

Module title		Abbreviation
Didactics and Methology of Teaching Mathematics		10-M-MGS3-152-m01
Module coordinator		Module offered by
Dean of Studies Mathematik (Mathematics)		Institute of Mathematics
ECTS	Method of grading	Only after succ. compl. of module(s)
5	(not) successfully completed	--
Duration	Module level	Other prerequisites
2 semester	undergraduate	--
Contents		
Discussion of basic topics in mathematics didactics and the methodology of teaching mathematics with a focus on didactic aspects (e. g. support for pupils who are particularly weak or particularly strong in mathematics, dyscalculia, evaluation of teaching materials for mathematics in Grundschule, using computers for teaching mathematics in Grundschule, selected topics and research results in modern mathematics didactics, theoretical foundations of mathematics didactics, dealing with heterogeneity in the classroom, organising substantial learning environments).		
Intended learning outcomes		
The student is acquainted with theoretical concepts in the didactics of mathematics and possibilities to promote mathematical skills, knows important aspects of planning and analysing teaching of mathematics, masters different strategies for teaching and learning und can assess and employ them.		
Courses (type, number of weekly contact hours, language – if other than German)		
S (2) + S (2)		
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. 45 minutes) or b) term paper (10 to 15 pages) or c) project (15 to 25 pages) Assessment offered: Once a year, winter semester		
Allocation of places		
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Additional information		
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Workload		
150 h		
Teaching cycle		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
§ 36 I Nr. 7		
Module appears in		
First state examination for the teaching degree Grundschule Didactics in Mathematics (Primary School) (2015) First state examination for the teaching degree Sonderpädagogik Didactics in Mathematics (Primary School) (2015) First state examination for the teaching degree Sonderpädagogik Didactics in Mathematics (Primary School) (2020 (Prüfungsordnungsversion 2015))		