

EXPLOITATION MATERIALS

(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	6	5
Lectures, hours	34	8
Laboratory classes, hours	16	4
In-class test (semester, hours)		5 (2 hours)
Pass/fail, semester	6	5
Contact hours	50	14
Independent study, hours	58	94
Total course duration in hours / credit units	108/3,0	108/3,0

1. Course outline

Formation of students' knowledge and skills that allow them to master a complex set of operational requirements for the quality of modern operating materials (fuels, lubricants, special fluids, non-metallic materials, adhesives), taking into account their impact on the reliability and durability of internal combustion engines.

2. Course learning outcomes

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

- basic principles for the selection of fuels and lubricants for vehicles;
- methods of storage and disposal of EM;
- safety precautions for the use and storage of operating materials.

be able to:

- to determine experimentally the main quality indicators of EM;
- select fuels, lubricants and technical fluids for specific vehicles.

possess:

- methods of storage of fuel and lubricants;
- techniques for predicting economic and environmental consequences.

3. Competencies

SC-4 Be able to carry out instrumental and visual quality control of fuel, lubricants and other consumables, adjust the modes of their use.

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

-oral and written

To assess the level of knowledge of students, the following diagnostic tools are used:

- reports on classroom laboratory work with their oral defense;
- offset.