

MODERN SYSTEMS AND METHODS OF PRODUCT QUALITY

MANAGEMENT

(name of discipline)

ANNOTATION TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 7-06-0714-02 "Innovative technologies in mechanical engineering".
profiling Mechanical engineering and machine science
Advanced higher education

	STUDY MODE	
	full-time	part-time
Year	1, 2	2
Semester	2, 3	3, 4
Lectures, hours	68	14
Practical classes (seminars), hours	50	12
Pass/fail, semester	2,3	3, 4
Contact hours	118	26
Independent study, hours	398	490
Total course duration in hours / credit units	516/15	

1. Course outline

The discipline " Modern systems and methods of product quality management " contains a set of issues related to ensuring, managing, improving the quality of engineering products on the basis of systems of quality control and management used in world practice.

2. Course learning outcomes

Upon completion of the course, students will be expected to

know:

- stages of development and principles of quality systems;
- theoretical aspects of the scientific approach to quality management of products, works and services;
- the structure of international and national quality standards;
- the content of quality management functions at the enterprise and the main methodological approaches to their implementation;
- modern methods for assessing the level of product quality in mechanical engineering;

be able to:

- qualified use of normative and organizational and methodical documentation related to the evaluation of quality systems;
- apply the basic principles of quality management systems at the enterprise;
- to analyze and evaluate the quality level of the enterprise products;
- apply information technologies of quality management;

have the skill:

- modern methods for assessing the quality of products in mechanical engineering;
- methodological approaches to the implementation of quality management;
- methods of planning, accounting and analysis of product quality costs.

3. Competencies

Mastering this discipline should ensure the formation of the following competence: SK-5. Know modern systems and methods of product quality management in mechanical engineering, trends of their development.

4. Requirements and forms of midcourse evaluation and summative assessment

Current and intermediate certification is carried out in written and oral-written form through tests, tests, reports on practical exercises with their oral defense.