

TECHNOLOGY OF VEHICLE PRODUCTION AND REPAIR

ANNOTATION TO THE CURRICULUM OF HIGHER EDUCATION INSTITUTIONS

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

Profiling: «Technical operation of vehicles»

	STUDY MODE		
	full-time	part-time	part-time (shortened program)
Year	2,3	3	2,3
Semester	4,5	5,6	4,5
Lectures, hours	68	14	14
Practical classes (seminars), hours	16	4	4
Laboratory classes, hours	32	8	8
Course paper, semester	5	6	5
Exam, semester	4,5	5,6	4,5
Contact hours	116	26	26
Independent study, hours	100	190	190
Total course duration in hours / credit units	216/6	216/6	216/6

1. Course outline

The academic discipline is aimed at teaching future road transport specialists knowledge, skills and practical skills in organizing the production and repair of cars.

2. Course learning outcomes.

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

- manufacturing technology of blanks for automotive parts; progressive processes of mechanical processing of parts, including on CNC machines and in flexible production systems; fundamentals of assembly processes in the production of automobiles; basic provisions for car repair; technology of repair of cars and units in the conditions of specialized car repair enterprises; the purpose and essence of technological processes for the restoration of parts and components of cars; methods of restoring car parts, repair technology for their typical representatives; acquisition and assembly of typical connections, units and vehicles; prospects for the development of the automotive industry and car repair.

- be able to:

choose a rational way to restore parts; to develop technological processes for the restoration of parts and assembly of vehicle units at a high quality level; ensure high quality of acquisition and assembly of the main components and assemblies.

- possess: methodological foundations of the organization and technology of production and repair of cars and their main parts; methods for designing and planning technological processes for manufacturing and restoring parts.

3. Competencies

- Apply the methodological foundations of car production in the development of technological processes for servicing and repairing cars

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

Reports on classroom practical exercises with their oral defense; reports on laboratory work with their oral defense; term papers with their oral defense; exam in oral or written form.