

OPERATIONAL MATERIALS

(course title)

COURSE SYLLABUS ABSTRACT of higher education institution speciality

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

(speciality code and name)

Technical operation of vehicles, car service

(concentration)

| | STUDY MODE | | |
|---|------------|-----------|----------------------------------|
| | full-time | part-time | part-time (shortened program) |
| Year | 2 | 2 | 2 |
| Semester | 3 | 4 | 3 |
| Lectures, hours | 16 | 4 | 4 |
| Laboratory classes, hours | 16 | 4 | 4 |
| Test, semester | 3 | 4 | 3 |
| Contact hours | 32 | 8 | 8 |
| Independent study, hours | 76 | 100 | 100 |
| Total course duration in hours / credit units | 108/3 | 108/3 | 108/3 |

1. Course outline

Obtaining knowledge and skills on the organization of reception, accounting, rationing, issuance and write-off of operational materials (OM) in organizations of road transport (ORT).

2. Course learning outcomes

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

- basic principles of selection of fuels and lubricants for vehicles;
- OM used in road transport and their main properties;
- marking of domestic and imported OM;
- the principle of rationing OM;
- methods of storage and disposal of OM;
- safety precautions when using and storing operational materials.

be able to:

- to determine experimentally the main indicators of the quality of OM;
- normalize the consumption of OM;
- to predict the economic and environmental consequences of the use of specific operational

materials;

- select fuels, lubricants and technical fluids for specific vehicles.

to possess a skill:

- storage of fuel and lubricants;
- use of stands to determine the quality of fuel and lubricants;
- forecasting of economic and environmental consequences.

3. Competencies

- To carry out quality control and reasonable use of fuel and lubricants and other consumables during car maintenance

4. Requirements and forms of midcourse evaluation and summative assessment

To diagnose competencies, an oral-written form is used.

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

- test;
- reports on laboratory work with their oral defense.