

STANDARDIZATION AND CERTIFICATION OF PRODUCTS

NON-DESTRUCTIVE TESTING

SUMMARY

TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 6-05-0716-03 Information and measuring instruments and systems

Profiling: Information systems and technologies of non-destructive testing and diagnostics

	Form of higher education	
	Full-time (day)	Distance learning
Course	2	2
Semester	3	3
Lectures, hours	16	4
Practical (seminar) classes, hours	16	4
Classroom hours in the academic discipline	32	8
Exam, semester	3	2
Independent work, hours	112	136
Total hours in the academic discipline/ credit units	144/4	

1. Summary of the academic discipline.

The purpose of teaching this discipline is to acquire skills in working with regulatory documents on non-destructive testing, correctly select standards for assessing the quality of structural elements of products and objects in general, correctly interpret the results of non-destructive testing and make an assessment of quality in the process of production and operation of industrial products.

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

know: technical regulatory legal acts on various methods of non-destructive testing, documents regulating standards for assessing the quality of various products and objects in different production sectors, issues of metrological support and verification (calibration) of measuring instruments;

be able to: select the necessary regulatory documents for control objects in the relevant production sectors, regulating assessment standards, correctly interpret the results of non-destructive testing for specific products, objects or materials;

have the skill of: choosing control methods and methods of forming requirements for control objects; drawing up reporting documentation on control results

3. Competencies to be formed.

Mastering this academic discipline should ensure the formation of the following competencies:

Use of the regulatory framework of non-destructive testing in the implementation of control and diagnostics

4. Requirements and forms of current and interim certification

Requirements and forms of current and intermediate certification: individual tasks, oral questioning and exam (oral-written form).