## Advanced Practical Course Bachelor

### Abbreviation
11-PFB-072-m01

### Module coordinator
Managing Director of the Institute of Applied Physics

### Module offered by
Faculty of Physics and Astronomy

### ECTS
4

### Method of grading
Only after succ. compl. of module(s)

### (not) successfully completed
11-E1, 11-E2

### Duration
1 semester

### Module level
undergraduate

### Other prerequisites
11-A3

### Contents
Principles of Nuclear, Atomic and Molecular Physics, experiments on cryogenic temperatures and correlated systems, properties of solids, surfaces and interfaces.

### Intended learning outcomes
The students have knowledge of conducting an experiment and of analysing and documenting the experimental results. They have basic knowledge of issuing a scientific publication and of using modern evaluation systems. They are able to work on a task based on publications and to acquire practical experimental methods.

### Courses

<table>
<thead>
<tr>
<th>Type</th>
<th>Course Description</th>
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<tbody>
<tr>
<td>Fortgeschrittenen-Praktikum Bachelor Theorie (Advanced Practical Course Bachelor Theory): S</td>
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<tr>
<td>Fortgeschrittenen-Praktikum Bachelor Praxis (Advanced Practical Course Bachelor Practice): P</td>
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### Method of assessment

This module has the following assessment components

1. Seminar: talk (with discussion) demonstrating the students' understanding of the physics-related aspects of the experiments to be prepared (approx. 30 minutes)
2. Lab course: Preparing, performing and evaluating the experiments will be considered successfully completed if a Testat (exam) is passed. Students must prepare an experiment log (8 to 10 pages).

Students must register for assessment components 1 and 2 online (details to be announced).

To pass this module, students must pass both assessment component 1 and assessment component 2.

### Allocation of places

- ...

### Additional information

- ...

### Referred to in LPO I
(examination regulations for teaching-degree programmes)

- ...

### Module appears in

<table>
<thead>
<tr>
<th>Degree</th>
<th>Year</th>
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<td>Bachelor’ degree (1 major) Physics</td>
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<td>Bachelor’ degree (1 major) Physics</td>
<td>2009</td>
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<td>Bachelor’ degree (1 major) Physics</td>
<td>2008</td>
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<tr>
<td>Bachelor’ degree (1 major) Nanostructure Technology</td>
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