

# FLOW CONTROL IN TRANSPORT SYSTEMS

(course title)

## **COURSE SYLLABUS ABSTRACT of higher education institution speciality**

1-27 02 01 "Transport logistics"

(speciality code and name)

1-27 02 01-01 "Transport logistics (road transport)"

(specialisation code and name)

	STUDY MODE
	full-time
Year	3
Semester	6
Lectures, hours	50
Practical classes (seminars), hours	34
Course project, semester	6
Exam, semester	6
Contact hours	84
Independent study, hours	36
Total course duration in hours / credit units	120/5

### 1. Course outline

The discipline is aimed at developing students' knowledge and skills in managing flows in transport logistics systems, taking into account the principles of a systematic approach, system analysis, based on engineering and economic sound solutions for the development of integrated schemes for effective management.

### 2. Course learning outcomes

Upon completion of the course, students will be expected to

**know:** the concept, tasks and functions of transport logistics; the essence of the main categories and concepts of transport logistics in terms of managing flows in transport systems, the principles of a systematic approach and system analysis in the implementation of transport and forwarding services; classification of transport services, basics of forwarding services, ways and methods of their provision to consumers; logistics technologies in modes of transport; forms and methods of providing transport services to enterprises; the content of the activities of various subjects of the transport services market; transportation management methods;

**be able to:** solve technical and economic problems for organizing the effective promotion of material and related flows; make a choice of vehicles, schemes and route of movement; optimize logistics operations based on the concept of comparing total costs; determine the effectiveness of logistics technologies in transport; calculate and analyze the economic indicators of the functioning of logistics systems in transport.

**possess:** skills for use in practical work at enterprises engaged in transport and logistics and forwarding activities.

### 3. Competencies

BPC-16 - Master the basic principles of flow management in order to apply the methods of a systematic approach in the implementation of freight forwarding services.

### 4. Requirements and forms of midcourse evaluation and summative assessment.

To assess the level of knowledge of students, the following diagnostic tools are used:

- oral form: interview during individual and group consultations; reports at the conference;
- written form: tests;

– oral-written form: oral and written questioning during practical classes; course project defense; exam.