TECHNOLOGICAL FEATURES OF REPAIR AND RECONSTRUCTION OF BUILDINGS AND STRUCTURES

ANNOTATION
TO THE CURRICULUM OF HIGHER EDUCATION INSTITUTIONS

Speciality 7-06-0732-01 "Construction"
Profiling "Industrial and civil construction"
Advanced higher education

	Form of higher education	
	Full-time (day)	Correspondence
Well	2	2
Semester	3	4
Lectures, hours	34	8
Practical (seminars)classes, hours	34	8
Exam, semester	3	4
Classroom hours per academic discipline	68	16
Independent work, hours	132	184
Total hours per academic discipline/credit units	200/6.0	200/6.0

1. Brief content of the academic discipline: organization of construction work during the reconstruction of buildings and structures; dismantling of building structures during the reconstruction of buildings and structures; technological features of repair and reconstruction of buildings and structures; technological features of rehabilitation of exploited combined roofs and finishing coatings; technology of work during reconstruction and repurposing of industrial enterprises.
2. As a result of studying the discipline, the student must:
know: modern advanced building materials and technologies, requirements and content of design estimates, tasks, technological features of the construction of new and reconstruction of existing buildings and structures; techniques for the reconstruction of residential, public and industrial buildings; urban planning and environmental aspects of reconstruction of industrial enterprises; requirements for the reconstruction of buildings taking into account accessibility for people with disabilities and other less mobile groups of the population;
be able to: formulate and solve problems that arise in the process of research work and require in-depth professional knowledge; process the results of scientific research, choose optimal methods of scientific research, rational design solutions and methods of work; analyze the results of scientific research taking into account the specifics of new construction and reconstruction of buildings and structures; conduct bibliographic work using modern information technologies;
have the skill: methods of researching design solutions and methods of work during new construction and reconstruction of buildings and structures; fundamental knowledge of construction technologies; methodology for assessing the effectiveness of existing and designed technological solutions at various stages of new construction and reconstruction of buildings and structures; the basics of scientific research methodology in the development of new construction technologies; techniques for the reconstruction of residential, public and industrial buildings.
3. Competencies being developed
- Apply regulatory documentation for the repair and reconstruction of buildings and structures and use the acquired knowledge to solve professional problems.
4. Current certification of students is carried out to determine the compliance of the results of their educational activities with the requirements of educational standards of higher education. The form of current certification of students is an exam. Current certification is carried out in oral or oral-written form. The form of intermediate certification is a survey on the topics of lectures and practical classes, which is carried out in written form.