

<b>Module title</b>		<b>Abbreviation</b>
Exam Tutorial Algebra (virtual course)		10-M-VHBExA-152-m01
<b>Module coordinator</b>		<b>Module offered by</b>
Dean of Studies Mathematik (Mathematics)		Institute of Mathematics
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
2	(not) successfully completed	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	undergraduate	--
<b>Contents</b>		
<p>The exam course (university) algebra covers the central topics in classical algebra with respect to their relevance for the Bavarian state examination for the teaching degree Gymnasium. The theories of groups, rings and fields are addressed with equal importance, and fundamental algebraic concepts with their set-theoretic interrelations are discussed in detail. Each module contains problems of increasing difficulty and their solutions.</p>		
<b>Intended learning outcomes</b>		
<p>The student for the teaching degree for German Gymnasium knows the central problems and the respective algebraic proof methods and is able to apply them in different contexts. The course shows the level of difficulty in the Bavarian state examination.</p>		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
Ü (2) Course type: eLearning, mostly Virtuelle Hochschule Bayern (vhb)		
<b>Method of assessment</b> (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
project (web-based, 15 to 20 hours) Assessment offered: Once a year, summer semester		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
60 h		
<b>Teaching cycle</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
§ 22 II Nr. 3 f)		
<b>Module appears in</b>		
First state examination for the teaching degree Gymnasium Mathematics (2015)		