Module title: Linear Algebra 1 for Teaching Degree (German Gymnasium)  
Abbreviation: 10-M-LNL1-191-m01

Module coordinator: Dean of Studies Mathematik (Mathematics)  
Module offered by: Institute of Mathematics

ECTS: 5  
Method of grading: Only after succ. compl. of module(s)  
Duration: 1 semester  
Module level: --  
Other prerequisites: --

Contents:
Basic notions and structures; vector spaces, linear maps, systems of linear equations; theory of matrices and determinants.

Intended learning outcomes:
The student knows and masters the basic notions and essential methods of linear algebra. He/She is acquainted with the central proof methods in linear algebra and can apply them to solve easy problems. He/She is able to perform simple mathematical arguments independently, and can present them adequately in written form.

Courses:
(2)

Method of assessment:
written examination (approx. 90 to 180 minutes) and written exercises (approx. 10 exercise sheets with approx. 4 exercises each)  
Language of assessment: German and/or English

Allocation of places:
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Additional information:
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Referred to in LPO I:
§ 73 I Nr. 2

Module appears in:
First state examination for the teaching degree Gymnasium Mathematics (2019)