## Module description

<table>
<thead>
<tr>
<th>Module title</th>
<th>Abbreviation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laboratory Course Physics B (minor)</td>
<td>11-P-BNB-152-m01</td>
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</tbody>
</table>

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

### Module offered by
Faculty of Physics and Astronomy

<table>
<thead>
<tr>
<th>ECTS</th>
<th>Method of grading</th>
<th>Other prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>(not) successfully completed</td>
<td>Students are highly recommended to complete modules 11-P-BNA and 11-P-FR1 prior to completing module 11-P-BNB.</td>
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</tbody>
</table>

### Contents

Physical laws of optics, vibrations and waves, science of electricity and circuits with electric components.

### Intended learning outcomes

The student has knowledge and mastery of physical measuring instruments and experimental techniques. He/She is able to plan experiments independently and to perform well in cooperation with others, and to document the measurement results in a measurement protocol. He/She is able to evaluate the measurement result using error propagation and basics of statistics, to draw conclusions and to present and to discuss theses conclusions.

### Courses

<table>
<thead>
<tr>
<th>Type</th>
<th>Number of weekly contact hours</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>P</td>
<td>(2)</td>
<td></td>
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</table>

### Method of assessment

Practical assignment with talk (approx. 30 minutes)

Preparing, performing and evaluating (record of readings or lab report) the experiments will be considered successfully completed if a Testat (exam) is passed. Exactly one experiment that was not successfully completed can be repeated once. After completion of all experiments, talk (with discussion; approx. 30 minutes) to test the candidate’s understanding of the physics-related contents of the module. Talks that were not successfully completed can be repeated once. Both components of the assessment have to be successfully completed.

### 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

Bachelor's degree (1 major, 1 minor) Physics (Minor, 2015)