

The second technological practice

(course title)

INTERNSHIP COURSE SYLLABUS

ABSTRACT

6-05-0715-07 "Operation of ground transport and technological machines and complexes"

(specialty code and name)

Technical Maintenance of Automobiles,

Vehicle service

(concentration)

	STUDY MODE		
	full-time	part-time	part-time (shortened program)
Year	3	4	3
Semester	6	8	6
Total course duration in hours / credit units	216/6		

1. Internship course outline (aims and objectives)

Summary of the internship program (goals and objectives of the internship)

The objectives of the second technological internship are to master students' practical skills and abilities and prepare them for independent professional activity in their specialty.

The objectives of the practice are:

- 1) familiarization with the functional activities, structure, organization and management of the OAT, its technical and economic indicators;
- 2) consolidation of knowledge on the design of cars and their elements through direct study in workshops;
- 3) study of methods and means of maintenance (TO), repair (R) and diagnosis (E) of cars, their aggregates, mechanisms and components, quality control of work;
- 4) study of the advanced technological processes and methods of maintenance and repair work in the organization, the technological equipment used and documentation;
- 5) study of issues of energy and resource conservation, labor and environmental protection, fire prevention measures;
- 6) study of the application of computer technology and modern technological equipment;
- 7) acquisition of practical work skills.

2. Course learning outcomes

Learning outcomes:

- to consolidate theoretical knowledge: the basics of vehicle maintenance and repair; the structure and operating principle of the main units and systems of a vehicle (engine, transmission, chassis, electrical equipment, etc.); regulatory and technical documentation (GOSTs, maintenance regulations, safety rules); methods of diagnosing vehicle faults; modern technologies and equipment used in car service.
- to master practical skills: conducting vehicle diagnostics using specialized equipment; performing maintenance (changing oil, filters, brake pads, etc.); identifying faults and developing methods for eliminating them; working with technical documentation (electrical diagrams, service manuals); interacting with clients, consulting on repair and maintenance issues.
- to develop practical expertise: performing work on repair and maintenance of cars; using diagnostic equipment (scanners, stands, measuring devices); preparing reporting documentation (certificates of work performed, defect statements); compliance with labor protection and safety regulations at the car service; teamwork and organization of the work process.

3. Competencies

- Solve standard tasks of professional activity based on the use of information and communication technologies;
- Be capable of self-development and improvement in professional activity;
- Analyze the structure and operating principles of vehicle units and assemblies.

4. Form of midcourse evaluation

- differentiated credit.