

MOTOR VEHICLE STRUCTURE

(course title)

COURSE SYLLABUS ABSTRACT

6-05-0715-03 – «Cars, tractors, mobile and technological complexes»

(specialitycodeandname)

Computer engineering in the automotive industry

(concentration)

	STUDY MODE
	full-time
Year	1, 2
Semester	2, 3
Lectures, hours	68
Laboratoryclasses, hours	102
Pass/fail, semester	2
Exam, semester	3
Course paper, semester	3
Contacthours	170
Independentstudy, hours	190
Total course duration in hours / credit units	360/10

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;
- history and trends in the development of the design of the car and its individual parts;
- principles of operation of systems and units of modern vehicles;
- typical designs of units and components of the car and trends in their development;

be able to:

- to assess the degree of compliance of decisions taken during the development of vehicle designs with modern requirements and development trends;
- determine the adjustment elements of the units and components of the car.

to possess a skill:

- work on debugging and regulating the units and components of the car.

3. Competencies

-5 Apply knowledge of the principles of operation, designs, properties of autonomous transport equipment

4. Requirements and forms of midcourse evaluation and summative assessment

The technical form of the current control is a test, the oral form of the current control is an interview on the test and exam.

The technical form of intermediate certification is a test, the oral form of intermediate certification is an interview for the defense of laboratory work.