

<b>Module title</b>		<b>Abbreviation</b>
Didactics of Mathematics - Stochastics and Algebra (German Mittelschule/Realschule)		10-M-DGMR2-152-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>
7	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
2 semester	undergraduate	--
<b>Contents</b>		
Topics in algebra didactics (goals of teaching algebra, numbers, terms, functions, equations) and stochastics (goals of teaching stochastics, descriptive statistics, probability theory, combinatorics, basics in inferential statistics) in Sekundarstufe I at Mittelschule and Realschule.		
<b>Intended learning outcomes</b>		
The student is acquainted with mathematical ways of thinking and working techniques in algebra and stochastics, and is able to take into account the students' perception of mathematical topics. He/She knows important aspects of planning and analysing teaching of mathematics, masters different strategies for teaching and learning and can assess them.		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
V (2) + Ü (1) + 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) oral examination of one candidate each (approx. 30 minutes) or b) oral examination in groups (groups of 2 candidates, approx. 15 minutes per candidate) or c) written examination (60 to 120 minutes)		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
210 h		
<b>Teaching cycle</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
§ 51 I Nr. 4		
<b>Module appears in</b>		
First state examination for the teaching degree Realschule Mathematics (2015) First state examination for the teaching degree Mittelschule Mathematics (2015) First state examination for the teaching degree Mittelschule Mathematics (2020 (Prüfungsordnungsversion 2015)) exchange program Mathematics (2023)		
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