

# **ARCHITECTURE**

(course title)

## **COURSE SYLLABUS ABSTRACT**

### **Industrial and civil construction**

(speciality code and name)

	STUDY MODE
	full-time
Year	<b>2, 3</b>
Semester	4, 5
Lectures, hours	84
Practical classes (seminars), hours	50
Pass/fail, semester	4 5
Contact hours	4, 5
Independent study, hours	134
Total course duration in hours / credit units	154

#### 1. Course outline.

The study of the discipline "Architecture" is one of the fundamental directions of the formation of civil engineers. When studying the discipline, the following sections and subsections are considered: Fundamentals of architectural design. Residential and public buildings and their structures. Features of the design of residential and public buildings. Structures of residential and public buildings with walls made of small-sized elements. Large-element housing construction and structures of large-element residential and public buildings. Industrial building.

#### 2. Course learning outcomes.

Upon completion of the course, students will be expected to

know: the basics of architectural and constructive design; basic design schemes and systems of buildings and structures;

be able to: technically competently develop both constructive and space-planning solutions for civil and industrial buildings; reasonably choose the constructive and building systems of the building; competently perform architectural and construction drawings.

possess: the methods of translating architectural design into materials, structures and technologies; the methods of execution of architectural and construction drawings; the methods of layout of residential and public buildings; the methods for solving nodal connections of prefabricated, precast-monolithic and monolithic buildings.

#### 3. Competencies.

As a result of mastering the discipline, the competencies are formed to master the basics of research activities, to search, analyze and synthesize information; To take the initiative and adapt to changes in professional activity; To apply the requirements of technical regulatory legal acts, to develop design (design) and other technical documentation for construction.

#### 4. Requirements and forms of midcourse evaluation and summative assessment.

Final control in the discipline: exam (4 semester), exam (5 semester).

- TKU – intermediate control of progress:

- TK – test tasks (3rd semester);

- ZPZ – defense of a practical task (4 semester).