# Module description

## Module title
Selected Topics in Didactics of Mathematics 1 (German Grundschule)

## Abbreviation
10-M-DAGS1-152-m01

## Module coordinator
Dean of Studies Mathematik (Mathematics)

## Module offered by
Institute of Mathematics

## ECTS
2

## Method of grading
(only after successfully completed module(s)

## Duration
1 semester

## Module level
undergraduate

## Other prerequisites
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## Contents
Discussion of basic topics in mathematics didactics with a focus on didactic aspects (e.g. dyscalculia, evaluation of teaching materials for mathematics in Grundschule, using computers for teaching mathematics in Grundschule, selected topics and research results in modern mathematics didactics, theoretical foundations of mathematics didactics, dealing with heterogeneity in the classroom, organising substantial learning environments).

## Intended learning outcomes
The student is acquainted with theoretical concepts in the didactics of mathematics, knows important aspects of planning and analysing teaching of mathematics, masters different strategies for teaching and learning and can assess and employ them.

## Courses
(type, number of weekly contact hours, language — if other than German)

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<th>Type</th>
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## Method of assessment
(type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

- talk (approx. 45 minutes) or
- term paper (5 to 10 pages) or
- project (10 to 15 pages)

Assessment offered: Every two years, winter semester

## 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
- First state examination for the teaching degree Grundschule Mathematics (2015)
- First state examination for the teaching degree Grundschule Didactics in Mathematics (Primary School) (2015)
- First state examination for the teaching degree Sonderpädagogik Didactics in Mathematics (Primary School) (2015)
- First state examination for the teaching degree Sonderpädagogik Didactics in Mathematics (Primary School) (2020 (Prüfungsordnungsversion 2015))