

Module title		Abbreviation
Analytic Geometry (virtual course)		10-M-VHBAng-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		
The module gives a brief introduction to the history of geometry, discusses analytic geometry in Euclidean vector spaces (including Hessian normal forms) and finishes with the analysis and classification of quadrics.		
Intended learning outcomes		
The students gain an overview over the development of geometry and learn to translate geometric problems to the language of linear algebra. They consolidate certain aspects of linear algebra by applying them to geometric questions. Moreover, the course is suitable for preparation for the final state exam.		
Courses (type, number of weekly contact hours, language – if other than German)		
Ü (2) Course type: eLearning, mostly Virtuelle Hochschule Bayern (vhb)		
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 (web-based, 15 to 20 hours) Assessment offered: Once a year, summer semester		
Allocation of places		
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Additional information		
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Workload		
60 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		
First state examination for the teaching degree Gymnasium Mathematics (2015)		