HUMAN SAFETY
ANNOTATION
TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION
Specialty 1-40-05-01 Information systems and technologies

	STUDY MODE Full-time
Course	**1**
Semester	1
Lectures, hours	34
Practical (seminar) classes, hours	16
Laboratory classes, hours	16
In-class test, hours	1
Classroom hours per academic discipline	66
Independent work, hours	114
Total course duration in hours / credit units	180/5

1. Brief content of the discipline

Global environmental problems. Natural and anthropogenic sources of air pollution. Problem water supply in the world and sources of pollution of water resources. Ecological problems of the use of land and biological resources. Sanitary state of the natural environment and its impact on human health. exhaustible sources of energy. Rational use of subsoil resources. Non-traditional energy sources. Energy saving in buildings and structures. The physical nature of radiation hazard for humans and the natural environment. The impact of ionizing radiation on the human body. The main ways to protect the population and objects. Industrial sanitation and occupational health. Electrical safety. Fire safety basics

Protection from dangerous and harmful factors when working on a personal computer

2 Learning outcomes

know:

- ways to protect the population and eliminate the consequences of emergency situations;
– global and local environmental problems;
– principles of using alternative energy sources;
- the main provisions of regulatory legal acts in the field of labor protection management and fire safety in the Republic of Belarus.

be able to:

- apply means of protection against negative environmental influences;
– analyze the quality of the environment;
- economically and rationally use energy in the professional field;
- to choose methods to reduce the risk of negative consequences;

own:

- the skills of making informed decisions to ensure the safety of the population;
- the main methods for identifying environmentally friendly energy sources;
- skills to ensure comfortable living conditions

3. 3. Formed competencies

Codes of generated competencies	Names of competencies being formed
AK-1.	Be able to apply basic scientific and theoretical knowledge to solve theoretical and practical tasks
AK-2	Be proficient in system and comparative analysis
AK-4	Be able to work independently
AK-9	Be able to learn, improve your skills throughout your life
AK-10	Use the basic laws of natural science disciplines in professional activities
AK-12	Own the basic methods of protecting production personnel and the public from possible consequences of accidents, catastrophes, natural disasters
AK-14	Organize your work on a scientific basis, independently evaluate the results of your activities
CJIK-1	Possess the qualities of citizenship
CJIK-2	Be capable of social interaction
CJIK-4	Learn health care skills.
ПК-18	Work with legal literature and labor legislation
ПК-21	Analyze and evaluate collected data

4. Requirements and forms of current and intermediate certification

The following forms are used to diagnose competencies:

- oral (interview, oral examination);
- written (written reports on laboratory work and classroom practical exercises, tests, assessment based on the case method);