

BUNIN YELETS STATE UNIVERSITY

WORKING PROGRAM OF THE DISCIPLINE

B1.C.03.01 Life safety

Training area: 38.03.02.03.02 Management

Specialization: Organization management and logistics

Qualification (degree): Bachelor's degree

Form of study: full-time

Institute of Economics, Management and Service Technologies

Department of Economics and Management named after N. G. Nechaev

	full	-time part- shape	time correspondence
Course	1		
Semester / trimester	1		

Lectures	18		
Laboratory classes			
Practical (seminar) classes	18		
Consultations Form			
(s) of intermediate certification	Credit		
Control			
Independent work	36		

Total hours: 72

Labor intensity: 2 _ _ credite unitss.

Developer(s) of the work program:

st. teacher of the department ofFKPFPBZH

K. A. Polyakova

Signature

I.ORGANIZATIONAL AND METHODOLOGICAL SECTION

The purpose of studying the discipline: the formation of a professional safety culture, which is understood as the readiness and ability of an individual to use in professional activities the acquired set of knowledge, skills and abilities to ensure safety in the field of professional activity, the nature of thinking and value orientations, in which security issues are considered as a priority.

Tasks of studying the discipline

- gain an understanding of sustainable development issues and risks associated with human activities;
- mastering the methods of life rationalization aimed at reducing the anthropogenic impact on the natural environment and ensuring the safety of individuals and society;
- a culture of professional safety, the ability to identify hazards and assess risks in the field of their professional activities;
- motivation and abilities for self-improvement of the safety culture level;
- ability to assess the contribution of their subject area to security solutions;
- ability to provide a reasoned justification for their decisions from the point of view of security.

Place of the discipline in the structure of the OPOP: implemented as part of the mandatory part of the block B1. Disciplines (modules).

Planned results of training in the discipline:

Code of competence	Indicators of achievement of competence	Planned results of training in the discipline
UC-8	Know: - the basics of ensuring safe and / or comfortable working conditions in the workplace;	Knows: - rules of industrial (industrial) and household safety in the workplace; - methods and methods of protecting production personnel in emergency situations;
	Be able to: - identify and eliminate problems related to safety violations at the workplace;	Be able to: - recognize the main signs of emergency situations. - assess the degree of risk of hazards;
	Possess: - actions to prevent the occurrence of emergencies (of natural and man-made origin) at the workplace and to carry out rescue and emergency emergency recovery measures in the event of emergencies.	Owens: - emergency assessment methods; - a way to choose optimal actions in emergency situations, based on knowledge of potential hazards, means and methods of protection, and skills in their practical use.
GPC-3	Should Know: - basic methods and models for making organizational and managerial decisions	Knows: - problems, tasks and methods of scientific research, sources in order

	and their socio-economic consequences.	to obtain information, modern methods of scientific research
	should be able to: - identify the problem situations of the organization's activity, justify, develop and implement organizational and managerial decisions; - evaluate the expected results of the proposed organizational and managerial decisions and assess the organizational and social consequences of the decisions taken.	Can do: - identify problems, tasks and methods of scientific research; obtain new reliable facts based on observations, experiments, scientific analysis of empirical data; summarize the results obtained in the context of previously accumulated knowledge in science; - formulate conclusions and practical recommendations based on representative and original research results
	; Possess: - methods of evaluating the expected results of implementing the proposed organizational and managerial solutions, using modern tools; - methods of analyzing the results of problem situations in the organization and developing organizational and managerial solutions, taking into account the achievement of economic and social efficiency.	Owns: - skills of summarizing the results obtained in the context of previously accumulated knowledge in science ; - skills of reviewing scientific papers, compiling analytical reviews of accumulated information in world science and production activities

II. CONTENT AND SCOPE OF THE DISCIPLINE

with an indication of the number of hours allocated for students ' contact work with a teacher (by type of training sessions) and for independent work

Full-time education

n /	a Name of sections and	topics Total	Classroom classes			Sam. rab.
			LC	PZ	LB	
	Section 1. Fundamentals of life safety	12	3	3		6
	Topic 1. Theoretical foundations of Belarusian	Railways 4	1	1		2
	Topic 2. Man as the main element of Belarusian	Railways 4	1	1		2
	Topic 3. Fundamentals of a healthy lifestyle	4	1	1		2
	Section 2. Natural emergencies	20	5	5		10
	Topic 4. Earthquakes	4	1	1		2
	Topic 5. Floods	4	1	1		2
	Topic 6. Landslides, mudslides, avalanches	4	1	1		2
	Topic 7. Forest and peat fires	4	1	1		2

