

METHODOLOGY FOR DESIGNING PRODUCTION AND TECHNICAL FACILITIES OF AUTOMOTIVE ORGANIZATIONS

(course title)

COURSE SYLLABUS ABSTRACT of higher education institution

major 7-06-0715-01 TRANSPORT

(code and name)

Profiling Technical Maintenance of Motor Vehicles

	STUDY MODE	
	full-time	part-time
Year	1	2
Semester	2	3
Lectures, hours	68	16
Practical classes (seminars), hours	50	10
Course project	3	3
Pass/fail, semester	2	3
Contact hours	118	26
Independent study, hours	314	406
Total course duration in hours / credit units	432/12.0	

1. Course outline

The aim of the course is to provide students with a sustainable system of knowledge, skills and professional competencies in the field of design of production and technical facilities of automotive organizations.

2. Course learning outcomes

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

fundamentals of operational reliability of motor vehicles; organizational, technological and regulatory framework for the system of maintenance and repair of vehicles; organization and management of the process of maintenance and repair of vehicles at automotive organizations;

be able to:

apply modern science achievements in the field of design of production and technical facilities of automotive organizations; automotive design methods using innovative developments of industrial buildings; classification of technological equipment designed to perform technical operations on the vehicle fleet of automotive organizations.

possess:

skills of analysis and development of advanced technological processes for motor vehicles of automotive organizations; methods of technological design of production and technical facilities of automotive organizations; methods of development of technological planning solutions of production and technical facilities of automotive organizations using modern applied programs for the development of design documentation.

3. Competencies

Specialized competency-4: to have a good knowledge of the methodology and to be able to design the production and technical facilities of automotive organizations taking into account the operational requirements for vehicles, environmental safety, road safety and other regulations.

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

Oral: interviews during individual and group consultations; course project defense.

Oral and written: exam.