STANDARDIZATION OF ACCURACY STANDARDS

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	3
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 to work with normative documents on non-destructive testing, to choose the correct norms of quality assessment of structural elements of products and objects in general, to correctly interpret the results of nondestructive testing and make quality assessment in the process of production and operation of industrial products.

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

know: technical normative legal acts on various methods of non-destructive testing, documents regulating standards of quality assessment 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 the objects of inspection in the relevant production sectors governing the standards of evaluation, correctly interpret the results of non-destructive testing for specific products, objects or materials;

have the skill: in the formation of ideas about the types and methods of assessing the requirements to the objects of control and the design of reporting documentation on the results of control.

3. Competencies to be formed.

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

Use modern regulatory framework in the implementation of control and diagnostics.

4. Requirements and forms of current and interim certification: control work, oral questioning at practical classes and examination (oral and written form).