QUALITY CONTROL AND MANAGEMENT
ANNOTATION TO THE EDUCATIONAL INSTITUTION'S CURRICULUM

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

Specialization Information technologies and non-destructive testing and diagnostic systems

	STUDY MODE		
	full-time	part-time	part-time (shortened program)
Year	4		4
Semester	8		8
Lectures, hours	34		8
Pass/fail, semester	8		8
Contact hours	34		8
Guided independent study, hours, type/ semestr	66		92
Total course duration in hours / credit units	100/3		

1 Course outline

The purpose of teaching this discipline is to summarize all the knowledge gained by students on various types of non-destructive testing (NDT), to teach them how to choose the optimal method (or several methods) of control depending on the information content and production tasks, to organize with maximum efficiency a control service and a quality control system during the production and operation of industrial products, to familiarize with modern principles of product quality management.

2 Course learning outcomes

As a result of mastering the discipline, the student should know: modern features of quality management, basic information about the progressive integrated quality management system, various applications of NC methods and tools in the production of materials and products, the structure and functions of control services at enterprises, issues of metrological support, certification, accreditation, standardization and automation in NK; be able to: choose the optimal method and means of NC for specific facilities, evaluate their capabilities in terms of achieving maximum information content and reliability, organize a laboratory of NC metals in an industrial enterprise; have the skill to: understand the types and methods of forming requirements for parameters, equipment and preparation of regulatory documentation and maintenance personnel for NC in leading industries industry.

3 Competencies

Mastering this academic discipline should ensure the formation of the following competencies: Be able to create technological control systems and enterprise quality management systems

4 Requirements and forms of midcourse evaluation and summative assessment

When studying the discipline, the following methods are used: current attestation in the form of control papers (written form); intermediate attestation in the form of an oral assessment.