TECHNICAL MAINTENANCE OF AUTOMOBILES

(course title)

COURSE SYLLBUS ABSTRACT

Specialty 6-05-0715-03 Cars, tractors, mobile and technological complexes
(speciality code and name)

Computer engineering in the automotive industry
(concentration)

	STUDY MODE
	full-time
Year	4
Semester	7
Lectures, hours	34
Laboratory classes, hours	34
Exam, semester	7
Contact hours	68
Independent study, hours	76
Total course duration in hours / credit units	144/4

1. Course outline

The discipline examines methods of managing the technical condition of rolling stock of motor transport, development and implementation of measures to ensure the operability, safety, efficiency of vehicles at the level of individual divisions and motor transport organizations as a whole.

2. Course learning outcomes

Upon completion of the course, students will be expected to

know:

- work processes, types of loading and methods for calculating vehicle elements;
- reliability theory and its application to solving technical operation problems.

be able to:

- apply the acquired knowledge during technical operation (TO) of vehicles;
- take into account the features of modern vehicle designs when organizing technological processes of maintenance and repair;
- assess the operational reliability of vehicles.

to possess a skill:

- methods of collecting and analyzing information on technical operation of vehicles.

3. Competencies

Apply vehicle diagnostic techniques.

4. Requirements and forms of midcourse evaluation and summative assessment

Exam – written form;

Defense of laboratory work – oral form.