VEHICLE SERVICE TOOLS AND WORKSHOP EQUIPMENT

(course title)

COURSE SYLLABUS ABSTRACT

6-05-0715-07 "Operation of ground transport and technological machines and complexes"

(specialty code and name)

Vehicle service

(concentration)

	STUDY MODE
	full-time
Year	4
Semester	7
Lectures, hours	50
Practical classes (seminars), hours	34
Laboratory classes, hours	34
Course project, semester	7
Exam, semester	7
Contact hours	118
Independent study, hours	112
Total course duration in hours / credit units	230/7

1. Course outline

The purpose of teaching the academic discipline "Technical equipment for car service" is the formation of a sustainable system of knowledge, skills and professional competencies in the field of technological equipment and tooling for the mechanization of the processes of technical operation of motor vehicles, their units and tools (working bodies).

2. Course learning outcomes

Upon completion of the course, students will be expected to

know:

- modern scientific and technological advances in the development of technical solutions, production, and operation of process equipment;
- methods and techniques for engineering analysis of process equipment design solutions; methods for its design and optimization;

be able to:

- analyze the operating modes and conditions of process equipment;
- use equipment and tools; apply a systematic approach when conducting patent information research;

to possess a skill:

- proficiency in design techniques for the main components of process equipment;
- proficiency in analytical calculation methods for optimal process equipment performance;
- proficiency in the use of all types of process equipment for auto repair work.

3. Competencies

Carry out calculations and analysis of the designs of technological equipment of organizations for the technical operation of the organization's vehicle fleet and auto service center.

4. Requirements and forms of midcourse evaluation and summative assessment

Oral: defense of laboratory and practical work.

Oral and written: passing an exam.