

DEVICE OF VEHICLES
(course title)

COURSE SYLLABUS ABSTRACT
of higher education institution speciality

1-27 02 01 "Transport logistics"
(speciality code and name)

	STUDY MODE
	full-time
Year	2
Semester	3
Lectures, hours	34
Laboratory classes, hours	34
Exam, semester	3
Contact hours	68
Independent study, hours	40
Total course duration in hours / credit units	108/3

1. Course outline

The purpose of teaching this discipline is to develop in students a deep and comprehensive understanding of the design of vehicles (ATS), the processes occurring in the mechanisms, systems and devices of a car when working in real operating conditions, as well as the ability to independently evaluate a new mechanism or system, a new car as a whole.

2. Course learning outcomes

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

- the role, state and prospects for the development of the automotive industry (AI) cars;
- general structure and classification of vehicle;
- purpose, classification, arrangement and principles of operation of units, systems, mechanisms, units;
- the basic principles of the movement of vehicles;
- operational properties (OP) of vehicles;
- indicators, evaluation methods and ways to improve the OP;
- workflows, types of loading and methods for calculating elements in the vehicles;
- assessment methods and ways to improve vehicle;

be able to:

- apply knowledge on the design of the automatic telephone exchange during technical operation and transportation;
- evaluate the design perfection of the automatic telephone exchange;
- to study the patterns and principles of operation of new automatic telephone exchanges, their units, components, systems, mechanisms.

3. Competencies

Mastering this academic discipline should ensure the formation of the following competencies:

SC-4 - Know the structure and fundamentals of the theory of road transport for planning the processes of maintenance and repair of cars.

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

The following forms are used to diagnose competencies:

-oral and written

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

- reports on classroom laboratory work with their oral defense;
- exam.