## Module title

Ordinary Differential Equations for students of other subjects

### Abbreviation

10-M-DGLa-f-141-m01

## Module coordinator

Dean of Studies Mathematik (Mathematics)

## Module offered by

Institute of Mathematics

## ECTS

<table>
<thead>
<tr>
<th>Method of grading</th>
<th>Only after succ. compl. of module(s)</th>
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<tbody>
<tr>
<td>numerical grade</td>
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## Duration

<table>
<thead>
<tr>
<th>Module level</th>
<th>Other prerequisites</th>
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<tbody>
<tr>
<td>undergraduate</td>
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## Contents

Existence and uniqueness theorem; continuous dependence of solutions on initial values, systems of linear differential equations, matrix exponential series, linear differential equations of higher order.

## Intended learning outcomes

The student is acquainted with the fundamental concepts and methods of the theory of ordinary differential equations. He/she is able to apply these methods to practical problems.

## Courses

V + Ü (no information on SWS (weekly contact hours) and course language available)

## Method of assessment

written examination (approx. 90 to 180 minutes); if announced by the lecturer at the beginning of the course, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes)

Language of assessment: German, English

## Allocation of places

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## Additional information

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## Referred to in LPO I

(examination regulations for teaching-degree programmes)

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## Module appears in

Bachelor' degree (1 major) Computer Science (2014)
Bachelor' degree (1 major) Aerospace Computer Science (2014)