

**Academic discipline:  
«Physics»**

<b>Code and name of specialty</b>	6-05-0511-04 Biomedical Science
<b>Training course</b>	1
<b>Semester of training</b>	2
<b>Number of classhours:</b>	96
<b>Lectures</b>	42
<b>Seminar classes</b>	-
<b>Practical classes</b>	26
<b>Laboratory classes</b>	28
<b>Form of current assessment (credit/differential credit/exam)</b>	exam
<b>Number of credits</b>	6
<b>Competencies to be formed</b>	Learning the discipline «Physics» should provide the formation of universal and basic professional competences: to possess a culture of thinking, to be able to perceive, generalise and analyse information, philosophical, worldview problems; to be able to apply the basic theoretical and methodological provisions of physics and higher mathematics in conducting scientific research and practical activities in the field of biology and medicine.
<b>Brief content of the academic discipline:</b>	
The discipline «Physics» is divided into the following sections: the role of physics in the natural sciences; physical quantities and units of measurement; basic mechanics; basic molecular physics and thermodynamics; electricity and magnetism; optics; basic quantum optics and the physics of atoms and molecules; atomic nucleus physics.	