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| Module title | | Abbreviation |
| Introduction to Hands-on Mathematics | | 10-M-PRM1-152-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) |
| 3 | (not) successfully completed | -- |
| Duration | Module level | Other prerequisites |
| 1 semester | undergraduate | -- |
| Contents | | |
| <p>Elaboration of a school project on a topic in mathematics, e. g. for project days, school term papers (Facharbeiten), Pluskurse (additional courses for the in-depth study of areas of special interest), workshops. In the theoretical phase, the students formulate the subject-specific and didactic requirements of the topic, search for a suitable topic, elaborate this topic for the project and draw up a project plan. This is done in groups with students providing each other with advice as well as challenging and reflecting on each other's work.</p> | | |
| Intended learning outcomes | | |
| The student is able to select a suitable mathematical topic for a school project and elaborate it. | | |
| Courses (type, number of weekly contact hours, language – if other than German) | | |
| S (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) | | |
| project (10 to 15 pages) Assessment offered: Every two years, winter semester | | |
| Allocation of places | | |
| -- | | |
| Additional information | | |
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| Workload | | |
| 90 h | | |
| Teaching cycle | | |
| -- | | |
| Referred to in LPO I (examination regulations for teaching-degree programmes) | | |
| § 22 II Nr. 2 f § 22 II Nr. 3 f) | | |
| Module appears in | | |
| <p>First state examination for the teaching degree Realschule Mathematics (2015) First state examination for the teaching degree Gymnasium Mathematics (2015) First state examination for the teaching degree Gymnasium Mathematics (2019) exchange program Mathematics (2023) First state examination for the teaching degree Gymnasium Mathematics (2023)</p> | | |