<table>
<thead>
<tr>
<th>Module title</th>
<th>Abbreviation</th>
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<tbody>
<tr>
<td>Didactics of Mathematics - Stochastics and Algebra (German Mittelschule/Realschule)</td>
<td>10-M-DGMR2-152-m01</td>
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</table>

**Module coordinator**
Dean of Studies Mathematik (Mathematics)

**Module offered by**
Institute of Mathematics

**ECTS**
7

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

**Duration**
2 semester

**Module level**
undergraduate

**Contents**
Topics in algebra didactics (goals of teaching algebra, numbers, terms, functions, equations) and stochastics (goals of teaching stochastics, descriptive statistics, probability theory, combinatorics, basics in inferential statistics) in Sekundarstufe I at Mittelschule and Realschule.

**Intended learning outcomes**
The student is acquainted with mathematical ways of thinking and working techniques in algebra and stochastics, and is able to take into account the students' perception of mathematical topics. He/She knows important aspects of planning and analysing teaching of mathematics, masters different strategies for teaching and learning and can assess them.

**Courses**
(V (2) + Ü (1) + V (2) + Ü (2))

**Method of assessment**
a) oral examination of one candidate each (approx. 30 minutes) or b) oral examination in groups (groups of 2 candidates, approx. 15 minutes per candidate) or c) written examination (60 to 120 minutes)

**Allocation of places**
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**Additional information**
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**Referred to in LPO I** (examination regulations for teaching-degree programmes)
§ 51 I Nr. 4

**Module appears in**
- First state examination for the teaching degree Realschule Mathematics (2015)
- First state examination for the teaching degree Mittelschule Mathematics (2015)
- First state examination for the teaching degree Mittelschule Mathematics (2020 (Prüfungsordnungsversion 2015))