

| Module title | | Abbreviation |
|---|------------------------------|--------------------------------------|
| Introduction to Physics for Students of Biology | | 11-ENF-Bio2-152-m01 |
| Module coordinator | | Module offered by |
| Managing Director of the Institute of Applied Physics | | Faculty of Physics and Astronomy |
| ECTS | Method of grading | Only after succ. compl. of module(s) |
| 4 | (not) successfully completed | -- |
| Duration | Module level | Other prerequisites |
| 1 semester | undergraduate | -- |
| Contents | | |
| Fundamentals of optics. | | |
| Intended learning outcomes | | |
| The students understand the basic contexts of optics and have knowledge of experimental observations. They have detected and understood physical contexts on the basis of the implementation of own experiments. They have a basic understanding of physical phenomena and know the basic ideas and ways of functioning of different measuring and imaging methods as well as their applications, especially in the field of Biomedicine. | | |
| Courses (type, number of weekly contact hours, language — if other than German) | | |
| V (3) + P (4) | | |
| Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus) | | |
| oral test during experiments (approx. 15 minutes) and written examination (90 minutes). Each experiment comprises preparation, performance and evaluation. Test as well as performance of experiments can each be repeated once. a) practical assignment with oral test (approx. 15 minutes) and b) written examination (approx. 90 minutes) | | |
| Allocation of places | | |
| -- | | |
| Additional information | | |
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| Workload | | |
| 120 h | | |
| Teaching cycle | | |
| -- | | |
| Referred to in LPO I (examination regulations for teaching-degree programmes) | | |
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| Module appears in | | |
| Bachelor' degree (1 major) Biology (2015) Bachelor' degree (1 major) Biology (2017) Bachelor' degree (1 major) Biology (2021) Bachelor' degree (1 major) Biology (2022) | | |