

**The name of the academic discipline:
«Statics, kinematics, dynamics»**

Code and name of specialty	1-02 05 02 Physics and Informatics
Training course	1
Semester of training	2
Number of class hours:	132
Lectures	50
Seminar classes	-
Practical classes	42
Laboratory classes	40
Form of current assessment (credit/differential credit/exam)	credit/exam
Number of credits	6
Competencies to be formed	Mastering the academic discipline "Statics, Kinematics, Dynamics" should ensure the formation of basic professional competence: to use the basic laws of mechanics to solve experimental, computational and research problems considered at the basic and specialized levels of teaching physics in institutions providing general secondary education.
<p>Summary of the academic discipline:</p> <p>Discipline "Statics, kinematics, dynamics" includes the following sections: introduction, kinematics of a material point, dynamics of a material point, dynamics of a system of material points, solid body mechanics, mechanics of liquids and gases, oscillatory motion, wave motion, acoustics, universal gravitation, motion in non-inertial systems, fundamentals of the theory of relativity.</p>	