

| Module title   |                              | Abbreviation                         |
|--|------------------------------|--------------------------------------|
| Scientific Methods and Project Management Physics  |                              | 11-MP-P-161-mo1                      |
| Module coordinator   |                              | Module offered by                    |
| chairperson of examination committee   |                              | Faculty of Physics and Astronomy     |
| ECTS   | Method of grading            | Only after succ. compl. of module(s) |
| 15   | (not) successfully completed | --                                   |
| Duration   | Module level                 | Other prerequisites                  |
| 1 semester   | graduate                     | --                                   |
| Contents   |                              |                                      |
| Introduction to the methods of scientific work, taking into account methods of project planning. Application to theoretical and experimental questions of Physics, writing of a scientific project plan for the planned Master's thesis.   |                              |                                      |
| Intended learning outcomes   |                              |                                      |
| The students have knowledge of scientific methods and methodological work, including project planning methods of a current experimental and theoretical subdiscipline of Physics with special relevance to the intended topic of the Master's thesis. They are able to draft a project plan for the Master's thesis and to plan the required experimental or theoretical work. They are able to describe their projects in oral presentations. |                              |                                      |
| Courses (type, number of weekly contact hours, language — if other than German)  |                              |                                      |
| R (4)<br>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)  |                              |                                      |
| talk with discussion (30 to 45 minutes)<br>Language of assessment: German and/or English   |                              |                                      |
| Allocation of places   |                              |                                      |
| --   |                              |                                      |
| Additional information   |                              |                                      |
| --   |                              |                                      |
| Workload   |                              |                                      |
| 450 h  |                              |                                      |
| Teaching cycle   |                              |                                      |
| --   |                              |                                      |
| Referred to in LPO I (examination regulations for teaching-degree programmes)  |                              |                                      |
| --   |                              |                                      |
| Module appears in  |                              |                                      |
| Master's degree (1 major) Physics (2016)<br>Master's degree (1 major) Physics (2020)   |                              |                                      |