for bonus		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
180 h		
<b>Teaching cycle</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
§ 73 I Nr. 6		
<b>Module appears in</b>		
First state examination for the teaching degree Gymnasium Mathematics (2019)		