### Module title
Laboratory Course Mathematical Physics B

### Abbreviation
11-P-MPB-122-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)

### Duration
1 semester

### Module level
undergraduate

### Other prerequisites
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### Contents
Physical laws of optics, vibrations and waves, science of electricity and circuits with electric components.

### Intended learning outcomes
The students know and have mastered physical measuring methods and experimenting techniques. They are able to independently plan and conduct experiments, to cooperate with others, and to document the results in a measuring protocol. They are able to evaluate the measuring results on the basis of error propagation and of the principles of statistics and to draw, present and discuss the conclusions.

### Courses
P (no information on SWS (weekly contact hours) and course language available)

### Method of assessment
(a) Preparing, performing and evaluating (lab report) the experiments will be considered successfully completed if a Testat (exam) is passed. Experiments that were not successfully completed can be repeated once. And b) talk (with discussion; approx. 30 minutes) to test the candidate’s understanding of the physics-related contents of the module component. 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 on module duration: 1 to 2 semesters.

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

### Module appears in
Bachelor’s degree (1 major) Mathematical Physics (2012)