Module title
Didactics of Mathematics - Geometry (German Mittelschule/Realschule)

Abbreviation
10-M-DGMR1-152-m01

Module coordinator
Dean of Studies Mathematik (Mathematics)

Module offered by
Institute of Mathematics

ECTS
5

Method of grading
Numerical grade

Only after succ. compl. of module(s)
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Duration
1 semester

Module level
Undergraduate

Other prerequisites
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Contents
Topics in geometry at Mittelschule and Realschule are discussed, taking didactic aspects into account: goals of teaching geometry, constructions, proofs, problem solving and conceptualisation in geometry.

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

Allocation of places
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Additional information
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Referred to in LPO I
§ 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)