

VEHICLE SERVICE EQUIPMENT
(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	4	4
Semester	7	7
Lectures, hours	38	8
Practical classes (seminars), hours	26	6
Laboratory classes, hours	26	6
Course paper, semester	7	7
Exam, semester	7	7
Contact hours	90	20
Independent study, hours	100	170
Total course duration in hours / credit units	190/6,0	

1. Course outline

The means of technical equipment of a car service forms stable systems of knowledge, skills and professional competencies in the field of technological equipment and equipment for mechanization of the technical operation of vehicles, their units and tools (working bodies).

2. Course learning outcomes

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

- modern achievements of science and technology in the field of creating technical solutions, production and operation of technological equipment;
- methods and techniques of engineering analysis of design solutions for technological equipment objects;
- methods of its design and optimization;

be able to:

- to carry out the analysis of modes and operating conditions of objects of process equipment;
- use equipment and tools;
- apply a systematic approach when conducting patent information research;

possess:

- methods of designing the main elements of technological equipment;
- methods of analytical calculation of the optimal characteristics of technological equipment;
- all types of technological equipment when performing car service works.

3. Competencies

SC-13 Have the ability to use decision-making methods in the selection of rational equipment, the need to modernize existing equipment, and carry out the necessary calculations.

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.