

**Academic discipline:  
«Fundamentals of modern natural science»**

<b>Code and name of specialty</b>	6-05-0115-03 Physical Culture Education
<b>Training course</b>	1
<b>Semester of training</b>	1
<b>Number of class hours</b>	34
<b>Lectures</b>	10
<b>Seminar classes</b>	-
<b>Practical classes</b>	24
<b>Laboratory classes</b>	-
<b>Form of current assessment (credit/differential credit/exam)</b>	exam
<b>Number of credits</b>	3
<b>Competencies to be formed</b>	Know the objective laws of nature and their significance for the organization of human society. Master the basic concepts and trends in the development of modern natural science, have an idea of the natural science picture of the world. Be able to analyze real situations in the field of professional activity and choose optimal solutions from several possible ones, using the fundamental principles of natural science.

**Summary of the content of the academic discipline:**

The course "Fundamentals of Modern Natural Science" gives an idea of the natural science picture of the world, integrates into a single whole the most fundamental and characteristic achievements of the leading sciences studying nature. Special attention is paid to modern fundamental scientific provisions, knowledge of which allows us to draw methodological and ideological conclusions necessary for the formation of specialist competencies in any field of human activity.

The main purpose of this discipline is to form students' panoramic, holistic vision of the picture of modern natural science as one of the fundamental parts of human culture and as a special way of human communication with the world.