**Module title**  
Scientific Methods and Project Management Physics

**Abbreviation**  
11-MP-P-161-m01

**Module coordinator**  
chairperson of examination committee

**Module offered by**  
Faculty of Physics and Astronomy

**ECTS**  
15

**Method of grading**  
(only) successfully completed

**Duration**  
1 semester

**Module level**  
graduate

**Other prerequisites**  
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**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)  
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)  
Language of assessment: German and/or English

**Allocation of places**  
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**Additional information**  
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**Referred to in LPO I** (examination regulations for teaching-degree programmes)

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**Module appears in**

Master’s degree (1 major) Physics (2016)
Master’s degree (1 major) Physics (2020)