	Topic 8. Storms, hurricanes, tornadoes	4	1	1		2
	Section 3. Man-made emergencies	20	5	5		10
	Topic 9. Transport operations accidents and catastrophes	4	1	1		2
	Topic 10. Fires and explosions	4	1	1		2
	Topic 11. EMERGENCIES related to the release of chemically hazardous substances	4	1	1		2
	Topic 12. Accidents involving the release of radioactive substances	4	1	1		2
	Topic 13. Hydrodynamic accidents	4	1	1		2
	Section 4. Social emergencies	8	2	2		4
	Topic 14. Mass riots	4	1	1		2
	Topic 15. Criminogenic situations	4	1	1		2
	Section 5. Protection of the population in emergency situations	12	3	3		6
	Topic 16. Unified State system of emergency prevention and response	4	1	1		2
	Topic 17. Protection from hazards in the technosphere	4	1	1		2
	Topic 18. First aid	4	1	1		2
	<i>Offset</i>					
	<i>Total for _1_ semester</i>	<i>72</i>	<i>18</i>	<i>18</i>		<i>36</i>
	TOTAL:	72	18	18		36

Full-time and part-time education

not implemented

Part-time education

not implemented

INTERMEDIATE CERTIFICATION OF STUDENTS IN THE DISCIPLINE

Current certification is carried out in the form of a control work, test, abstract, creative task, case study, etc.

Standard version of the control work

Solve a situational problem

№1

The emergency response system received a signal about the approach of a hurricane. Your actions in case of a threat and during a hurricane.

№2

As a result of a road accident near the Simferopol reservoir, a tanker truck carrying chlorine was depressurized.

The resulting yellow-green cloud was moving towards the residential area. People in the immediate vicinity of the accident site were the first to experience acute suffocation attacks. In total, 112 people received chlorine poisoning of varying severity. 10 of them were immediately hospitalized in the intensive care unit. All the others were taken under medical supervision because of the risk of toxic pulmonary edema.

1. What group of SDYAV does chlorine belong to?
2. Indicate possible routes of poisoning.
3. What is the main type of lesion that develops when exposed to this substance?
4. Name the amount of first aid and first aid for chlorine poisoning.

Answers

№1

After receiving information about the hurricane threat, you must:

close windows, doors, attic hatches and air vents on the windward side of buildings and open them on the leeward side.

prepare a supply of food, drinking water, lanterns, candles, medicines and other necessary equipment;

take shelter in buildings or shelters (in case of a tornado - only in basements and underground structures); in buildings, take places in niches, near walls, in built-in cabinets; while on the street, take shelter in a pit, ravine, ditch, or ditch that are located at a distance from buildings and structures; while in transport, you should leave it and take shelter in a safe place (ditch, basement, shelter). during a hurricane or tornado, do not enter damaged buildings.

If you find yourself in a building during a hurricane, move away from the windows and take a safe place (niche, doorway, corner formed by the main walls). After waiting for the wind gusts to decrease, move to a more reliable shelter (shelter, basement, cellar).

№ 2.

1. Substances with a predominantly suffocating effect.
2. Inhaled.
3. Pulmonary edema.

4. First aid: putting on a gas mask, taking out of the area of infection. In case of reflex respiratory arrest - artificial respiration. First aid is aimed at stopping the developing pulmonary edema: calcium chloride, ascorbic acid, prednisone intravenously, oxygen-air mixture with alcohol vapors

Approximate topics of research papers

1. Formation of the Belarusian Railways Science: development history and theoretical foundations
2. Man in the environment as the main element of the Belarusian Railways
3. Danger and safety-key concepts of Belarusian Railways science
4. Understanding a healthy lifestyle in modern society
5. The problem of society's attitude to alcohol, tobacco and drugs
6. Modern forms of human addiction
7. Organization of safe work on personal computers and видеодисплейныхvideo display terminals
8. Earthquake as a natural emergency
9. Ways to prevent and eliminate the consequences of floods
10. Peat fires and their effects on the human environment
11. Storms, hurricanes, tornadoes and their varieties, features of the place of occurrence
12. Safety of life in transport
13. Emergency Chemical Hazardous Substances (AHS)
14. Radiation as a factor of human impact
15. Global environmental changes
16. Emergency situations in a crowded environment
17. History of the development of weapons of mass destruction
18. Society and terrorism
19. National security of the country in modern conditions
20. ESR and human habitat safety
21. Providing first aid

Intermediate certification of students is carried out in the form of a test using the following assessment materials: *list of questions for the test.*

Questions for the test

(1 semester, full-time study)

1. Purpose and content of the Belarusian Railways teaching
2. Principles of the science of Belarusian Railways
3. Concepts and terms of the Belarusian Railways science
4. Human and habitat
5. Fundamentals of human interaction with the environment
6. Parameters and types of human impact of flows
7. Hazards and their classification
8. Acceptable risk concept
9. Security, security systems
10. The ratio of health and a healthy lifestyle
11. Components of a healthy lifestyle
12. Nicotine, alcohol and drug addiction
13. Other forms of addiction: Internet, gambling
14. Causes and characteristics of an earthquake
15. Earthquake prediction and protection
16. Seaquake. Tsunami

