### 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

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### Other prerequisites

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### 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

( examination regulations for teaching-degree programmes)

§ 22 II Nr. 3 f)

### Module appears in

First state examination for the teaching degree Gymnasium Mathematics (2019)