

«Logistics zhane baskar» institute directors



CATALOG OF DISCIPLINES OF THE OPTIONAL COMPONENT

EDUCATIONAL PROGRAM

7M11355 Logistics (by industry)

Level of education: master's degree

Duration of study: (scientific-pedagogical, 2 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 – Analytics and Forecasting in Logistics	BD	EC	Market research of transport and logistics services	270	9	1	ON4, ON8	The study of theoretical and practical foundations in the field of providing transport and logistics services, allowing to analyze the service market in Kazakhstan to assess the quality control of the provision of transport services. Compare the features of the modern process of cargo delivery to determine the methods of providing services in transport in accordance with the classification of transport and logistics services of the WTO. As part of the study of the discipline, guest lectures by representatives of production are provided.	Undergraduate disciplines	Market research of freight transportation and logistics services, International transport corridors and logistics centers	Logistics and Transport Management

1	2	3	4	5	6	7	8	9	10	11	12
Module 1 – Analytics and Forecasting in Logistics	BD	EC	Methods and models of planning in logistics	270	9	1	ON4, ON6	Studying the methods and models of analysis and management used to develop new products and technologies and modeling a set of work when planning business projects. Formation of modern concepts and technologies for building logistics systems and supply chains to manage logistics functions and operations in supply chains and structural divisions of the company. As part of the study of the discipline, guest lectures by representatives of production are provided	Scientific Research Methods Strategic management	Research work, Final examination	Logistics and Transport Management
Module 2 – Economic and managerial competencies	BD	EC	Strategic management	180	6	2	ON3	Formation of undergraduates" basic theoretical knowledge and basic practical skills in the field of strategic management of enterprises and organizations, strategic analysis of the external and internal environment of the company, the company"s competitive strategy and corporate management strategy. Active learning methods are used - brainstorming, group work	Undergraduate disciplines	Transport project management , Logistics risk management in supply chains	Logistics and Transport Management
			Business research				ON3	Mastering theory by undergraduates, as well as developing practical skills in business research and analytics, life cycle analysis of the development of promising technologies. The scientific and technical aspects of the project are being studied. Active teaching methods used in the discipline - individual task	Undergraduate disciplines	Transport project management , Logistics risk management in supply chains	Logistics and Transport Management

1	2	3	4	5	6	7	8	9	10	11	12
Module 3 – Professional competencies	PD	EC	Market research of freight transportation and logistics services	180	6	3	ON4, ON5, ON10	The study of activities related to the provision of services to consignors and consignees and the organization of the delivery of goods, the ability to organize forwarding control when preparing goods for shipment, the application of the rules for freight forwarding on all modes of transport using international conventions in the organization of international transportation, as well as obtaining skills in the design of transport - technological schemes for the delivery of goods. When studying the discipline, semester work is used, in which situational tasks are solved	Market research of transport and logistics services, Strategic management	Research work, Final examination	Logistics and Transport Management
			Modern methods of management in the transport sector				ON4, ON5, ON10	Formation of knowledge for organizing and planning the activities of an enterprise and building a project for the rational organization of production by collecting, analyzing, systematizing, evaluating and interpreting the data necessary to solve professional problems. Acquisition of skills in planning and organizing the activities of structures, monitoring and accounting for its results with the adoption of optimal management decisions, taking into account the criteria for socio-economic efficiency, risks and opportunities for using available resources. When studying the discipline, semester work is used, in which situational tasks are solved	Market research of transport and logistics services, Strategic management	Research work, Final examination	Logistics and Transport Management

1	2	3	4	5	6	7	8	9	10	11	12
Module 4 – Organizing, planning and managing supply chains	PD	EC	Strategic management and innovation in supply chains	180	6	3	ON5, ON8	Formation of a modern understanding of the processes of solving strategic problems both at the level of the company's logistics department and at the level of the supply chain management structure by studying the scientific foundations of the principles, methods and tasks of organizing strategic management in cargo supply chains, the functioning of innovative activities in supply chains, and modeling innovations in supply chain engineering and technology. As part of the study of the discipline, guest lectures by representatives of production are provided	Undergraduate disciplines	Logistics risk management in supply chains , Logistic analysis of the activities of transport enterprises	Logistics and Transport Management
			Supply Chain Inventory Management				ON5, ON7	The study of the theory of inventory management to ensure their sufficient volume for the production of the planned quantity of goods on time at the minimum cost of their maintenance using methods for predicting the need for inventory. Establish basic inventory management models in supply chain links, apply management methods for various groups of stocks, be able to allocate resources in supply chains to determine the costs associated with production and build a stock management model. As part of the study of the discipline, guest lectures by representatives of production are provided	Undergraduate disciplines	Logistics risk management in supply chains , Logistic analysis of the activities of transport enterprises	Logistics and Transport Management

