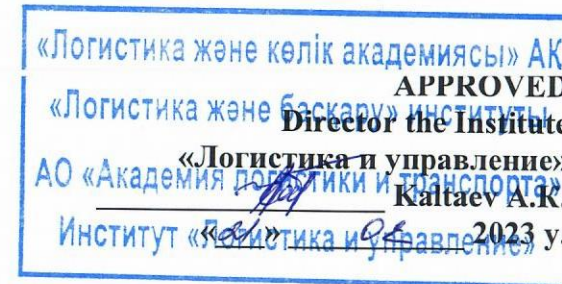




Head of the Department of Dispatching Transportation  
Management of LLP «TransCom»

Kosybaev K.K.

2023 у.



«Логистика және көлік академиясы» АҚ  
APPROVED  
«Логистика және басқару» институты  
Director of the Institute  
«Логистика и управление»  
АО «Академия логистики и транспорта»  
Kaltayev A.R.  
Институт «Логистика и управление»  
2023 у.

### CATALOG OF DISCIPLINES OF THE COMPONENT BY CHOICE

EDUCATIONAL PROGRAMS

7M11352 - Organization of transportation, traffic and operation of transport

Education level: Master's degree

Duration of training: 2 years

Year of admission: 2023

Cycle	Component	Name of the discipline	Total labor intensity		Term	Learning outcomes	Brief description of the discipline	Prerequisites	Postrequisites
			in academic hours	in academic credits					
1	2	3	4	5	6	7	8	9	10
BD	CC	Intelligent transport systems	270	9	1	LO2, LO4	Study of general concepts related to intelligent transport systems (ITS), stages of ITS project development, types of modern ITS, ITS models; system analysis of the road network, sources and methods of obtaining information, types of data, capabilities and practices of ITS application. Within the framework of the discipline, methods of active learning are used - solving situational problems, role-playing, case method, oral exam.	BD of bachelor's degree	Global container transport systems
BD	CC	Methods of management decision-making				LO3, LO7	The study of the complex consideration of the essence and content of management decision-making methods, the theoretical and methodological foundations of the process of developing and making management decisions, the study of the specifics of various methods and models of management decision-making, consideration of existing technologies for substantiating and evaluating the effectiveness of management decisions, analysis of the features of	BD of bachelor's degree	Strategic management, Modern problems of transportation organization

							management decision-making methods in conditions of certainty, uncertainty and risk. Within the framework of the discipline, the development of group projects, the solution of practical tasks, the organization of guest lectures with the involvement of employers are practiced.		
BD	CC	Strategic management	180	6	2	LO3, LO7	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 teaching methods are used – the method of brainstorming, group work	Methods of management decision-making	Risk management, Planning and organization of traffic flows
BD	CC	Business research				LO3, LO5	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	Methods of management decision-making	Risk management, Planning and organization of traffic flows
PD	CC	Development of high-speed traffic	180	6	3	LO4, LO8	Study of foreign experience in the development of high-speed rail traffic, requirements for infrastructure and rolling stock for high-speed traffic, conducting marketing research of public interest in high-speed traffic, organization of train traffic on high-speed highways, scheduling of high-speed trains, organization of passenger transportation on high-speed rail transport. Within the framework of the discipline, discussions on problematic topics are held, calculation and graphic work is also performed.	Modern problems of transportation organization, Transport security	FC
PD	CC	Passenger complex of high-speed highways				LO4, LO8	The formation and operation of the passenger complex of high-speed highways, the improvement of high-speed passenger transportation, the technology of operation of station complexes, intermediate separate points, head passenger and passenger technical stations., the placement of the main devices and structures at separate points, as well as the placement of stations in urban development, the definition of technological standards for the performance of train handling operations. The discipline provides for the development and protection of individual projects.	Modern problems of transportation organization, Transport security	FC
PD	CC	Modeling the operation of transport hubs	180	6	1	LO4, LO6	Studying the functioning of transport hubs, the flow of transport processes in the implementation of cargo and passenger transportation, as well as methods for optimizing	PD of bachelor's degree	Global container transport systems, Contractual commercial work,

							transport systems and processes, studying the nature of transport processes in various transport hubs, solving problems of planning, forecasting work, transport hubs, organizing operational, calendar management of complex transport systems, getting an idea of mathematical modeling and interpretation received solutions. Within the framework of the discipline, students perform group tasks, work in small groups.		transport security, Modern problems of transportation organization
PD	CC	Innovations in transport systems				LO5	To study the issues related to innovations in the management of operational work, their interaction and the means used in the creation and operation of information technologies, the system of automated maintenance of the schedule of executed traffic, the functional composition of tasks and automated workstations of dispatching personnel, automated control system of the station, support in the centers of branded transport services.	PD of bachelor's degree	Global container transport systems, Contractual commercial work, Transport security, Modern problems of transportation organization
PD	CC	Contractual commercial work	180	6	2	LO5	To evaluate the effectiveness of managerial decision-making in the field of freight and commercial work, the level of customer service of the railway, the provision of mutual preliminary information of participants in transportation about railway cargo. To arrange cargo transportation at departure and destination stations in accelerated and simplified procedures in national and international communications. Coordinate the activities of the railway with other participants in the transportation process.	Modeling the operation of transport hubs, Innovations in transport systems	FC
							To explore the world container transport system, technical and loading and unloading facilities, the interaction of rail and road transport, the organization of container transportation, the place and role of the container transport system in a single transport system. Analyze the effectiveness of the creation and functioning of a container transport system, the relationship of container and package transportation, the impact of containerization on the organization of the transportation process.	Modeling the operation of transport hubs, Innovations in transport systems	FC
PD	CC	Global container transport systems				LO4, LO5			
PD	CC	Transport security	180	6	2	LO4	To investigate the theoretical, conceptual, methodological and organizational foundations of transport security, classification and characteristics of the constituent elements of transport security and anti-terrorist activities, analyzes the state of transport security and security measures in the management and operation of transport systems.	Modeling the operation of transport hubs, Innovations in transport systems	Development of high-speed traffic, Passenger complex of high-speed highways

PD	CC	Modern problems of transportation organization				LO7, LO8	To present organizational and managerial problems and tasks of restructuring and integration of disconnected transport systems in a single transport complex in the current conditions and for the future using positive international experience. To formulate a systematic view of the current state and prospects of transport development in the changing conditions of the transport market and taking into account the impact of external risks.	Modeling the operation of transport hubs, Innovations in transport systems	Development of high-speed traffic, Passenger complex of high-speed highways
PD	CC	Planning and organization of traffic flows	270	9	3	LO8	The study of transport planning and the organization of transport flows carried out within the framework of transport systems management, the development of appropriate necessary competencies used in transport planning, the formation of an algorithm for performing works in the field of transport planning and familiarity with the main types of these works, the development of necessary competencies to assess the impact of specific transport measures and projects on the environment. When studying the discipline, interactive methods, solving case tasks, discussions are used.	Strategic management, Business research	FC
PD	CC	Risk management				LO3, LO4	Изучение общих вопросов управления рисками. Рассматриваются различные подходы к классификации факторов риска, характеристики видов риска, методы управления и оценки рисков, изучение программ управления рисками на предприятии и система управления рисками на предприятии. В рамках изучения дисциплины проводятся гостевые лекции ведущими топ-менеджерами транспортных компаний, решение и анализ ситуационных задач.	Strategic management, Business research	FC

Acting Head of the Department  
"Organization of transportation and operation of Transport"



Abibullaev S.Sh.