

Module title		Abbreviation
Basic Notions and Methods of Mathematical Reasoning		10-M-GBM-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)
2	(not) successfully completed	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
Introduction to the basic notions and proof techniques in mathematics: approach to sets, formal logic and maps.		
Intended learning outcomes		
The student gets acquainted with the basic working techniques which are prerequisites for the further courses in the Bachelor's degree study programme.		
Courses (type, number of weekly contact hours, language — if other than German)		
V (1) + Ü (1)		
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)		
project (10 to 15 pages) Language of assessment: German and/or English		
Allocation of places		
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Additional information		
Additional information on module duration: block taught prior to the beginning of the lecture period.		
Workload		
60 h		
Teaching cycle		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
§ 22 II Nr. 1 h) § 22 II Nr. 2 f)		
Module appears in		
Bachelor' degree (1 major) Mathematics (2015) Bachelor' degree (1 major) Economathematics (2015) Bachelor' degree (1 major) Mathematical Physics (2015) Bachelor' degree (1 major) Computational Mathematics (2015) First state examination for the teaching degree Grundschule Mathematics (2015) First state examination for the teaching degree Realschule Mathematics (2015) First state examination for the teaching degree Mittelschule Mathematics (2015) Bachelor' degree (1 major) Mathematical Physics (2016) Bachelor' degree (1 major) Economathematics (2017) Module studies (Bachelor) Mathematics (2019) Module studies (Bachelor) Orientierungsstudien (2020) First state examination for the teaching degree Mittelschule Mathematics (2020 (Prüfungsordnungsversion 2015)) Bachelor' degree (1 major) Mathematical Physics (2020) Bachelor' degree (1 major) Economathematics (2021)		

Bachelor' degree (1 major) Economathematics (2022)
Bachelor' degree (1 major) Mathematical Data Science (2022)
exchange program Mathematics (2023)
Bachelor' degree (1 major) Mathematics (2023)
Bachelor' degree (1 major) Economathematics (2023)
Bachelor' degree (1 major) Mathematical Physics (2024)
Bachelor' degree (1 major) Economathematics (2024)