PHYSICS
ANNOTATION
TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty _1-70 02 01 - Industrial and civil construction

Direction of specialty _____

Specialization_____

	Form of higher education		
	Full-time (daytime)	Part-time	Part-time reduced
Well	1, 2	2	1, 2
Semester	2, 3	3,4	2, 3
Lectures, hours	68	16	16
Practical lessons, hours	34	8	8
Laboratory classes, hours	50	12	10
Classroom examination (semester, hours)		3rd semester (2 hours), 4th semester (2 hours)	2-semester (2 hours), 3rd semester (2 hours)
Report, semester	2	3	3
Exam, semester	3	4	2
Classroom hours per academic discipline	152	40	38
Independent work, hours	138	250	252
Total hours per discipline / credits	290/7	290/7	290/7

1. The purpose of the academic 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.

2. As a result of mastering the academic 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 measuring instruments in the experimental study of physical and technological processes; process and analyze the results of experimental measurements of physical quantities; own: methods of physical modeling of technical processes; methods of analysis and solution of applied engineering problems.

3. Formed competencies AC-1 Be able to apply basic scientific and theoretical knowledge to solve theoretical and practical problems; AC-3 Possess research skills; AC-4 Be able to work independently; AC-9 Be able to learn, improve their skills throughout their lives; SPC-3 Possess the ability to interpersonal communications; PC-2 Interact with specialists related to the construction of profiles; PC-5 Use operational and global information resources; PC-8 Organize measures to ensure energy saving and environmental safety in the course of construction and installation works.

4. The current attestation of students is carried out to determine the compliance of the results of their educational activities with the requirements of educational standards, curriculum documentation of educational programs of higher education. Forms of the current attestation of students are tests and exams. Current certification is carried out in oral or oral-written form. The form of intermediate certification is a test, which is carried out in writing.