17. Volcanic eruption
18. Classification and types of floods
19. Protection and actions of the population in the event of a flood threat
20. Landslides: characteristics and classification
21. Landslides: causes and classification
22. Mudslides: types, conditions, and types of mudflow formation
23. Snow avalanches: factors of occurrence and classification
24. Actions of the population in case of landslides, mudslides, and avalanches
25. Types of forest fires and their consequences
26. Extinguishing forest fires
27. Peat fires
28. Fighting peat fires
29. Origin and assessment of storms, hurricanes, and tornadoes
30. Measures to ensure safety in the event of storms, hurricanes and tornadoes
31. Actions of the population in case of threat and during storms, hurricanes and tornadoes
32. Accidents on public transport
33. Railway accidents
34. Accidents on air transport
35. Accidents on water transport
36. Characteristics and classification of fire and explosion hazardous objects
37. Classification and characterization of fires and explosions
38. Explosions of condensed explosives, gas, steam and dust-air mixtures
39. Classification of accident and chemical hazardous substances
40. Accidents with gas emissions
41. Open radioactivity phenomena
42. Natural sources of radioactivity on Earth
43. Accidents at radiation-hazardous facilities
44. Actions of the population in the event of an accident at a nuclear power plant
45. Accidents at hydraulic structures
46. Causes and types of hydraulic accidents
47. Consequences and measures to protect the public from hydrodynamic accidents
48. The greenhouse effect
49. Acid precipitation
50. Earth's Ozone Screen
51. Waste problem
52. Deforestation
53. Anthropogenic impact on the hydrosphere
54. City as a high-risk environment, crowd, types of crowds
55. Panic as a condition for the occurrence of an emergency
56. Mass pogroms, spectacles and holidays
57. Crowd safety
58. Nuclear and thermonuclear weapons
59. Chemical weapons
60. Bacteriological weapons
61. Characteristics of the criminal situation
62. Professional crime
63. Economic crime
64. Emergency response forces and resources
65. Emergency prevention and response
66. Modes of functioning of RSChS
67. General principles of protection against hazards
68. Personal protective equipment

69. Protection against emergency hazards
70. Injuries and first aid
71. Conditions that are directly life-threatening
72. Loading and evacuation of the victim

IV. LIST OF LITERATURE REQUIRED FOR MASTERING THE DISCIPLINE

5.1. Basic literature

1. Bezopasnost ' zhiznedeyatel'nosti : uchebnik : [16+] / ed. by E. I. Kholostova, O. G. Prokhorova. - 2nd ed. - Moscow: Dashkov & Co., 2019. - 453 p.: ill. - (Educational publications for bachelors). - Access mode: by subscription. – URL: <http://biblioclub.ru/index.php?page=book&id=573161> (accessed: 25.04.2024). - Bibliogr. in the book-ISBN 978-5-394-03216-5. - Text: electronic.

5.2. Additional literature

1. Sergeev V. S. Bezopasnost ' zhiznedeyatel'nosti : uchebnik dlya vuzov [Life safety: a textbook for universities]. Moscow: Vldos Publ., 2018, 481 p. (Textbook for universities). - Bibliogr. in the book. - ISBN 978-5-906992-88-8; The same [Electronic resource]. - URL: <http://biblioclub.ru/index.php?page=book&id=486156>
2. Khvan T. A., Khvan P. A. Bezopasnost ' zhiznedeyatel'nosti: uchebnoe posobie dlya studentov VUZov [Life safety: a textbook for, П.А. Хван university students].

V.. LIST OF RESOURCES OF THE INFORMATION AND TELECOMMUNICATION NETWORK "INTERNET" REQUIRED FOR MASTERING THE discipline

№ pp	Link to information resource	Name of the development in electronic form	Availability
1.	https://infourok.ru/	Infowork: an educational Internet project in Russia. Includes: lesson notes, presentations, tests, video tutorials, and other materials on school curriculum subjects.	Free access

2	https://www.vniigochs.ru	All-Russian Research Institute for Civil Defense and Emergency Situations of the EMERCOM of Russia	Free access
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VI. MODERN PROFESSIONAL DATABASES AND INFORMATION REFERENCE SYSTEMS

1.	http://www.biblioclub.ru	Electronic library system system (EBS) University Library Online	Registration via any university computer. In the future, unlimited individual access is provided from any point where there is access to the Internet.
2.	www.garant.ru	Legal information portal	Free access
3.	www.elibrary.ru	Russian information portal in the field of science, technology, medicine and education	Free access
4.	www.consultant.ru	Russian Computer Reference and Legal system	Free access

VII. LICENSED AND FREELY DISTRIBUTED SOFTWARE

When implementing an academic discipline, the following licensed and freely distributed software is used:

- Microsoft Windows;
- Microsoft Office;
- LibreOffice ,etc..

VIII. EQUIPMENT AND TECHNICAL MEANS OF TRAINING NECESSARY FOR THE IMPLEMENTATION OF THE EDUCATIONAL PROCESS IN THE DISCIPLINE

Training sessions are held in classrooms equipped with specialized furniture, including stationary or portable teaching equipment (projector, screen, computer / laptop).

Independent work is carried out in classrooms equipped with computer equipment with the ability to connect to the Internet and provide access to the electronic information and educational environment of the university.