1	2	3	4	5	6	7	8	9	10	11	12
Module 5 - Automation of business processes	PD	EC	Automation / robotization of logistics processes	180	6	2	ON10	Formation of a system of knowledge among undergraduates about the place and role of science, about the main stages of the formation of science in Kazakhstan, about the organizational and methodological foundations for organizing scientific research at the macro, meso and micro levels, knowledge is given about the basic principles of planning, conducting, and formalizing the results of scientific research. Teaching methods - case-study analysis, group discussions	Scientific Research Methods, Strategic management	Research work, Final examination	Logistics and Transport Management
			Methods and models of decision making in logistics				ON3, ON4	Studying the principles of organizing planning and operational analysis of various methods and models for decision-making in logistics. Establish expert judgment in decision making. Mastering the methods of calculating the simulation of the transportation process. To develop the norms of labor costs and determine the qualitative and quantitative indicators of the enterprise. Analyze the obtained research data on the examination of technological processes. Apply a system-dynamic approach to modeling decision making in logistics. Within the framework of the discipline, the implementation of the EIRM is provided	Scientific Research Methods, Strategic management	Research work, Final examination	Logistics and Transport Management

1	2	3	4	5	6	7	8	9	10	11	12
Module 6 – Risk Management in Logistics	PD	EC	Logistics risk management in supply chains	180	6	3	ON4, ON5, ON10	The study of the theory of inventory management to ensure their sufficient volume for the production of the planned quantity of goods on time at the minimum cost of their maintenance using methods for predicting the need for inventory. Establish basic inventory management models in supply chain links, apply management methods for various groups of stocks, be able to allocate resources in supply chains to determine the costs associated with production and build a stock management model. As part of the study of the discipline, guest lectures by representatives of production are provided	Market research of freight transportation and logistics services, Logistic analysis of the activities of transport enterprises	International transport corridors and logistics centers, Final examination	Logistics and Transport Management
			Risks in logistics				ON4, ON5, ON10	Formation of knowledge on risk management: planning, identification, analysis, preparation of a response plan, monitoring and control to identify hazards, calculate potential impacts and take measures to eliminate them. Risk assessment and damage determination using methods based on the modern apparatus of statistics, mathematics, probability theory and modeling, as well as the collection and analysis of information necessary to solve the set production problems. Within the framework of the discipline, interactive teaching methods, the calculation-analytical method, the case-task method, game methods are used	Market research of freight transportation and logistics services, Logistic analysis of the activities of transport enterprises	International transport corridors and logistics centers, Final examination	Logistics and Transport Management

1	2	3	4	5	6	7	8	9	10	11	12
Module 7 - Logistics technologies	PD	EC	International transport corridors and logistics centers	270	9	3	ON6, ON7	The study of theoretical knowledge on the geography of the main sectors of the economy, using geographical patterns, factors of location and development and territorial planning, and designing various types of socio-economic activities. Ability to put into practice theoretical knowledge and applied foundations of regional policy, political geography and geopolitical programs for the development of interregional relations in infrastructure sectors. Within the framework of the discipline, the implementation of NIRM is provided	Market research of transport and logistics services, Logistics risk management in supply chains	Final examination	Logistics and Transport Management
			International transport corridors and logistics centers				ON6, ON7	The study of theoretical knowledge on the geography of the main sectors of the economy, using geographical patterns, factors of location and development and territorial planning, and designing various types of socio-economic activities. Ability to put into practice theoretical knowledge and applied foundations of regional policy, political geography and geopolitical programs for the development of interregional relations in infrastructure sectors. Within the framework of the discipline, the implementation of NIRM is provided	Market research of transport and logistics services, Logistics risk management in supply chains	Final examination	Logistics and Transport Management

Head Department of Logistics and Transport Management

Musaliev P.D.
27.02.23

Musaliev P.D.

AGREED:

GLOBAL TRANS LOGISTICS LLP

Head

Borsch Andrey Borisovich

