

ORGANIZATION, SECURITY AND MANAGEMENT OF HIGHWAYS AND TRANSPORT
INFRASTRUCTURE
COURSE SYLLABUS ABSTRACT

Specialty 7-06-0732-01 Construction

Concentration Transport construction

	STUDY MODE	
	full-time	part-time
Year	1	2
Semester	1	3
Lectures, hours	34	6
Laboratory classes, hours	16	4
Pass/fail, semester	1	3
Contact hours	50	10
Independent study, hours	58	98
Total course duration in hours / credit units	108/3	

1. Course outline

The purpose of the discipline is to study the issues of the system of safe and effective organization of traffic, management of highways and transport infrastructure.

2. Course learning outcomes

Upon completion of the course, students will be expected to

know: - fundamentals of traffic management; - fundamentals of road safety; - methods of management of highways and transport infrastructure; - classification and accounting rules of road accidents; - identification and analysis of the causes of road accidents; - characteristics of traffic and pedestrian flows; - functioning of the driver - car - road - environment system;

be able to: - to evaluate the effectiveness of measures for the organization and safety of road traffic; - to solve practical problems on the technology of traffic management in various conditions; - analyze accidents on highways; - assign measures for the effective organization of traffic in order to improve traffic safety; - organize traffic in specific conditions; - simulate pedestrian and traffic flows;

to possess a skill: - organization of safe road traffic and improvement of road safety.

3. Competencies

- Apply the norms of international and national legislation in the process of creation and sale of intellectual property objects

4. Requirements and forms of midcourse evaluation and summative assessment

Current certification: – protection of laboratory work.

Intermediate certification: – pass/fail.