

## RECOVERY TECHNOLOGIES

(course title)

### COURSE SYLLABUS ABSTRACT of higher education institution speciality

1-37 01 07 "Vehicle service"

(speciality code and name)

	STUDY MODE	
	full-time	part-time
Year	3	3
Semester	5, 6	5, 6
Lectures, hours	68 (34, 34)	16 (8, 8)
Laboratory classes, hours	32 (16, 16)	8 (4, 4)
Course paper, semester	6	6
Exam, semester	5, 6	5, 6
Contact hours	100 (50, 50)	24
Independent study, hours	116 (58, 58)	192
Total course duration in hours / credit units	216/6	

#### 1. Course outline

The academic discipline consists in studying the theoretical foundations and instilling practical skills in obtaining modern knowledge necessary for in-depth study and problem solving in the production of diagnosing, restoring and repairing machines.

#### 2. Course learning outcomes

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

basic provisions and concepts in the field of car repair; methodology of promising technologies tested in practice and methods for restoring parts, introducing auxiliary equipment and technologies; the procedure for introducing and introducing into production and repair of devices and devices to ensure technological processes; methods for designing fixtures, stands and measuring instruments; characteristics of technological equipment used in recovery technologies; trends in the development of this area of technology, equipment and technologies and characteristics of the best foreign samples;

be able to:

analyze the conditions and modes of operation of vehicles, mechanisms and equipment, assess the state and level of automation, mechanization and efficiency of production processes for diagnosing and repairing; classify and use the experience of applying technological processes for the restoration of the most common defects; plan current and capital repairs; apply advanced methods and methodologies for conducting recovery operations; carry out an assessment of economic efficiency and justification of the technical process for the restoration of automotive parts; choose standard and auxiliary equipment and devices for restoration work; calculate the economic efficiency of the implemented new technological and design solutions; find and evaluate information about new methods and technologies for the restoration of machine parts;

possess:

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

#### 3. Competencies

SC-8 Have the ability to use decision-making methods on rational forms of maintaining and restoring the performance of vehicles

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

Oral and written: reports on laboratory work with their oral defense, term paper with its oral defense,

Oral: exam