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| <b>Module title</b>   |                          | <b>Abbreviation</b>  |
| Study Group Statistical Mechanics   |                          | 11-AG-STM-122-m01  |
| <b>Module coordinator</b>   |                          | <b>Module offered by</b>   |
| chairperson of examination committee  |                          | Faculty of Physics and Astronomy   |
| <b>ECTS</b>   | <b>Method of grading</b> | <b>Only after succ. compl. of module(s)</b>  |
| 10  | numerical grade          | --   |
| <b>Duration</b>   | <b>Module level</b>      | <b>Other prerequisites</b>   |
| 1 semester  | graduate                 | 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 semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew. |
| <b>Contents</b>   |                          |  |
| Introduction to current questions of statistical mechanics as a preparation for a Master's thesis in this research area. Summary of the required fundamental topics in a seminar presentation.  |                          |  |
| <b>Intended learning outcomes</b>   |                          |  |
| The students have advanced knowledge of statistical mechanics and have gained insights into current research topics. They are able to summarise their knowledge in an oral presentation.  |                          |  |
| <b>Courses</b> (type, number of weekly contact hours, language — if other than German)  |                          |  |
| S (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)  |                          |  |
| talk with discussion (approx. 30 to 45 minutes)<br>Assessment offered: When and how often assessment will be offered depends on the method of assessment and will be announced in due form under observance of Section 32 Subsection 3 ASPO (general academic and examination regulations) 2009.<br>Language of assessment: German, English |                          |  |
| <b>Allocation of places</b>   |                          |  |
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| <b>Additional information</b>   |                          |  |
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| <b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)  |                          |  |
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| <b>Module appears in</b>  |                          |  |
| Master's degree (1 major) Mathematical Physics (2012)   |                          |  |