

**PRICING IN CONSTRUCTION**

(name of the discipline)

**ANNOTATION****TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION****Specialty 1-70 02 01 - Industrial and civil construction**

	STUDY MODE		
	full-time	part-time	part-time (shortened program)
Year	4	4	4
Semester	7	8	7
Lectures, hours	16	4	4
Practical classes (seminars), hours	30	6	6
Exam, semester	7	8	7
Contact hours	46	10	10
Independent study, hours	10	46	46
Total course duration in hours / credit units	56/1,5		

**1. Brief content of the discipline**

The purpose of teaching the discipline is to study by students the main categories, principles and methods of pricing in construction. The student must learn the regulatory and legislative framework in the field of pricing in construction, the procedure for compiling estimate documentation.

**2. Learning outcomes**

As a result of mastering the academic discipline, the student must

**know:**

- features of the current stage of development of the country's economy;
- the main directions and prospects for the economic development of the construction complex of the Republic of Belarus;
- regulatory and legislative framework in the field of pricing in construction;
- the essence of the basic concepts and terms of pricing.

**be able to:**

- use normative and technical documentation;
- make payments for the work performed;
- calculate the price of construction products;

**own:**

- modern methods of pricing in construction;
- Skills in the preparation of budget documentation.

**3. Formed competencies**

Codes of competencies	The names of the competencies being formed
AC-1	Be able to apply basic scientific and theoretical knowledge to solve theoretical and practical problems
AC-2	Possess system and comparative analysis
AC-3	Possess research skills
AC-4	Be able to work independently
AC-5	Be able to generate new ideas (have creativity)
AC-6	Possess an interdisciplinary approach to solving problems
AC-7	Have skills related to the use of technical means, information management and computer work
AC-8	Have oral and written communication skills
AC-9	Be able to study, improve their skills throughout their lives
SPC-1	Possess the qualities of citizenship
SPC-2	Be capable of social interaction
PC-10	Design structural schemes of buildings and structures of various functional purposes as part of a group of specialists or independently
PC-11	Develop projects for the organization of construction, projects for the production of works and technological maps for certain types of work
PC-12	Perform calculations and construction of building structures using computer-aided design methods
PC-13	To evaluate the effectiveness of the use of various means of mechanization in the design of technology and organization of construction and installation works
PC-14	To determine the current directions of scientific research in the field of construction in order to introduce effective building materials, structures and technologies into practice
PC-15	Organize work on the preparation of abstracts, scientific articles and applications for inventions in the field of industrial and civil engineering
PC-16	To carry out patent and information search, to assess the patentability and patent purity of technical solutions in the field of industrial and civil engineering To carry out patent and information search, to assess the patentability and patent purity of technical solutions in the field of industrial and civil engineering
PC-17	To carry out innovation and inventive activities in the field of construction as part of a team of specialists or independently
PC-18	Organize and carry out production activities for the construction of buildings and structures in accordance with the project documentation and current regulatory documents
PC-19	To set tasks and reasonably choose methods for optimizing production processes in the construction of buildings and structures
PC-20	Analyze operational information about the processes of work at the facility and develop solutions for their optimization
PC-21	To carry out operational quality control of construction and installation works in accordance with the design and regulatory documentation
PC-22	Formulate and implement measures to improve the quality of construction products, reduce energy intensity and material costs when performing construction and installation work
PC-23	Monitor compliance with occupational health and safety standards during the construction of buildings and structures
PC-24	To search, systematize and analyze information on the prospects for the development of the construction industry, innovative technologies, projects and solutions
PC-25	Define the goals of innovation and how to achieve them in the field of construction
PC-26	Work with scientific, technical, legal literature in the field of industrial and civil engineering
PC-27	Develop a feasibility study of the effectiveness of new structural solutions of buildings and structures
PC-28	Conduct experimental studies of new building structures and materials in order to introduce them into production

**4. Requirements and forms of current and intermediate certification.**

For intermediate certification, tests and defense of an individual task are used. The form of the current attestation is a test.