


Ministry of science and high education RF Ulyanovsk State University	Form	
F-Educational plan of Disaster medicine		

**APPROVED**  
by the decision of the Academic Council of the USU Institute of Medicine,  
Ecology and Physical Culture  
May «12» 2021, №9/229  
Chairman  V.I. Midlenko  
(signature, signature clarification)  
«12» May 2021



### EDUCATIONAL PLAN

Subject:	Disaster medicine
Faculty	Medical
Department	of hospital surgery, anesthesiology, reanimatology, urology, traumatology, orthopedics
Course	6


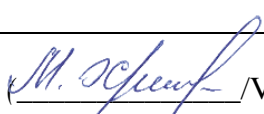
Speciality 31.05.01. «General medicine»  
(code of the speciality, full name)  
Form of education- full-time education


Date of introducing in the instruction process at USU: « 1 » of September 2021.

The program was updated at the meeting of the department: №01 of 31.08. 2022.  
The program was updated at the meeting of the department: №01 of 31.08. 2023.  
The program was updated at the meeting of the department: №10 of 16.05. 2024.

Information about the authors:

Initials	Abbreviation of the department	Degree, scientific rank
Bely Lev E.	of hospital surgery, anesthesiology, reanimatology, urology, traumatology, orthopedics	Professor, MD, Associate Professor

AGREED	AGREED
Head of department of hospital surgery, anesthesiology, reanimatology, urology, traumatology, orthopedics, developing discipline	Head of the graduating Department of hospital therapy
 /Midlenko V.I./ <i>signature</i> «12» May 2021 yr.	 /Vise-Chripunova M.A. <i>signature</i> «12» May 2021 yr.

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## 1. OBJECTIVES AND AIM OF DISCIPLINE:

**Objectives of the discipline:** to prepare graduates of medical universities for practical performance of functional duties in special health units, formations and institutions of the civil defense medical service and the disaster medicine service.


**The aim of mastering the discipline:** to prepare graduates of medical universities to work on providing medical assistance to the affected population in emergency situations.

## 2. PLACE OF THE SUBJECT IN THE STRUCTURE OF GEP:

Discipline «Disaster medicine» to professional cycle GEP HE of specialty «General medicine». The student must master the content of academic disciplines before starting to study it: "Anatomy", "Biochemistry", "Hygiene", "Microbiology and Virology" and have an idea of what areas of their future professional activities, he will be able to use this knowledge in the framework of competences, due to the specifics of its future work.

## 3. LIST OF EXPECTED RESULTS OF INSTRUCTION ON THE SUBJECT (UNIT), CORELATED WITH PLANNED RESULTS OF COMPLETING THE PROGRAM

Code and name of the competence being implemented	A list of planned learning outcomes for the discipline (module), correlated with indicators of achievement
<i>UC-8 competencies</i> , It is able to create and maintain safe living conditions in everyday life and in professional activities for the preservation of the natural environment, ensuring the sustainable development of society, including in the event of a threat and occurrence of emergency situations and military conflicts	<p><b>Know:</b> the basics of providing various types of medical care to the affected population;</p> <p><b>Be able to:</b> provide first medical, pre-medical and first aid to the affected population in wartime and emergency situations of natural and man-made nature;</p> <p><b>Own:</b> the algorithms perform basic medical-evacuation actions at the stages of medical evacuation in emergency situations in peacetime and in war and war conflicts</p>
<b>PC-1</b> <i>competencie</i> , Readiness to participate in the provision of emergency medical care in conditions requiring	<p><b>Know:</b> the main natural and technological hazards, their properties and characteristics.</p> <p>- the nature of the impact of harmful and dangerous factors on humans and the natural environment, methods and methods of protection against them. - possible</p>

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urgent intervention	medical	<p>consequences of accidents, catastrophes, natural disasters and methods of using modern means of destruction.</p> <p>- methods of population protection in case of emergencies</p> <p><b>Be able to:</b> - identify the main hazards of the human environment, assess the risk of their implementation. - make decisions on appropriate actions in an emergency.</p> <p>- choose methods of protection against harmful and dangerous factors of an emergency</p> <p><b>Own:</b> - conceptual and terminological apparatus in the field of life safety.</p> <p>- methods and methods of using personal protective equipment in emergencies.</p> <p>- the main methods of protecting production personnel and the population in the event of an emergency.</p>
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#### 4. GENERAL LABOR INTENSITY OF THE DISCIPLINE

4.1. the volume of the discipline in credit units( total): 4

4.2. The amount of discipline at types of training (in hours):

Type of academic work	Number of hours 144	
	Total according to the plan	including semesters:
		B
1	2	3
Contact work of students with the teacher in accordance with up	62	62
Classroom classes:	62	62
lectures	12	12
Seminars and practical classes	50	50
laboratory work, workshops	-	-
Self-study	36	36
Form of current knowledge control and control's self-study control:	Testing, abstract	Testing, abstract
Course work	-	-
Types of intermediate certification (exam, credit)	Exam (36 hours)	Exam (36 hours)
Total hours in the	144	144


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discipline		
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### 4.3. Content of the discipline (module.) Distribution of hours by subject and type of study work:

Full-time training

Names of sections and topics	Total	Types of training sessions					Form of current knowledge control
		Classroom classes			interactive Activities asset in any other form	Independent editor Independent work	
		Lectures	Practical classes, seminars	Laboratory work, workshops			
1	2	3	4	5	6	7	
Medical protection of the population and rescuers in emergency situations. Fundamentals of the all-Russian disaster medicine service. Fundamentals of civil defense.	12	2	6	-	-	4	Testing, abstract
Preparation of medical and preventive personnel to work in emergency situations	12	2	6	-	2	4	Testing, abstract
Organization of medical evacuation support of the population in emergency situations.	12	2	6	-	2	4	Testing, abstract
Medical and sanitary support in the event of	12	1	6	-	1	4	Testing, abstract

