

AGREED:

GLOBAL TRANS LOGISTICS LLP  
Head Borsch A.B.

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I APPROVE

Director of the Institute "Logistics  
and Management"

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«Логистика және басқару» институты  
АҚ «АЛТ Университеті» және «Мұхамеджан Тыныштықов»  
Институты «Логистика және басқару» институты  
February 26, 2024

CATALOG OF DISCIPLINES OF THE OPTIONAL COMPONENT

EDUCATIONAL PROGRAM

7M11374 Supply chain management

Level of education: master

Duration of study: 2 year

Year of admission: 2024 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 – Tariffs and prices	PD	EC	Tariffs and pricing in logistics	270	9	1	ON12	The discipline studies the economic essence of price and tariff formation, evaluates their place and role in the management of supply chains of goods, introduces the problems of tariff regulation in supply chains, analyzes the effectiveness of logistics delivery schemes and their impact on the price of final products	Bachelor's degree disciplines	Economic analysis of supply chain management	TLM
			Prices and pricing				ON12	The discipline studies the methods and features of pricing for various types of goods sold on the world market, the economic nature of world and domestic market prices and pricing methods used in international trade, the procedure for verifying the validity of contract prices by customs authorities, considers the basic rules and methodologies for pricing foreign trade contracts of sale			

1	2	3	4	5	6	7	8	9	10	11	12
Module 2 – Management and Research	PD	EC	Strategic management	180	6	2	ON8, ON12	The discipline is aimed at studying the essence and content of strategic management of the company, types of strategies, modern methods of strategic analysis, technology of strategy development and implementation, features of the development of strategic management in Kazakhstan. Develops the ability to develop a company's development strategy based on the assessment of the internal and external environment, the analysis of competitive strategies, the use of various methods of management analysis, the definition of a personnel management strategy, strategic changes.	Bachelor's degree disciplines	Leadership Strategy and Managing Enterprise for Logistics Business	TLM
			Business research				ON8, ON11	The discipline studies the following topics: introduction to business research, the concept of business, development history, science and scientific research, the logic of the research process and its main stages, building a research structure, information support for business research, collecting empirical data, analysis methodology based on the BCG matrix, marketing information system, processing and analysis of primary data, analysis of market conditions.	Bachelor's degree disciplines	Economic analysis of supply chain management	
Module 3 - Business modeling- processes	PD	EC	Modeling and optimization of logistics business processes	180	6	1	ON6, ON7	The discipline studies modeling approaches and methods for solving a specific logistical problem or decision-making process, the use of mathematical analysis and modeling methods to display complex multicomponent and multicriteria objects, including for solving problems of logistics systems management and business planning in logistics	Bachelor's degree disciplines	Integrated planning and forecasting of supply chains using Big Data and digital technologies	TLM
			Modeling and reengineering of business processes				ON6, ON7	The discipline studies modern technologies for organizing work on business process reengineering, business process modeling methodology, and also teaches practical skills in using modern CASE technologies	Bachelor's degree disciplines	Digital technologies in logistics and supply chain management	

1	2	3	4	5	6	7	8	9	10	11	12
Module 4 – Information technology in supply chains	PD	EC	Digital transformation in supply chains	180	6	2	ON4, ON12	The discipline studies the six main stages of digital transformation, defines the essence of the digital business model and key drivers of digitalization, examines the basic methodological principles of digitalization of supply chains, analyzes the continuum of digital technologies that determine the degree of digital transformation of supply chains	Bachelor's degree disciplines	Integrated planning and forecasting of supply chains using Big Data and digital technologies	TLM
			Digital technologies in logistics and supply chain management				ON4, ON12	The discipline studies trends in the development of digitalization of supply chains, methodological aspects of digital transformation of supply chains, the use of multi-agent technologies for digitalization of logistics and supply chains (MASSC), computer modeling of logistics business processes and systems in supply chains	Bachelor's degree disciplines	Economic analysis of supply chain management	
Module 5 – Forecasting and modeling in supply chains	PD	EC	Integrated planning and forecasting of supply chains using Big Data and digital technologies	270	9	3	ON8, ON12	The discipline studies the management strategy of global transport and logistics systems in the digital age, controlling, administration and audit of logistics processes based on digital services, inventory management in distribution networks under conditions of uncertainty, forms solutions for E-business in supply chains: E-Procurement, E-Fulfillment	Modeling and optimization of logistics business processes	Final certification	TLM
			Methods of forecasting and strategic planning in the transport industry				ON8, ON12	The discipline studies modern methods of forecasting and strategic planning in the transport industry, principles and methods of forecasting and strategic planning in the transport industry, performs computational research on forecasting transport demand and strategic planning in the transport industry	Modeling and optimization of logistics business processes	Final certification	

1	2	3	4	5	6	7	8	9	10	11	12
Module 5 – Forecasting and modeling in supply chains	PD	EC	Economic analysis of supply chain management	180	6	2	ON5, ON6	The discipline studies the economic methods of managing an organization's supply chains aimed at improving the efficiency of their functioning, forms analytical skills, uses Excel software to analyze the main indicators of an organization's economic activity, plotting charts and graphs, and developing management solutions	Managing Finance & Market Intelligence for Logistics Business	Integrated planning and forecasting of supply chains using Big Data and digital technologies	TLM
			Computer analysis and optimization of supply chains				ON5, ON8	The discipline studies modern technologies of computer modeling of systems in the environment of Any Logic and Vensim, on the basis of which practical skills are formed in the analysis of cause-and-effect relationships, forecasting, planning and management decision-making, methodological foundations of integrated planning and supply chain modeling	Modeling and optimization of logistics business processes	Management of intellectual resources of the organization	
Module 6 –Leadership and Entrepreneurship	PD	EC	Leadership Strategy and Managing Enterprise for Logistics Business	180	6	3	ON6, ON8	The discipline formulates the concept and content of strategic management and strategic analysis, as well as the main methods and tools for their implementation, various theories, concepts and models of leadership, issues of the relationship between management, leadership and organizational leadership	Managing Finance & Market Intelligence for Logistics Business	Final certification	TLM
			Entrepreneurship and Innovation Management in Logistics Business				ON5	The discipline studies an innovative approach to logistics and marketing activities, uses the experience of domestic and foreign companies, considers methods and tools for assessing the risks of innovative activities of organizations and methods of economic assessment of the payback of innovative projects	Modeling and optimization of logistics business processes	Final certification	

Head of the Department "Transport Logistics and Management"

Kenzhebaeva G.Zh.