

Module title		Abbreviation
Differential Calculus for Economics and Management		10-M-MWW1-242-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	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
Basics in Analysis. Topics include logic and set theory, convergence of sequences and series, properties of real valued functions (in particular, continuity, monotony and convexity), as well as elementary differential calculus, and one-dimensional and multi-dimensional curve discussion.		
Intended learning outcomes		
The student learns the basic mathematical tools in the field of analysis which are fundamental for economics, and is able to apply these methods to simple problems in economical modelling.		
Courses (type, number of weekly contact hours, language – if other than German)		
V (2) + T (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)		
written examination (approx. 60 to 120 minutes) creditable for bonus		
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)		
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Module appears in		
Bachelor' degree (1 major) Business Information Systems (2024) Bachelor' degree (1 major) Business Management and Economics (2024)		
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