

CONSTRUCTION PRODUCTION TECHNOLOGY SUMMARY

TO THE CURRICULUM OF THE EDUCATIONAL INSTITUTION

Specialty 6-05-0732-02 Real estate expertise and management

	Study mode	
	full-time	
Year	3	3
Semester	5	6
Lectures, hours	34	34
Practical (seminar) classes, hours	16	34
Laboratory classes, hours	16	-
Course project, semester	-	6
Exam, semester	5	6
Classroom hours per academic discipline	66	68
Independent work, hours	78	76
Total course duration in hours / credit units	288/8	

1. Summary of the academic discipline: fundamentals of construction production technology; technological design of construction production; transportation of construction goods; technology of excavation; technology of pile work; technology of concrete and reinforced concrete work; technology of stone work; installation of building structures; technology of insulation and roofing work; technology of finishing work; technology floor arrangements.

2. As a result of mastering the academic discipline, the student must know: the main provisions and tasks of construction production; types and features of construction processes and works during the construction of buildings and structures; required labor and material resources; technical and tariff rationing; quality requirements for construction products and methods of its provision; technological modes of construction processes; requirements of regulatory and technical documents in construction; selection methodology and documentation of organizational and technological solutions at the design stage, requirements and provision of labor and environmental protection;

be able to: continuously replenish their knowledge, analyze historical and modern problems of the socio-economic and spiritual life of society, know the ideology of the Belarusian state, moral and legal norms, be able to take them into account in their daily activities; establish the composition of work operations and the structure of construction processes; reasonably choose the method of performing the construction process, the necessary technical means, the composition of workers (including the use of computer technology); design construction works and processes, develop technological maps, determine the required number of workers, mechanisms, materials, semi-finished products and products; issue production assignments to teams (workers); use regulatory and technical documents in force in the construction industry; measure volumes, accept completed construction and installation to carry out work quality control;

knowledge of the methodology for justifying rational methods of work, means of complex mechanization of construction works and processes; knowledge of the database of technical regulations and legal acts in construction; design of construction works and processes; use and application in practice of individual sections of design and estimate documentation; knowledge of rules and requirements labor and environmental protection.

3. Emerging competencies: master the basics of research, search, analyze and synthesize information; to take the initiative and adapt to changes in professional activity; to develop technological maps, to normalize and control the expenditure of resources for the production of works.

4. Requirements and forms of current and interim certification. The current certification of students is carried out to determine the compliance of the results of their academic activities with the requirements of educational standards of higher education. The form of current student assessment is an exam. The current assessment is conducted orally. The form of intermediate assessment is a survey on the topics of lectures and practical exercises, which is conducted in writing.