PROTECTION OF THE POPULATION AND FACILITIES FROM EMERGENCIES. RADIATION SAFETY

ANNOTATION
TO THE CURRICULUM OF A HIGHER EDUCATION INSTITUTION

Specialty 6-05-0714-02 Engineering technology, metal-cutting machines and tools
Profiling: 6-05-0714-02-3 Equipment and technologies for highly efficient material processing processes
6-05-0714-02-2 Technological equipment for machine-building production
6-05-0714-02-1 Engineering technology

	Form of higher education	
	Full-time (day)	Correspondence 6-05-0714-02-1
Course	1	1
Term	1	2
Lectures, hours	16	4
Laboratory Classes, hours	16	4
Credit, semester	1	2
Classroom hours for the academic discipline	32	8
Independent work, hours	76	100
Total hours/credits	108/3	108/3

1. Summary of the academic discipline
Discipline "Protection of the population and facilities from emergency situations. Radiation safety" includes the theoretical foundations of human life safety, a brief description of emergency situations, a system of measures for the prevention and elimination of emergency situations, the response to them of management bodies, the forces of the State Emergency Service, civil defense, the population in emergencies, as well as the basics of radiation safety.

2. Learning outcomes

to know: the most probable emergency situations of natural, man-made, biological, social and social nature that may arise on the territory of the republic; the theoretical foundations of ensuring the safety of human life in modern conditions, taking into account the profile of professional training; the content of measures to prevent emergencies; the procedure for providing first aid to victims in emergency situations; the content of measures to ensure the sustainability of the functioning of organizations in conditions of hazards and emergencies of a natural and man-made nature, hazards arising during the conduct of military operations or as a result of these actions; the structure, tasks, functions and capabilities of the State System of Emergency Prevention and Response and civil defense, the basics of human radiation safety and its survival in conditions of radioactive contamination.
be able to: use methods of forecasting, assessing the situation in emergency situations and take measures to prevent them in their areas of work; act correctly in emergency situations and make appropriate decisions; survive in emergency situations of natural and man-made nature, hazards arising during the conduct of hostilities or as a result of these actions; organize work to ensure safety in emergency situations; use personal protective equipment; work with chemical, dosimetric and environmental monitoring devices, as well as with other equipment used in the monitoring and laboratory control network.
have the skill: skills in carrying out measures to prevent emergencies; skills in carrying out measures to ensure the sustainability of the functioning of organizations in emergency situations of peacetime and wartime.
3. Formed competencies
BOD-2 - Apply the main methods of protecting the population from negative factors of anthropogenic, technogenic, natural origin, the principles of rational environmental management and energy conservation, ensure healthy and safe working conditions
4. Requirements and forms of current and interim certification:
- control work;
- protection of an individual task;
- protection of laboratory work.
Intermediate - offset.