

INFORMATION TECHNOLOGIES IN DESIGN AND SURVEY ACTIVITIES

(course title)

COURSE SYLLABUS ABSTRACT

7-06-0732-01 "Construction"

(speciality code and name)

Industrial and civil construction; Transport construction

(concentration)

	STUDY MODE	
	full-time	part-time
Year	1	1, 2
Semester	1, 2	2, 3
Lectures, hours	32	8
Practical classes (seminars), hours	32	8
Laboratory classes, hours	32	8
Pass/fail, semester	1	2
Exam, semester	2	3
Contact hours	96	24
Independent study, hours	120	192
Total course duration in hours / credit units	216/6	

1. Summary of the academic discipline

The purpose of the academic discipline "Information technologies in design and survey activities" is to study specific information technologies that are used in design and survey activities.

2. Learning outcomes

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

knowledge of: basic information technologies used in design and survey activities; the role and importance of information technology in design and survey activities; project management methods and tools used in design and survey activities; programs for planning, monitoring and managing project resources used in design and survey activities.

be able to: apply programs for project management, including programs for planning, monitoring and managing project resources; use information technology to improve the efficiency and accuracy of management in design and survey activities.

have the skills to use modern information technologies and specialized software in design and survey activities.

3. Emerging competencies

Solve research and innovation tasks based on the use of information and communication technologies

Apply the theory of automated control to the development of automated systems for managing construction and technological processes in construction

4. Requirements and forms of current and interim certification.

Test, exam – intermediate certification.

Current certification – protection of laboratory and practical work

The oral form of attestation is used.