

**PROTECTION OF THE POPULATION AND OBJECTS FROM EMERGENCY SITUATIONS.
RADIATION SAFETY**

ANNOTATION

TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 1– 36 01 01 Engineering technology

1– 53 01 01 Automation of technological processes and production (by directions)

1– 36 01 04 Equipment and technologies for highly efficient material processing processes

Direction of specialty _____

Specialization _____

	STUDY MODE		
	Full-time		
Course	1		
Semester	1		
Lectures, hours	34		
Practical classes (seminars), hourse	-		
Laboratory classes, hours	16		
Test, hours	1		
Total classroom hours for discipline	50		
Independent work, hours	58		
Total course duration in hours / credit units	108/3		

1. Brief content of the discipline

Discipline “Protection of the population and objects 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 of the authorities, the forces of the State Emergency Service, Civil Defense, the population in emergency situations, as well as the basics of radiation safety.

2. Learning Outcomes

know: the theoretical foundations of ensuring the safety of human life in modern conditions; 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 the face of dangers and emergencies of a natural and man-made nature and in the event of hostilities; structure, tasks, functions of the State Emergency Service and Civil Defense; Fundamentals of human radiation safety. be able to: use methods of forecasting, assessing the situation in emergencies and take measures to prevent them; act correctly in emergency situations and make appropriate decisions; survive in emergency situations of a natural and man-made nature and in the event of hostilities; organize work to ensure safety in emergency situations; use personal protective equipment; work with chemical, dosimetric devices, as well as with other equipment used in the monitoring and laboratory control network.

possess: the skills of implementing measures to prevent emergencies; skills to take measures to ensure the sustainability of the functioning of organizations in emergency situations of peacetime and wartime.

3. Formed competencies

BOD-7 - Be able to apply the basic rules of safety, industrial sanitation, fire safety and methods for protecting production personnel, the population and the environment from the possible consequences of accidents, natural disasters, man-made disasters (for special 1-36 01 04).

BOD-2 Be able to apply the basic rules of safety, industrial sanitation, fire safety, ecology and methods of protecting production personnel and the public from the possible consequences of accidents, natural disasters, man-made disasters (for special 1-36 01 01).

BOD-2 - Be able to ensure compliance with safety regulations, industrial sanitation, fire safety and labor protection standards, develop environmental and energy-saving measures, master the basic methods for protecting production personnel and the population from the negative impacts of anthropogenic, man-made, natural factors (for special 1-53 01 01).

4. Requirements and forms of current and intermediate certification:

- test;
- protection of an individual task;
- protection of laboratory works.