

« ECONOMY OF INDUSTRIAL PRODUCTION »
COURSE SYLLABUS ABSTRACT
of higher education institution speciality
1-37 01 02 -" AUTOMOBILE CONSTRUCTION "
"Automated Design of Vehicles". Qualification - engineer.

	STUDY MODE
	full-time
Year	4
Semester	7
Lectures, hours	34
Practical classes (seminars), hours	34
Exam, semester	7
Contact hours	68
Independent study, hours	82
Total course duration in hours / credit units	150/4

1. Course outline

This discipline is aimed at developing students' basic knowledge, theoretical foundations and practical skills in the field of economics of industrial enterprises, allowing them to make the best options for technical solutions that increase the economic efficiency of industrial production.

2. Course learning outcomes

Upon completion of the course, students will be expected to

know: basic concepts and terms used in the characterization of the economy of production; the basic principles that determine the economic system of production; methodological bases for evaluating the efficiency of using an organization (enterprise), its functioning and development; theoretical foundations of the economy of modern production; criteria for evaluating the economic efficiency of design and technological solutions; the main directions of increasing the efficiency of technological complexes; the essence of the main economic categories and concepts, methods for implementing the economic laws of enterprise development; features of the creation, operation and closure of enterprises of various forms of ownership; fundamentals of enterprise management and methods of economic substantiation of management decisions; methods for assessing the availability, movement and efficiency of the use of the main economic resources of the enterprise; scientific foundations and ways to improve production efficiency, saving all types of resources;

be able to: formulate and solve economic problems; analyze the state of industrial production using a modern methodological tool; perform technical and economic calculations and economically justify the decisions made; collect data necessary for economic analysis; calculate the economic efficiency and economic effect from the introduction of new solutions in production; carry out integrated calculations to justify the cost and selling price of products of industrial enterprises; use legal normative materials regulating the production and economic activities of the enterprise; calculate and analyze the economic indicators of the production and economic activities of the enterprise;

possess: ways to improve the efficiency of production, investment and new technology; methods of feasibility study of design solutions; criteria for evaluating the economic efficiency of design and technological solutions; methods for developing business plans for the creation of new machines; methods for calculating the economic efficiency of the main aspects of production and economic activity.

3. Competencies

Codes of generated competencies	Names of competencies being formed
AK-1	Be able to apply basic scientific and theoretical knowledge to solve theoretical and practical problems
AK-2	Be proficient in system and comparative analysis
AK-3	Possess research skills
AK-4	Be able to work independently
AK-5	Be able to generate new ideas (be creative)
AK-6	Have an interdisciplinary approach to problem solving
AK-7	Have skills related to the use of technical tools, information management and computer work
AK-8	Possess oral and written communication skills
AK-9	Be able to learn, improve your skills throughout your life
SLK-1	Possess the qualities of citizenship
SLK-2	Be capable of social interaction
SLK-3	Possess the ability for interpersonal communication
SLK-4	Be able to work in a team
SLK-6	Be able to work in a team
PC-1	Determine the economic efficiency of design solutions, taking into account market conditions
PC-1	Determine indicators of the technical level of designed cars and other vehicles
PC-2	Develop business plans for the creation of new equipment, technology
PC-3	Evaluate the competitiveness and economic efficiency of the developed machines, equipment and technologies
PC-4	Plan and organize the work of the department, make organizational and managerial decisions, taking into account various opinions in order to achieve the set goals
PC-5	Make reasonable technical and economic decisions in the organization of production and operation of machines
PC-6	To put forward and justify proposals for improving the technological operations and introduce new advanced technologies
PC-7	Work with legal literature and labor legislation, organize the work of small teams of performers to achieve their goals
PC-8	Collaborate with related professionals
PC-9	Analyze and evaluate trends in the development of engineering and technology
PC-10	Own the basics of industrial relations and management principles, taking into account technical, financial and human factors
PC-11	Define the goals of innovation and how to achieve them

4. Requirements and forms of midcourse evaluation and summative assessment

Exam