MAINTENANCE AND REPAIR OF GAS-POWERED VEHICLES COURSE SYLLABUS ABSTRACT

Specialty 6-05-0715-07 Operation of Land Transport and Technological Machines and Complexes
Specialization Technical Operation of Cars, Car Service

	STUDY MODE		
	full-time	part-time	part-time (shortened program)
Year	4	4	4
Semester	7	8	7
Lectures, hours	16	4	4
Practical classes (seminars), hours	34	8	8
Pass/fail, semester	7	8	7
Contact hours	50	12	12
Independent study, hours	94	132	132
Total course duration in hours / credit units	144/4	144/4	144/4

1. Course outline. A brief summary of the academic discipline. Features of the design of gas-cylinder cars, devices of units, assemblies and devices of gas-cylinder equipment and fittings, technology of carrying out routine works on its maintenance and repair, ways of elimination of malfunctions of gas-cylinder equipment arising in the course of operation, and also rules on occupational health and safety when carrying out maintenance and repair of gas-cylinder cars.

2. Course learning outcomes

Upon completion of the course, students will be expected to

know:

- the advantages and disadvantages of gas-cylinder cars in comparison with gasoline and diesel cars; marking, requirements and physical and chemical properties of fuel for gas-cylinder cars; device and principle of operation of gas-cylinder equipment, providing effective operation of the internal combustion engine on gaseous fuel

be able to:

- to perform adjustment work to ensure stable operation of the engine on gaseous fuel at minimum idle speed, in transitional modes, to ensure nominal power

to possess a skill:

- of using management decision-making methods in the operation, maintenance, and repair of gas-cylinder vehicles.

3. Competencies. To have the skills of managing and organizing the maintenance and repair of motor vehicles at motor transport enterprises.

4. Requirements and forms of current and intermediate certification. The form of intermediate certification is an oral test. The current certification form is oral defense of practical work.