

# **TEST PROCEDURES AND ASSESSMENT OF VEHICLE COMPLIANCE**

(course title)

## **COURSE SYLLABUS ABSTRACT**

Specialty 7-06 0715-01 Transport

(speciality code and name)

	STUDY MODE	
	full-time	part-time
Year	1	2
Semester	2	3
Lectures, hours	68	10
Practical classes (seminars), hours	50	8
Pass/fail, semester	2	3
Contact hours	118	18
Independent study, hours	278	378
Total course duration in hours / credit units	396/11	

### 1. Course outline

The purpose of the academic discipline is to develop in master's students the knowledge and skills that allow them to master, compose and apply methods of testing and assessing the conformity of vehicles, methods of analyzing modern technologies and scientific problems in road transport.

### 2. Course learning outcomes

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

- research methods used at the theoretical and experimental levels;
- statistical processing of experimental data;
- methods for modeling technological processes when testing and assessing the conformity of vehicles;
- methods for assessing the conformity of vehicles;
- methods for determining vehicle compliance parameters;
- methods of developing and making decisions.

be able to:

- analyze the behavior of vehicle systems;
- draw up algorithms for the functioning of vehicle systems;
- develop a procedure for testing and assessing the conformity of vehicles;
- synthesize and optimize vehicle testing models;
- draw up scientific and technical reports on test results.

possess:

- methods for assessing the conformity of vehicles;
- methods for determining compliance parameters of vehicles;
- methods of processing and analyzing the results of experiments and tests.

### 3. Competencies

CK-2 Apply methods of testing and assessing compliance with technical requirements of wheeled vehicles and their components;

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

The following forms are used to diagnose competencies: oral-written – reports on practical work with their oral defense, exam.