

**Academic discipline:  
" Methods of teaching physics "**

<b>Code and name of specialty</b>	1-02 05 02 Physics and Informatics
<b>Training course</b>	2
<b>Semester of training</b>	3/4
<b>Number of class hours:</b>	118
<b>Lectures</b>	36
<b>Seminar classes</b>	
<b>Practical classes</b>	48
<b>Laboratory classes</b>	34
<b>Form of current assessment (credit/differential credit/exam)</b>	credit/exam
<b>Number of credits</b>	3/3
<b>Competencies to be formed</b>	To apply techniques and methods of problem solving to perform tasks of school courses in physics, mathematics and computer science
<b>Summary of the content of the academic discipline:</b>	
<p>1. General questions of the methodology of teaching physics. The scientific foundations of building a physics course in institutions of general secondary education. The objectives of teaching physics in institutions of general secondary education. Methods and forms of teaching physics. A demonstration experiment in teaching physics. Laboratory experiment in teaching physics. Problem solving as a method of teaching physics. Modern technologies of teaching physics.</p> <p>2. Particular issues of the methodology of teaching physics. Scientific and methodological analysis of the main topics of the school physics course.</p>	