### Module title

Methods and Media in Teaching Mathematics 1 (German Grundschule)

### Abbreviation

10-M-MMMG1-152-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)

### (not) successfully completed

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### Duration

1 semester

### Module level

undergraduate

### Other prerequisites

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### Contents

Topics in the methodology of teaching mathematics (e. g. support for pupils who are particularly strong or particularly weak in mathematics, dealing with heterogeneity in the classroom, organisation of substantial learning environments) and the use of media in the classroom (e. g. real objects, the use of computers) are discussed with a focus on practical implementation in the classroom.

### Intended learning outcomes

The student knows the possibilities, limitations, advantages and disadvantages of methods and media for employment in teaching mathematics.

### Courses

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

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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)

a) talk (approx. 45 minutes) or b) term paper (5 to 10 pages) or c) 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)