

TRANSPORT FLOW LOGISTICS

COURSE SYLLABUS ABSTRACT of higher education institution

Speciality 6-05-1042-01 «Transport logistics»

Profiliation «Regional transport and logistics systems»

	STUDY MODE	
	Full-time	Part-time (shortened program)
Year	3	3
Semester	6	6
Lectures, hours	34	8
Practical classes, hours	34	6
In-class test, semester (hours)	6	6 (2 hours)
Course project, semester	6	6
Exam, semester	-	6
Contact hours	68	16
Independent study, hours	40	92
Total course duration in hours / credit units	108 / 3	

1. Course outline

The objective of the course is to develop students' understanding of the methods and techniques for improving flow management in transport systems, integrated planning of transport processes taking into account production factors, rationalization of routes for the movement of material flows when organizing freight and passenger transportation, and integration of transport and transportation-related processes into a single technological algorithm.

2. Learning outcomes

As a result of mastering the academic discipline, the student should:

know:

- concept, objectives and functions of transport and logistics systems; essence of the main categories and concepts of transport and logistics systems;
- systemic aspects of managing transport and logistics flows by modes of transport and during their integration;
- development trends of world systems of managing transport and logistics flows, transport and logistics system of the Republic of Belarus;
- transport and logistics technologies by modes of transport related to cargo delivery and passenger transportation;
- methods of efficient use of rolling stock;
- transport and accompanying documents by modes of transport;
- principles and methods of calculating freight charges by modes of transport;
- regulatory legal framework for interaction of entities involved in cargo delivery processes, as well as organization of the transport process by modes of transport;
- basic delivery terms INCOTERMS;
- methods of choosing the mode of transport for cargo transportation;

be able to:

- select packaging and transport equipment taking into account the properties of the goods, determine the conditions of transportation;
- select vehicles, transport and technological schemes for the delivery of goods based on technical and economic calculations;
- prepare the necessary transport and accompanying documentation when organizing transportation;
- calculate and analyze the economic indicators of the functioning of logistics systems in transport;

have the skill:

- use of basic delivery conditions INCOTERMS when developing sales contracts;
- selection of rolling stock of different types of transport for cargo transportation;
- preparation of accompanying documentation required for cargo transportation by different types of transport.

3. Competencies to be developed

Names of the competencies being developed
To master the basics of research activities, search, analyze and synthesize information
To solve standard tasks of professional activities based on the use of information and communication technologies
To be capable of self-development and improvement in professional activities
To master the basic principles of flow management with the aim of applying a logistic approach in the implementation of transport and forwarding services

4. Requirements and forms of midcourse evaluation and summative assessment

The module-rating system is used. The form of midcourse evaluation are course paper. Intermediate certification is a exam.