

**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**

SK-1 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.