

Module title		Abbreviation
Exam Tutorial Ordinary Differential Equations (virtual course)		10-M-VHBDGL-191-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)
3	(not) successfully completed	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
<p>The exam course ordinary differential equations covers the central topics in ordinary differential equations with respect to their relevance for the Bavarian state examination for the teaching degree Gymnasium. A particular focus is given to animations and visualisations of the behaviour of solutions of differential equations. The topics are supplemented and illustrated by selected examples and exercises from exams of previous years in varying degrees of difficulty.</p>		
Intended learning outcomes		
<p>The student for the teaching degree for German Gymnasium knows and understands the central concepts and the respective methods of proof in the field of ordinary differential equations and is able to apply them in different contexts. The course shows the level of difficulty in the Bavarian state examination.</p>		
Courses (type, number of weekly contact hours, language – if other than German)		
Ü (3)		
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
<p>project (web-based, 20 to 30 hours) Assessment offered: Once a year, summer semester Other: E-Learning, Vhb</p>		
Allocation of places		
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Additional information		
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Workload		
90 h		
Teaching cycle		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
§ 22 II Nr. 3 f)		
Module appears in		
<p>First state examination for the teaching degree Gymnasium Mathematics (2019) First state examination for the teaching degree Gymnasium Mathematics (2023)</p>		