

«ECONOMY OF AN ENTERPRISE IN ENGINEERING»
(course title)

COURSE SYLLABUS ABSTRACT
of higher education institution
speciality

1–53 01 01 - "Automation of Technological Processes and Production"
"Automation of Technological Processes of Components and Assemblies Manufacture". Qualification -
automation engineer.

	STUDY MODE
	full-time
Year	3
Semester	6
Lectures, hours	34
Practical classes (seminars), hours	16
Pass/fail, semester	6
Contact hours	50 (14)
Independent study, hours	58
Total course duration in hours / credit units	108 (3)

1. Course outline

This discipline is aimed at familiarizing future engineers with the economic problems of the development of modern mechanical engineering, mastering by students the fundamental economic categories for management, economic activity of mechanical engineering enterprises, developing the ability to assess the economic efficiency of the developed technological processes and designed technological equipment.

2. Course learning outcomes

Upon completion of the course, students will be expected to

know: the structure and resources of manufacturing enterprises, the types of costs of the enterprise, the formation of product prices, the taxation system, economic efficiency indicators, the essence of the main economic categories (labor productivity, production costs, price, profit, profitability, etc.); ways to improve production efficiency, save all types of resources; methods of feasibility study and optimization of scientific, technical and organizational solutions;

be able to: perform an assessment of the fixed assets of the enterprise, working capital, calculate the cost of production and its price, calculate the economic indicators of the functioning of enterprises and evaluate the results they achieve; calculate the efficiency indicators of design solutions, make an economic justification for choosing a method for manufacturing a part and assembling a unit;

possess: methodology of economic substantiation of the choice of methods for obtaining a workpiece and machining of parts, the skills of choosing the most economical technological process for manufacturing a part and assembling a unit, a method for calculating the workshop and factory cost of engineering products.

3. Competencies

SK-9.1 Know the methods of calculating the fixed production assets and other assets of the enterprise, labor rationing, estimating the cost and price of products, determining the economic efficiency of investments and the enterprise as a whole.

4. Requirements and forms of midcourse evaluation and summative assessment

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