

ELECTRICAL EQUIPMENT OF VEHICLES
(course title)

COURSE SYLLABUS ABSTRACT
of higher education institution speciality

1-37 01 07 "Vehicle Service"
(speciality code and name)

	STUDY MODE	
	full-time	part-time (shortened program)
Year	3	3
Semester	5	5
Lectures, hours	34	8
Laboratory classes, hours	34	8
Exam, semester	5	5
Contact hours	68	16
Independent study, hours	40	92
Total course duration in hours / credit units	108/3	

1. Course outline

Obtaining knowledge and skills in the analysis of modern designs, schemes, methods of diagnosing, maintenance and repair of electrical equipment of cars.

2. Course learning outcomes

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

- theory, principle of operation and design of the electrical system of vehicles as a whole, its individual subsystems and components;
- advantages and disadvantages of various models and modifications of units and systems of electrical equipment;
- principle of operation, device, design features of electrical equipment devices;

be able to:

- ensure the correct operation, maintenance and repair of devices and electrical equipment;
- identify the continuity and development trends of the main systems and components of electrical equipment;
- understand the device and features of the operation of new devices in automotive electrical systems.

possess:

- ensure the correct operation, maintenance and repair of devices and electrical equipment;
- identify the continuity and development trends of the main systems and components of electrical equipment;
- understand the device and features of the operation of new devices in automotive electrical systems.

3. Competencies

SC-6 Be able to use in practice the data on the assessment of the technical condition of electrical equipment and electronic systems of vehicles, obtained using diagnostic equipment, and by indirect signs

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 laboratory work with their oral defense.