ORGANIZATION AND MANAGEMENT OF CONSTRUCTION PROCESSES
ANNOTATION TO THE CURRICULUM OF THE EDUCATION INSTITUTION
6-05-0732-02 "Real Estate Expertise and Management"

	STUDY MODE
	full-time
Year	4
Semester	7
Lectures, hours	34
Practical classes (seminars), hours	34
Course project, semester	7
Exam, semester	7
Classroom hours per course	68
Independent study, hours	62
Total course duration in hours / credit units	130/4

1. Course outline

1. The construction complex and its organizational structure. 2. The structure and management of organizations in the construction complex 3. The investment cycle in construction and participants in its implementation 4. Organization of regulatory support for the activities of construction organizations and conducting contract tenders in construction 5. Organization of engineering surveys and design of facilities 6. Organization of preparation for construction production 7. Flow organization of construction. 8. Organizational and technological modeling of construction production. 9. Organizational and technological design of construction production. 10. Calendar planning in construction. 11. Design of construction master plans. 12. Organization of construction production during repair, reconstruction and modernization of facilities. 13. Organization of quality assurance of construction products. 19. Organization of acceptance of buildings and structures into operation.

2. Course learning outcomes

Upon completion of the course, students will be expected to

know:

- Requirements of technical regulatory legal acts in the field of construction organization;
- structure of the construction industry of the Republic of Belarus;
- procedure for organizing design work;
- the nature of the relationship between construction organizations and enterprises providing the construction industry with the necessary material and technical resources; basic principles, patterns, rules and methods of management activity;
- existing management methods, technology for making management decisions.

be able to:

- select a method of graphic modeling of construction processes that is appropriate to space-planning and design solutions;
- develop options for organizational and technological schemes for the construction of a facility with an assessment of the effectiveness of each option;
- and prepare the necessary documents for the contractor's participation in tenders.

to possess a skill:

- Using a methodology for developing detailed construction schedules and material and technical resource supply schedules for construction sites;
- designing a construction master plan and performing corresponding calculations for construction projects;
- drawing up acceptance certificates for completed work volumes, writing off material resources, and preparing documents for the commissioning of the facility.

3. Competencies

Master the fundamentals of research, search, analyze, and synthesize information; Work in a team, and tolerate social, ethnic, religious, cultural, and other differences; Show initiative and adapt to changes in professional activities; Develop optimal organizational and technological documentation, analyze the production situation to make management decisions.

4. Requirements and forms of midcourse evaluation and summative assessment

Midterm assessment of students is conducted to determine whether their academic performance meets educational standards. Midterm assessment is conducted through an exam. Midterm assessment can be written or oral and written.