

«Logistics zhane baskar» institute directors



CATALOG OF DISCIPLINES OF THE OPTIONAL COMPONENT

EDUCATIONAL PROGRAM

6B11330 - Transport logistics

Level of education: bachelor

Duration of study: 4 years

Year of admission: 2023 year

Module	Cycle	Component	Name of the discipline	General labor intensity		Semester	Learning Outcomes	Brief description of the discipline	Prerequisites	Postrequisites	Department
				in academic hours	in academic credits						
1	2	3	4	5	6	7	8	9	10	11	12
Module 1 – General educational competencies	OOD	EC	Basics of law and anti-corruption culture	150	5	1	ON4, ON11	Improving the public and individual legal awareness and legal culture of students, as well as the formation of a system of knowledge and civil position to combat corruption as an anti-social phenomenon. As a result of studying the course, the student must master the fundamental concepts of law, the constitutional structure of the state power of the Republic of Kazakhstan, the rights and freedoms of citizens enshrined in the Constitution, the mechanism and protection of the legitimate interests of a person in case of their violation.	School component disciplines	Transport support for international transportation, Transport and logistics centers and terminal technologies	SGDiFV
			Ecology and life safety				ON2	The study of the basic environmental concepts, environmental problems and approaches to their solution, sources and types of environmental pollution by enterprises, the principles of standardizing the quality of atmospheric air and water, the main provisions of legislation in various fields, natural and man-made emergencies, their causes, methods of prevention and protection. Teaching methods - analysis of specific situations (case-study)			

1	2	3	4	5	6	7	8	9	10	11	12
Module 1 – General educational competencies	OOD	EC	Scientific research methods	150	5	1	ON4, ON11	Obtaining theoretical and applied knowledge by students on the methods of scientific research of problems in the field of study, training of specialists with the skills of cognitive activity in the field of science, the formation of deep ideas about the content of scientific activity, its methods and forms of knowledge	School component disciplines	Business Process Management, Design of logistics systems	ATS and BJ
			Basics of economics and entrepreneurship				ON7, ON10	He studies the activities of enterprises in various types of markets, the model of equilibrium and functioning of the market, state regulation of prices and tariffs. Considers the concept of entrepreneurship and the limits of its legal regulation, the conditions for the development of entrepreneurship, organizational and legal forms of doing business, business planning, entrepreneurial secrecy, and social responsibility of Active learning methods: case methods; business role-playing games, group work	School component disciplines	Business Process Management, Production logistics	SGDiFV
Module 2 – Passenger transport management	BD	EC	Logistics of passenger transportation	270	9	5	ON5, ON6	Studying the transport support of logistics and route technology of passenger transportation, the principles of their organization and management, the logistics of suburban and urban passenger transport and high-speed transportation. Formation of ideas about the organization of the work of passenger stations and railway stations, ACS "Express". It is planned to conduct classes with a visit to the station complexes Almaty-1, Almaty-2, bus, port station complexes	Transportation management on transport, Interaction of modes of transport, Economic geography of transport	Transport support for international transportation, Global logistics, Design of logistics systems	Logistics and Transport Management



1	2	3	4	5	6	7	8	9	10	11	12
Module 2 – Passenger transport management	BD	EC	Urban transport systems	270	9	5	ON5, ON6	The study of the theoretical and practical foundations of the functioning of transport systems, taking into account indicators, analysis of the state of transport provision of cities and regions. Consideration of the problems of development of urban transport networks, passenger transport, transport infrastructure that meets modern requirements in the field of communications and technologies. Provide for the development of routes for the movement of vehicles and schedules for coordinating traffic schedules. Interactive teaching methods and guest lectures are used	Transportation management on transport, Interaction of modes of transport, Economic geography of transport	Transport support for international transportation, Global logistics, Design of logistics systems	Logistics and Transport Management
Module 3 – Management Competencies	BD	EC	Business Process Management	180	6	5	ON7, ON10	The business processes of enterprises of various sectors of the economy are studied, methods and models for building and analyzing business processes, the need for its rational organization are considered. Basics of building their features and applications. Modern approaches to the management of the organization. Practical skills in the field of business process management are given	Engineering mathematics, Scientific research methods, Transportation management on transport	Transport logistics, Global logistics, Warehouse Logistics	Logistics and Transport Management
			Personnel management				ON10, ON11	The theoretical foundations of personnel management at enterprises of various forms of ownership, the organization of the personnel service, the maintenance of basic personnel documentation in accordance with the current legislation of the Republic of	Engineering mathematics, Scientific research methods,	Transport logistics, Global logistics, Warehouse Logistics	Logistics and Transport Management



