

**Academic discipline:**  
**" General medical microbiology with the basics of virology "**

<b>Code and name of specialty</b>	1-80 02 01 Biomedical science
<b>Training course</b>	2
<b>Semester of training</b>	3
<b>Number of class hours:</b>	94
<b>Lectures</b>	56
<b>Seminar classes</b>	6
<b>Practical classes</b>	
<b>Laboratory classes</b>	32
<b>Form of current assessment (credit/differential credit/exam)</b>	exam
<b>Number of credits</b>	6
<b>Competencies to be formed</b>	Mastering the discipline "Genetics" should provide the formation of basic professional competencies: be able to apply basic understanding of the diversity of biological objects (plants, animals and microorganisms) and the importance of biodiversity for biosphere sustainability, as well as methods of observation, description, identification, classification, cultivation of biological objects in professional activities.
<p style="text-align: center;"><b>Summary of the content of the academic discipline:</b></p> <p>Microbiology and virology are the leading biological disciplines that provide fundamental knowledge to a specialist biologist about the world of microorganisms, forming his scientific worldview. The modern science of microorganisms is closely related to cytology, molecular biology, genetics, biochemistry, physiology, biotechnology and other biological sciences. The variety of physiological, biochemical and genetic properties of microorganisms is considered in the context of their distribution and existence in various ecological niches. Laboratory classes provide for the development of microscopy techniques in an immersion system, the study of ready-made and native microbiological preparations, drawing, identification of microorganisms.</p>	