

Module title		Abbreviation
Overview Numerical Mathematics		10-M-NUM-Ü-131-mo1
Module coordinator		Module offered by
Dean of Studies Mathematik (Mathematics)		Institute of Mathematics
ECTS	Method of grading	Only after succ. compl. of module(s)
12	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
Eigenvalue problems, linear programming, methods for initial value problems for ordinary differential equations, boundary value problems.		
Intended learning outcomes		
The student has an overview over the fundamental concepts and methods in numerical mathematics, their interrelations and their mathematical background. He/She knows about their advantages and limitations concerning their possibilities for application in natural and engineering sciences and economics.		
Courses (type, number of weekly contact hours, language – if other than German)		
V + Ü (no information on SWS (weekly contact hours) and course language available)		
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
oral examination of one candidate each (approx. 30 minutes); assessment will have reference to the sub-field dealt with in module 10-M-NUM-G as well as an additional sub-field of applied mathematics as selected by the candidate Language of assessment: German, English		
Allocation of places		
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Additional information		
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Workload		
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Teaching cycle		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in		
Bachelor' degree (1 major) Computational Mathematics (2014)		