1	2	3	4	5	6	7	8	9	10	11	12
								Kazakhstan are considered. Functional division of labor and organizational structure of the personnel management service. Active learning methods: business and role-playing games, brainstorming, case studies	Transportation management on transport		
Module 4 – Conditions of Carriage	BD	EC	Transport support for international transportation	180	6	6	ON6, ON8, ON12	The study of the basic concepts in the field of international transportation, the conditions for the delivery of goods in sales contracts, methods of customs regulation, the regulatory framework for international transportation. To teach how to evaluate the implementation of a complex of transport operations using the methods of customs-tariff and non-tariff regulation, the purpose of which is the safe movement of goods and cargo. As part of the discipline, laboratory classes are held. Active learning methods: case methods; business role-playing games, group work	Interaction of modes of transport, Economic geography of transport, Information technology in logistics	Global logistics, Digital technologies in supply chain management, Warehouse Logistics	Logistics and Transport Management
			Foreign economic activity in transport				ON6, ON8, ON12	Studying the basics of foreign economic activity, the terms and conditions of Incoterms, International conventions, the application of customs legislation and legal regulation of foreign economic activity at the stages of building and implementing a logistics delivery system from places of departure to places of destination. Formation of skills to perform a specific set of transport operations in international traffic. As part of the discipline, laboratory classes are held.	Interaction of modes of transport, Economic geography of transport, Information technology in logistics	Global logistics, Digital technologies in supply chain management, Warehouse Logistics	Logistics and Transport Management

1	2	3	4	5	6	7	8	9	10	11	12
								<p>Within the framework of the discipline, laboratory classes are held, software for foreign economic activity, Rail-Tarif, Rail-info, etc. are used. Apply active learning methods - "simulator" teaching methods, i.e. aimed at the formation of special knowledge, skills: the method of identifying errors, the method of projects</p>			
<p>Module 5 – IT technologies in production and distribution</p>	BD	EC	<p>Electronic services in the management of production logistics and distribution</p>	270	9	4	<p>ON5, ON7, ON10</p>	<p>To study the concepts of material and technical support of production processes with elements of the theoretical foundations of the distribution of finished products in the supply chain. Demonstration of approaches to the development and equipment of continuous logistics processes in the system "production - transportation - storage - supply". Guest lectures are held by leading top managers of specialized enterprises. Within the framework of the discipline, the implementation of practical tasks is ensured, protecting the results obtained. Within the framework of the discipline, interactive teaching methods, computational and analytical methods, methods of completing case tasks, game methods are used</p>	<p>Fundamentals of computer modeling, Basics of logistics, Cargo management</p>	<p>Information technology in logistics, Digital technologies in supply chain management, Production practice</p>	<p>Logistics and Transport Management</p>



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Module 5 – IT technologies in production and distribution	BD	EC	Production logistics				ON5, ON7, ON10	Demonstrate the concept, tasks and functions of production logistics, the factors that determine the structure of the intra-production system: pulling and pushing logistics systems. Implement logistics principles in integrated production management systems MRP-2, Lean Production, ERP, CSRP, just-in-time, Kanban. Show the role of material flow management in the supply and production of materials with the organization of rules and distribution functions in the marketing process. Within the framework of the discipline, interactive teaching methods, a calculation-analytical method, and a case-task method are used	Fundamentals of computer modeling, Basics of logistics, Cargo management	Information technology in logistics, Digital technologies in supply chain management, Production practice	Logistics and Transport Management
Module 6 – Organization of storage and packaging of goods	BD	EC	Cargo management	180	6	3	ON8, ON9	Study of cargo properties and conditions of their transportation, cargo transport classification, factors affecting cargo, cargo transport characteristics affecting the organization of transportation, organization of measures to ensure safety during transportation and storage. Mastering the skills of cargo quality assessment and methods of determining the impact of cargo transport characteristics on the organization of transportation. Within the framework of the discipline, interactive teaching methods, the method of case tasks are used	Scientific research methods, Transportation management on transport	Interaction of modes of transport, Economic geography of transport, Transport support for international transportation, Transport logistics	Logistics and Transport Management

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Module 6 – Organization of storage and packaging of goods	BD	EC	Cargo packing service	180	6	3	ON8, ON9	Studying the properties of containers and packaging, based on the characteristics, operating conditions and manufacturing; familiarization with the types of materials for the production of containers and packaging; obtaining information about the environmental aspect of packaging, packaging safety (environmental requirements). Formation of ideas about the technology of cargo handling in the warehouse, used containers and packaging, packages, as well as labeling. Within the framework of the discipline, interactive teaching methods, the method of case tasks are used	Scientific research methods, Transportation management on transport	Interaction of modes of transport, Economic geography of transport, Transport support for international transportation, Transport logistics	Logistics and Transport Management
Module 7 – Transport and logistics infrastructure	PD	EC	Transport and logistics centers and terminal technologies	180	6	4	ON7, ON9, ON13	Assess the development of transport infrastructure of all types of transport, including tram transport and metro, contact lines. Describes the organization of production, profile, specialization and features of transport infrastructure facilities. Forms students' skills in documenting decisions in the management of operational activities of organizations when introducing new elements of transport and logistics infrastructure by means of transport. Within the framework of the discipline, interactive teaching methods, the method of case tasks are used	Interaction of modes of transport, Information technology in logistics, Cargo management	Digital technologies in supply chain management, Design of logistics systems, Container terminals and technologies	Logistics and Transport Management



