Module title  
Mathematics in German Mittelschule - Application-oriented Teaching and Stochastics

Abbreviation  
10-M-MM4-152-m01

Module coordinator  
Dean of Studies Mathematik (Mathematics)

Module offered by  
Institute of Mathematics

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

Duration  
1 semester

Module level  
undergraduate

Other prerequisites  
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Contents  
Discussion of basic topics in teaching stochastics and application-oriented mathematics in Mittelschule taking into account didactic aspects as well as possibilities of implementation in the classroom, also including modern technologies.

Intended learning outcomes  
The student is acquainted with basic mathematical ways of thinking and working techniques in the fields of application-oriented mathematics and stochastics. He/She knows about criteria to assess media and their employment in teaching mathematics, detects common difficulties and typical misconceptions of pupils and knows about adequate countermeasures and support. He/She knows teaching and learning strategies and can assess them.

Courses  
(V (2) + Ü (2))

Method of assessment  
written examination (approx. 60 to 90 minutes).
If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate).
Language of assessment: German; exceptions pursuant to Section 29 Subsection 4 LPO I (examination regulations for teaching-degree programmes)

Allocation of places  
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Additional information  
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Referred to in LPO I (examination regulations for teaching-degree programmes)  
§ 38 I Nr. 1

Module appears in  
First state examination for the teaching degree Sonderpädagogik Didactics in Mathematics (Middle School) (2015)
First state examination for the teaching degree Sonderpädagogik Teaching at the German Mittelschule (2015)
First state examination for the teaching degree Mittelschule Didactics in Mathematics (Middle School) (2015)
First state examination for the teaching degree Mittelschule Teaching at the German Mittelschule (2015)