Module title: Introduction to Physics for Students of Biology

Abbreviation: 11-ENF-Bio2-152-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 successfully completed module(s)

Duration: 1 semester

Module level: undergraduate

Other prerequisites: --

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:
V (3) + P (4)

Method of assessment:
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:
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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' degree (1 major) Biology (2015)
Bachelor' degree (1 major) Biology (2017)