Module title: Exam Tutorial Ordinary Differential Equations (virtual course)

Abbreviation: 10-M-VHBDGL-191-m01

Module coordinator: Dean of Studies Mathematik (Mathematics)

Module offered by: Institute of Mathematics

ECTS: 3

Method of grading: Only after succ. compl. of module(s)

Duration: 1 semester

Module level: undergraduate

Other prerequisites: --

Contents:
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.

Intended learning outcomes:
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.

Courses:
(3)

Method of assessment:
project (web-based, 20 to 30 hours)
Assessment offered: Once a year, summer semester
Other: E-Learning, Vhb

Allocation of places:
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Additional information:
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Referred to in LPO I:
§ 22 II Nr. 3 f)

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