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| <b>Module title</b>  |                          | <b>Abbreviation</b>   |
| Laboratory and Measurement Technology  |                          | 11-A3-132-m01   |
| <b>Module coordinator</b>  |                          | <b>Module offered by</b>  |
| Managing Director of the Institute of Applied Physics  |                          | Faculty of Physics and Astronomy  |
| <b>ECTS</b>  | <b>Method of grading</b> | <b>Only after succ. compl. of module(s)</b>   |
| 6  | numerical grade          | --  |
| <b>Duration</b>  | <b>Module level</b>      | <b>Other prerequisites</b>  |
| 1 semester   | undergraduate            | Admission prerequisite to assessment: successful completion of approx. 50% of exercises. Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semesters. |
| <b>Contents</b>  |                          |   |
| Introduction to electronic and optical measuring methods of physical metrology, vacuum technology and cryogenics, cryogenics, light sources, spectroscopic methods and measured value acquisition.   |                          |   |
| <b>Intended learning outcomes</b>  |                          |   |
| The students have acquired the following transferable skills: Electronic and optical measuring methods in physical metrology, cryogenics and vacuum technology, cryogenics, light sources, spectroscopic methods and measured value acquisition. |                          |   |
| <b>Courses</b> (type, number of weekly contact hours, language – if other than German)   |                          |   |
| V + Ü (no information on SWS (weekly contact hours) and course language available)   |                          |   |
| <b>Method of assessment</b> (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)   |                          |   |
| written examination (approx. 120 minutes)  |                          |   |
| <b>Allocation of places</b>  |                          |   |
| Only as part of pool of general key skills (ASQ): 15 places. Places will be allocated by lot.  |                          |   |
| <b>Additional information</b>  |                          |   |
| Course offered every year, winter semester.  |                          |   |
| <b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)   |                          |   |
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| <b>Module appears in</b>   |                          |   |
| keinem Studiengang zugeordnet  |                          |   |