### Module title

**Introduction to Physics for Students of Biology**

**Abbreviation**

11-ENF-Bio-132-m01

### Module coordinator

Managing Director of the Institute of Applied Physics

### Module offered by

Faculty of Physics and Astronomy

### ECTS

6

### Method of grading

Only after succ. compl. of module(s)

### Numerical grade

--

### Duration

2 semester

### Module level

undergraduate

### Other prerequisites

--

### Contents

Lectures: Mechanics, vibration theory, optics. Work placement: A selection of simple experiments from the fields of mechanics, optics, vibration theory, thermodynamics, science of electricity, Atomic and Nuclear Physics, imaging methods.

### Intended learning outcomes

The students understand the basic connections between mechanics and 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

<table>
<thead>
<tr>
<th>Type</th>
<th>Number of weekly contact hours</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>V + V + P</td>
<td>(no information on SWS (weekly contact hours) and course language available)</td>
<td></td>
</tr>
</tbody>
</table>

### Method of assessment

a) written examination (approx. 60 to 120 minutes) and b) oral test (approx. 15 minutes) during lab course experiments and successful completion of experiments (ungraded)

### Allocation of places

--

### Additional information

--

### Referred to in LPO I

(examination regulations for teaching-degree programmes)

--

### Module appears in

Bachelor' degree (1 major) Biology (2013)