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| Module title | | Abbreviation |
| Didactics of Mathematics - Geometry (German Mittelschule/Realschule) | | 10-M-DGMR1-152-m01 |
| Module coordinator | | Module offered by |
| Dean of Studies Mathematik (Mathematics) | | Institute of Mathematics |
| ECTS | Method of grading | Only after succ. compl. of module(s) |
| 5 | numerical grade | -- |
| Duration | Module level | Other prerequisites |
| 1 semester | undergraduate | -- |
| 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 und can assess them. | | |
| Courses (type, number of weekly contact hours, language – if other than German) | | |
| V (2) + Ü (2) | | |
| Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus) | | |
| 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). creditable for bonus | | |
| Allocation of places | | |
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| Additional information | | |
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| Workload | | |
| 150 h | | |
| Teaching cycle | | |
| -- | | |
| 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)) exchange program Mathematics (2023) | | |