Instrument Monitoring of Motor Vehicles

(course title)

COURSE SYLLABUS ABSTRACT
of higher education institution speciality

6-05-0715-07 «Operation of ground transport and technological machines and complexes»

(speciality code and name)

Car service

(concentration)

	STUDY MODE
	full-time
Year	**4**
Semester	7
Lectures, hours	34
Practical exercises, hours	34
Exam, semester	7
Contact hours	68
Independent study, hours	62
Total course duration in hours / credit units	130/4

1. Course outline

The purpose of this course is to provide students with a system of scientific and professional knowledge and skills in the field of vehicle diagnostics using modern diagnostic equipment, as well as to develop their interest in their chosen field of study.

2. Course learning outcomes

Upon completion of the course, students will be expected to

know:

– the regulatory framework in the field of traffic and the technical condition of vehicles;

– the organization and technology of vehicle control during the state technical inspection;

– the design, operation, and maintenance of the equipment used during the state technical inspection of vehicles;

– the requirements for occupational safety during the state technical inspection of vehicles.

be able to:

– to develop and comply with the technology of checking the technical condition of vehicles during the state technical inspection;

– to organize the production process during the state technical inspection;

– to use the equipment used during the state technical inspection of motor vehicles and to perform its maintenance;

– to correctly determine the condition of a motor vehicle based on the results of the state technical inspection.

to possess a skill:

– vehicle diagnostics;

– vehicle technical condition monitoring.

3. Competencies

To possess skills in the management and organization of maintenance and repair of motor vehicles at motor transport enterprises.

4. Requirements and forms of midcourse evaluation and summative assessment

To diagnose competencies, an oral-written form is used.

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

- exam;

– reports on practical work with their oral defense.