

# TRANSPORT SYSTEMS

## COURSE SYLLABUS ABSTRACT

**Speciality** 1-27 02 01 – Transport Logistics (majors in)

	STUDY MODE
	Full-time
Year	3
Semester	5
Lectures, hours	50
Practical classes (seminars), hours	18
Laboratory classes, hours	16
Graded exam, semester	5
Course project, semester	5
Contact hours	82
Independent study, hours	38
Total course duration in hours / credit units	120/3,0

**1. Course outline:** basics of transport and logistics systems; characteristics of the modern system of goods movement, the concept of "transport service"; the relationship of commodity and transport markets; organization of economic relations and contractual work; methods of making settlements on contacts; transport services for the use of infrastructure; legal regulation of road transport, their documentation; features of the provision of transport services in the system of road transport; general principles of the organization of cargo transportation by rail; legal regulation of rail freight transportation; infrastructure of ports and merchant marine; types of maritime navigation and their documentation; organization of inland waterway transportation; features of transport services provided by air transport; implementation of stevedoring and tagging services at terminals; features of warehousing services.

**2. Learning objectives and outcomes:** upon completion of the course, the students will be expected to:

- know: the concept, tasks and functions of transport systems; the essence of the main categories and concepts of transport systems; system aspects of transport activities on modes of transport; trends in the development of world transport systems, the transport system of the Republic of Belarus; logistics technologies on modes of transport related to the delivery of goods and the transportation of passengers; methods of efficient use of rolling stock; transport and shipping documents on modes of transport; regulatory and legal bases of interaction of subjects involved in the processes of cargo delivery, as well as the organization of the transport process on modes of transport; methods of choosing the type of transport for cargo transportation;

- be able to: assess trends in the development of world transport systems and the transport system of the Republic of Belarus; on the basis of technical and economic calculations, make a choice of vehicles, rational cargo delivery schemes; Draw up the necessary transport documentation when organizing transportation.

**3. Competencies to be developed:**

**БІІК-15** – Possess system information on the concept of transport systems for the development of engineering solutions for integrated transport systems.

**4. Academic performance assessment**

The module-based rating system is used. Mid-course evaluation: test; individual assignment. Summative assessment: graded exam.