

**PHYSICS
ANNOTATION**

TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty _1-27 01 01 -Economics and organization of production

Direction of specialty _____

Specialization _____

	Full-time (daytime)	Correspondence abbreviated
Well	2	2
Semester	3	3
Lectures, hours	34	8
Practical lessons, hours	16	2
Laboratory classes, hours	16	4
Exam, semester	3	3
Classroom hours for the academic discipline (including hours at the USSR)	66	14
Independent work, hours	42	94
Total hours per discipline / credits	108/3	108/3

The purpose of the discipline is to provide the future engineer with the basis of his theoretical training in various fields of physical science, which allows him to navigate the flow of scientific and technical information and the formation of a materialistic worldview and the scientific method of cognition.

As a result of studying the discipline, the student must know the basic laws and theories of classical and modern physical science, as well as the limits of their applicability; methods for measuring the physical characteristics of substances and fields; physical foundations of methods for studying substances; principles of experimental and theoretical study of physical phenomena and processes; be able to apply the laws of physics to solve applied engineering problems; use the main measuring instruments in the experimental study of physical and technological processes; process and analyze the results of experimental measurements of physical quantities; own methods for measuring the physical characteristics of substances and fields; the basics of methods for the study of matter; principles of experimental and theoretical study of physical phenomena and processes.

Codes of generated competencies	Names of competencies being formed
BOD-1	Know the basic concepts, laws and methods of mathematics and physics for data processing and performing engineering and economic calculations

Assessment of the level of knowledge of students is carried out by using various means of diagnosing competencies. These are the means of current diagnostics: written test questions on theory (twice a semester), written tests on solving problems, reports on laboratory work with their oral defense. Intermediate attestation (exam) is carried out in two stages. The first stage includes a written answer to the questions, which are a selection of the questions submitted for the exam, and one task. The second stage consists in a brief conversation with the student on the fundamental issues of the course.