

ORGANIZATION AND SAFETY OF ROAD TRAFFIC

(course title)

COURSE SYLLABUS ABSTRACT
of higher education institution
specialty

Specialty 7-07-0732-01 «Construction of buildings and structures»

Concentration «Road of Construction»

	STUDY MODE	
	full-time	part-time (shortened program)
Year	3	3
Semester	6	6
Lectures, hours	16	4
Laboratory classes, hours	34	8
Exam, semester	6	6
Contact hours	50	12
Independent study, hours	58	96
Total course duration in hours / credit units	108/3	

1. Course outline.

The objectives of the discipline are to gain knowledge about road traffic, methods of its organization, methods of evaluating efficiency, developing skills in designing effective traffic management schemes and developing measures to improve road safety, as well as traffic management skills.

2. Course learning outcomes

Upon completion of the course, students will be expected to know:

theory of reliability and durability of road structures; engineering methods for assessing the performance of roads; database of road diagnostics; regulatory framework for assessing the technical condition of roads; road engineering requirements; prospects for the development of road transport; international experience in experimental diagnostics of roads and trends in improving the quality of roads.

be able to:

assess the technical and operational condition of the road (make a defective statement); solve problems to determine the transport and operational characteristics; conduct experiments in laboratory and road conditions to assess the strength, evenness, roughness and grip of the road; determine the types of defects and their causes; establish the degree of defectiveness and design work to improve the quality of roads.

possess:

regulatory and technical documentation in the field of road diagnostics.

3. Competencies

To ensure the safety of motor transport by means of traffic management

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

The following forms are used to diagnose competencies:

Current certification: – defense of individual assignments.

Interim certification: – oral test.