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| Module title | | Abbreviation |
| Nanoscale Materials | | o8-PCM3-161-m01 |
| Module coordinator | | Module offered by |
| lecturer of the seminar "Nanoskalige Materialien" | | Institute of Physical and Theoretical Chemistry |
| ECTS | Method of grading | Only after succ. compl. of module(s) |
| 5 | numerical grade | -- |
| Duration | Module level | Other prerequisites |
| 1 semester | graduate | -- |
| Contents | | |
| This module discusses advanced topics in nanoscale materials. It focuses on the structure, properties, fabrication, modern characterisation methods and application areas of nanoscale materials. | | |
| Intended learning outcomes | | |
| Students are able to characterise nanoscale materials. They are able to name analytical methods and application areas of nanoscale materials. | | |
| Courses (type, number of weekly contact hours, language — if other than German) | | |
| S (2) + Ü (1) Module taught in: German or 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. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English creditable for bonus | | |
| Allocation of places | | |
| -- | | |
| 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) Chemistry (2016) Master's degree (1 major) Mathematics (2016) Master's degree (1 major) Computational Mathematics (2016) Master's degree (1 major) Functional Materials (2016) Master's teaching degree Gymnasium MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2016) Supplementary course MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2016) Master's degree (1 major) Chemistry (2018) Master's degree (1 major) Computational Mathematics (2019) Master's degree (1 major) Mathematics (2019) Master's teaching degree Gymnasium MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2020) Supplementary course MINT Teacher Education PLUS, Elite Network Bavaria (ENB) (2020) Bachelor' degree (1 major) Quantum Technology (2021) | | |

Master's degree (1 major) Computational Mathematics (2022)
Master's degree (1 major) Functional Materials (2022)
Master's degree (1 major) Mathematics (2022)
Master's degree (1 major) Chemistry (2024)
Master's degree (1 major) Computational Mathematics (2024)
Master's degree (1 major) Mathematics (2024)