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| Module title | | Abbreviation |
| Discrete Mathematics | | 10-M=VDIMin-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 | graduate | -- |
| Contents | | |
| Advanced methods and results in a selected field of discrete mathematics (e. g. coding theory, cryptography, graph theory or combinatorics) | | |
| Intended learning outcomes | | |
| The student is acquainted with advanced results in a selected topic in discrete mathematics. | | |
| Courses (type, number of weekly contact hours, language — if other than German) | | |
| V (3) + Ü (1) Module taught in: English | | |
| Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus) | | |
| a) written examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approx. 15 minutes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Assessment offered: In the semester in which the course is offered and in the subsequent semester Language of assessment: English 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) | | |
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| Module appears in | | |
| Master's degree (1 major) Mathematics International (2015) Master's degree (1 major) Physics International (2020) Master's degree (1 major) Quantum Engineering (2020) Master's degree (1 major) Mathematics International (2021) Master's degree (1 major) Mathematics International (2022) Master's degree (1 major) Quantum Engineering (2024) Master's degree (1 major) Physics International (2024) | | |