1	2	3	4	5	6	7	8	9	10	11	12
Module 7 – Transport and logistics infrastructure	PD	EC	Logistics technologies of cargo delivery	180	6	4	ON5, ON6	Gain knowledge in the field of management and effective use of the latest technologies, taking into account the logistics approach to the organization of cargo delivery and the choice of a carrier, the ability to organize transport and logistics services using advanced technology. It allows students to form clear ideas and skills of managing material flows, studying methods of effective cargo delivery based on integration and coordination of operations while minimizing total costs. Within the framework of the discipline, guest lectures are conducted by leading specialists of transport and logistics companies. The teaching methods are: solving problems, conducting thematic colloquiums, seminars "brainstorming"	Interaction of modes of transport, Information technology in logistics, Cargo management	Digital technologies in supply chain management, Design of logistics systems, Container terminals and technologies	Logistics and Transport Management
Module 8 – Modular Technologies	PD	EC	Container terminals and technologies	180	6	8	ON7, ON9	Studying the principles of management and efficiency in the use of container terminals in the system of cargo transportation; simulation models used in the design of the "terminal-storage-loading-transportation-unloading" system of cargo in containers. Consideration of the technological process of the container point, automation of technological processes at container terminals. Within the framework of the discipline, active teaching methods are carried out: case methods; business role-playing games, group work	Interaction of modes of transport, Information technology in logistics, Global logistics	Final certification, Admission to the Master's program	Logistics and Transport Management



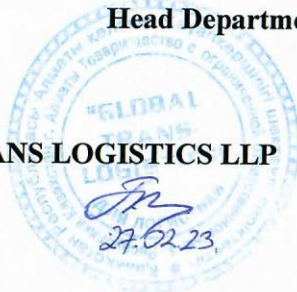
1	2	3	4	5	6	7	8	9	10	11	12
			Logistics transport and cargo systems				ON7, ON8, ON10	Demonstrates the principles of organizing the work of transport and cargo systems on various modes of transport using modern and advanced technologies for cargo handling: the choice of load handling devices and rolling stock. Formation of skills in developing optimal schemes for performing loading and unloading operations and warehouse operations with the rational use of the material and technical base in the logistics chain for the supply of goods, as well as determining the storage conditions for various goods. Teaching methods are: problem solving, conducting thematic colloquia, brainstorming seminars	Interaction of modes of transport, Information technology in logistics, Global logistics	Final certification, Admission to the Master's program	Logistics and Transport Management
Module 9 – Modeling of logistics systems	PD	EC	Design of logistics systems	180	6	7	ON5, ON9, ON13	Study of the basic principles of logistics systems design, system approach and system analysis in design. Perform modeling of objects and subjects of management in logistics systems using Corel DRAW and AutoCAD software products. To study the criteria for the quality and efficiency of logistics systems, methods and algorithms for designing logistics systems at the micro and macro levels, to form their organizational structure with optimization of design solutions and evaluation of effectiveness and efficiency. Calculation and design of logistics system links is carried out by means of computer technologies	Engineering Mathematics, Fundamentals of computer modeling, Business Process Management	Logistics of specialized transport -2, Container terminals and technologies, Final certification	Logistics and Transport Management

1	2	3	4	5	6	7	8	9	10	11	12
								(Excel, Mathcad, AutoCAD, Revit, SCAD)			
Module 9 – Modeling of logistics systems	PD	EC	Design of distribution systems	180	6	7	ON5, ON9, ON12	Studying the tasks of coordinating and optimizing the functioning of the distribution system for products and services: designing and building programs for the production, supply and marketing of finished products, types of intermediaries in distribution channels. Consider the elements of the commodity distribution network of the region, regional distribution centers with the location of the logistics center, types of deliveries and technological schemes of transportation. Within the framework of the discipline, active learning methods are used - conversation, role-playing, case tasks. The form of assessment is a combined examination in the form of an oral and written survey	Engineering Mathematics, Fundamentals of computer modeling, Business Process Management	Logistics of specialized transport -2, Container terminals and technologies, Final certification	Logistics and Transport Management

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AGREED:

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Head



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27.02.23.

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