

**SERVICE MAINTENANCE AND REPAIR OF PASSENGER 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	5,6	5,6
Lectures, hours	84	20
Laboratory classes, hours	68	16
Practical classes (seminars), hours	32	8
In-class test (semester, hours)		5 (2 hours)
Course paper, semester	7	6
Exam, semester	5,6	6
Contact hours	184	46
Independent study, hours	196	
Total course duration in hours / credit units	380/11	

1. Course outline

Service maintenance and repair of cars forms a stable system of knowledge, skills and professional competencies in the field of studying the patterns of changes in the technical condition of cars; methods, tools and technologies for performing diagnostics, maintenance and repair of passenger cars, obtaining knowledge on the rational management of maintenance and repair production processes, taking into account the conditions and labor protection of personnel, protecting the environment and reducing the cost of operating vehicles.

2. Course learning outcomes

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

- a system of maintenance and repair of vehicles;
- directions and trends for improving the technological processes of maintenance and repair in car service organizations and in the whole system of road transport;
- technology for performing cleaning and washing, anti-corrosion, diagnostic, bodywork and painting, polishing and other maintenance and repair of vehicles;

be able to:

- on a scientific basis to organize the work of engineering and technical personnel in car service organizations;
- develop technological processes for maintenance and repair of vehicles;
- generalize and use the best practices of car service organizations, the results of scientific research in the field of road transport;

possess:

- methods of diagnosing, maintenance and current repair of cars; - issues of labor protection, the environment and the scientific organization of labor in road transport;

3. Competencies

SC-7 To be able to use in practice the data on the assessment of the technical condition of vehicles obtained using diagnostic equipment, and by indirect signs.

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

Written: report.

Oral: report defense; survey during practical classes; coursework defense; presentation of the work performed, report. exam.

Oral and written: a written response to the ticket and an explanation of the response.