COMPUTERS IN MOTOR VEHICLES
COURSE SYLLABUS ABSTRACT

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

Profiling "«Vehicle service»"

	STUDY MODE
	full-time
Year	1
Semester	2
Lectures, hours	34
Laboratory classes, hours	16
Pass/fail, semester	2
Contact hours	50
Independent study, hours	58
Total course duration in hours / credit units	108/3

1. Course outline

The academic discipline includes students gaining knowledge on the basics of using automated control systems (ACS) in road transport, methods for solving optimization problems in road transport.

2. Course learning outcomes

Upon completion of the course, students will be expected to

know:

- tasks in the field of technical operation of vehicles, transportation and traffic organization;
- methods for solving optimization problems using computer technology;
- automated control systems for road transport.

be able to:

- to select and analyze the available methods, models, algorithms for solving the problems of optimizing road transport;
– solve problems of optimizing road transport using computer technology.

possess:

– methods for solving optimization problems in road transport.

3. Competencies

UC-2 Solve standard tasks of professional activity based on the use of information and communication technologies;

UC-5 Be capable of self-development and improvement in professional activities;

SC-14 Possess the basics of research activities, search, analysis and synthesis of information/

4. Requirements and forms of midcourse evaluation and summative assessment

oral-written form: reports on laboratory work with their oral defense, pass/fail.