Pre-graduation Internship

(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,
Car service
(concentration)

	STUDY MODE		
	full-time	part-time	part-time (shortened program)
Year	**4**	**5**	**4**
Semester	8	10	8
Total course duration in hours / credit units	216/6		

1. Internship course outline (aims and objectives)
The goals of pre-diploma practice are for students to master practical skills and abilities and prepare them for independent professional activities, collect and systematize the materials necessary to complete sections of the DP.
The objectives of the practice are:
- mastering and consolidating the knowledge and skills of students obtained at the university throughout the course of study;
- checking the capabilities of independent work of the future specialist in the conditions of a specific production;
- familiarization with the technical documentation on the construction of OAS (GOAS, ATO), their production units;
- collection and analysis of technical and economic indicators of OAS (GOAS, ATO);
- collection and analysis of materials on the technological, design parts of DP;
- collection and analysis of material on the research part of DP;
- collection and analysis of materials on the economic part of DP;
- development of measures and recommendations to improve the efficiency of OAS (GOAS, ATO)as a whole, production zones and sections, technological equipment, labor protection and the environment, etc., which should be reflected in the relevant sections developed by the DP.
2. Course learning outcomes
Learning outcomes:
– to consolidate theoretical knowledge: the basics of vehicle maintenance and repair; the design and operating principles of the main vehicle components and systems (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 their elimination; working with technical documentation (electrical diagrams, service manuals); interacting with clients, consulting on repair and maintenance issues.
– to develop practical expertise: performing vehicle repair and maintenance work; using diagnostic equipment (scanners, stands, measuring devices); preparing reporting documentation (certificates of work performed, defective statements); complying with labor protection and safety regulations at a car service; teamwork and workflow organization.
3. Competencies
- Apply technological standards for the design of production units of organizations for the technical operation of the organization’s vehicle fleet and car service center;
- Carry out calculations and analysis of designs of technological equipment of organizations for the technical operation of the organization’s vehicle fleet and car service;
- Show initiative and adapt to changes in professional activities;
- Possess skills in the field of management and organization of technical maintenance and repair of vehicles of road transport enterprises;
- Ensure the formation of entrepreneurial initiatives and the achievement of the best results in the activities of organizations for the technical operation of the organization’s vehicle fleet and car service center;
- Carry out quality control and reasonable use of fuel, lubricants and other consumables during vehicle maintenance;
- Apply methods and means of technological equipment to maintain vehicles in technically sound condition.
4. Form of midcourse evaluation
- differentiated credit.