

PROMISING METHODS AND INSTRUMENTS FOR NON-DESTRUCTIVE TESTING OF MATERIALS AND STRUCTURES
(name of the discipline)

**ANNOTATION
TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION**

Specialty 1-70 02 01 Industrial and civil construction

Direction of specialty _____

Specialization _____

	Form of higher education			
	full-time (daily)	Correspondence	Correspondence remote	Correspondence abbreviated
Well	four	four		3
Semester	6	eight		6
Lectures, hours	16	four		four
Laboratory classes, hours	16	four		four
Report, semester	6	eight		eight
Exam, semester	-	-		
Classroom hours per academic discipline	32	eight		eight
Independent work, hours	eight	32		32
Total hours per academic discipline/ credit units	40/1			

1. Brief content of the discipline

The purpose of teaching this discipline is to familiarize students with the requirements of regulatory documents, the instrument base, methodological and technological issues of using non-destructive testing to assess the quality indicators of building materials and structures.

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

know: the main defects affecting the technological and operational properties of building materials and structures, the requirements of regulatory documents for them; methods and means of non-destructive testing of parameters of building materials and structures;

be able to: choose the method and means of NDT for specific objects, evaluate their capabilities; carry out, in accordance with the instructions, quality control of building materials and structures using modern instruments and techniques;

own: skills of working with basic reference and regulatory documents for quality control of building materials and structures; skills in the use of standard and modern methods, instruments and equipment when testing materials and structures.

3. Formed competencies

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 works

4. Requirements and forms of current and intermediate certification.

To assess knowledge, intermediate certification is used in the form of defense of laboratory work and current certification - in the form of a test.