CAR AND TRACTOR STRUCTURE
(course title)

COURSE SYLLABUS ABSTRACT

6-05-0715-03 – «Cars, tractors, mobile and technological complexes»
(specialitycode and name)
Computer engineering
(concentration)

	STUDY MODE
	full-time
Year	1, 2
Semester	2, 3
Lectures, hours	68
Laboratoryclasses, hours	68
Pass/fail, semester	2
Exam, semester	3
Course paper, semester	3
Contacthours	136
Independentstudy, hours	152
Total course duration in hours / credit units	288/8

6-05-0715-07 – «Operation of ground transport and technological machines and complexes »
(specialitycodeandname)
Technical operation of cars and car service
(concentration)

	STUDY MODE		
	full-time	part-time	part-time
Year	1, 2	2	1,2
Semester	2, 3	3,4	2,3
Lectures, hours	68	12	12
Laboratoryclasses, hours	68	12	12
Pass/fail, semester	2	3	2
Exam, semester	3	4	3
Contacthours	136	24	24
Independentstudy, hours	188	300	300
Total course duration in hours / credit units	324/9		

1. Course outline

The purpose of studying the discipline is for students to acquire theoretical and practical knowledge on the design of motor vehicles.

2. Course learning outcomes

Upon completion of the course, students will be expected to

know:

- professional terminology in the field of automotive technology;
- the history and trends in the development of the design of cars and tractors and their individual parts;
- principles of operation of systems and units of modern vehicles;
- typical designs of car units and components and trends in their development;

be able to:

- to assess the degree of compliance of decisions taken during the development of designs of automotive vehicles with modern requirements and development trends;
- determine the adjustment elements of aggregates and assemblies of cars and tractors;

to possess a skill:

- work on debugging and regulation of aggregates and assemblies of cars and tractors.

3. Competencies

- for specialty 6-05-0715-03 Cars, tractors, mobile and technological complexes
- Be capable of self-development and improvement in professional activity
- Apply knowledge of the principles of operation, designs, and properties of autonomous transport equipment
- for specialty 6-05-0715-07 – « Operation of ground transport and technological machines and complexes »
- Apply knowledge of the principles of operation, designs, and properties of autonomous transport equipment

4. Requirements and forms of midcourse evaluation and summative assessment

For the current control of knowledge, a technical form is used – a test and an oral interview for the protection of laboratory work.

A technical form is used for intermediate certification in the test and exam.