

**Academic discipline:**  
**"Methodology of teaching problem solving in physics"**

<b>Code and name of specialty</b>	1- 02 05 0 Physics and computer science
<b>Training course</b>	3
<b>Semester of training</b>	5
<b>Number of class hours</b>	56
<b>Lectures</b>	10
<b>Seminar classes</b>	-
<b>Practical classes</b>	46
<b>Laboratory classes</b>	-
<b>Form of current assessment (credit/differential credit/exam)</b>	Credit
<b>Number of credits</b>	3
<b>Competencies to be formed</b>	To apply the methodology of forming physical concepts and teaching physical problem solving, conducting a workshop, physical experiment in the educational process at the level of general secondary education
<b>Summary of the content of the academic discipline:</b>	
<ol style="list-style-type: none"> <li>1. General issues of discipline</li> <li>2. Problem solving in mechanics</li> <li>3. Problem solving in thermodynamics and statistical physics</li> <li>4. Problem solving in electrodynamics</li> <li>5. Problem solving on vibrations and waves</li> <li>6. Problem solving in optics</li> <li>7. Problem solving in quantum physics</li> </ol>	