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liquidation of consequences of emergency situations of a technogenic (anthropogenic) nature.							
Medical and sanitary support in the elimination of consequences of natural emergencies (natural disasters).	12	1	6	-	1	4	Testing, abstract
Organization of sanitary and anti-epidemic support in emergency situations and in wartime	12	1	6	-		4	Testing, abstract
Introduction to toxicology. Basic laws of interaction between the body and chemical substances. Toxic chemicals and their impact on the body.	12	1	6	-		4	Testing, abstract
Introduction to radiobiology. Fundamentals of the biological action of ionizing radiation. Radiation damage to the	12	1	4	-		4	Testing, abstract

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body.							
Medical and technical means of prevention, personal protection and assistance in chemical and radiation damage.	12	1	4	-		4	Testing, abstract
Total	108	12	50	-	6	36	

## 5. COURSE CONTENT

### Topic 1.

Medical protection of the population and rescuers in emergency situations. Fundamentals of the all-Russian disaster medicine service. Fundamentals of civil defense.

**The content of the topic.** Definition, tasks and basic principles of the VSMK organization. Definition and measures of medical protection. Medical protective equipment and its use. Standard medical personal protective equipment.

Medical and psychological protection of the population and rescuers and emergencies.

Content and tasks. Traumatic factors of emergencies. Features of the development of mental reactions in the affected, medical personnel and rescuers in emergency situations. Basic methods of psychological protection and rehabilitation of the population and persons involved in their rescue.

### Topic 2.

Preparation of medical and preventive personnel to work in emergency situations

**The content of the topic.**

Measures to increase the stability of the functioning of medical facilities in emergency situations. Measures to prevent and eliminate the consequences of emergencies in health care facilities.

### Topic 3.

Organization of medical evacuation support of the population in emergency situations.

**The content of the topic.** Conditions that determine the system of medical evacuation support. The essence of the system of medical evacuation support.

Basic requirements and concept scheme of medical evacuation support.


Stages of medical evacuation.

Types and volumes of medical care.

### Topic 4.

Medical and sanitary support in the event of liquidation of consequences of emergency situations of a technogenic (anthropogenic) nature.

**The content of the topic.** Features of medical care in the aftermath of chemical accidents technogenic emergencies: summary of chemical accidents; the main activities for the organization

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and provision of medical aid to the affected in the outbreak; the resources attracted for liquidation of consequences of the accident; liquidation of medical-sanitary consequences of transportation accidents during the transport of the chemicalski dangerous goods; organization of first medical, qualified and specialized medical care;

The medical care at liquidation of consequences of radiation accidents: summary of radiation accidents; damaging factors of radiation accidents that shape health lastdamage; characteristics of the medical-sanitary consequences of radiation accidents; the basics of medical support at liquidation of consequences of radiation accidents; the forces and means attracted for liquidation of medical-sanitary consequences of radiation accidents.

The medical care in case of emergencies, transport, road transport, explosive or flammable nature; a brief description of transport and road traffic emergencies; the emergency explosive and flammable nature; the forces and means attracted for liquidation of medical-sanitary consequences;

features of organizing and providing medical care in case of explosions and fires.

Features of medical and sanitary support in case of terrorist acts: brief description of terrorist acts; features of medical and sanitary support in case of terrorist acts.

### **Topic 5.**

Medical and sanitary support in the elimination of consequences of natural emergencies (natural disasters).

**The content of the topic.** The medical care in the aftermath of earthquakes: characteristics of earthquakes; principles of organization of medical support in the aftermath of earthquakes; the forces and means attracted for liquidation of medical-sanitary consequences of earthquakes; principles of organization of medical care in the outbreak of earthquakes.

Features of medical and sanitary provision of the population during the elimination of consequences of natural disasters: characteristics of emergency situations and natural disasters (floods, storms, hurricanes, cyclones, tornadoes, debris flows, snow avalanches, forest and peat fires); basis for the organization of medical support in the aftermath of natural disasters; the forces and means attracted for liquidation of consequences of natural disasters; principles of rendering of medical aid of the flood, in contact with people under the dreamtrade of avalanches in the area affected by the mudflow, at liquidation of medico-sanitary consequences of fires.

### **Topic 6.**

Organization of sanitary and anti-epidemic support in emergency situations.

**The content of the topic.** Fundamentals of organization of sanitary and anti-epidemic provision of the population in emergency situations: tasks, principles and main measures of sanitary and anti-epidemicprovision in emergency situations; organization and tasks of a network of surveillance and laboratory control; organization of sanitary and anti-epidemic measures for the control and protection of food, food raw materials, water and organization of their sanitary expertise in emergency situations.


Characteristics of the epidemic focus and measures to eliminate it. Characteristics and classification of medical property.

### **Topic 7.**

Introduction to toxicology. Basic laws of interaction between the body and chemical substances. Toxic chemicals, their impact on the body.

**The content of the topic.** The concept of poisons, toxic chemicals (highly toxic and toxic substances). Basic principles of classification of poisons and poisonings. Toxicity and the toxic process as the main concepts of toxicology. Determination of toxicity. Quantitative assessment of



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toxicity. The main categories of toxic doses (concentrations) used in toxicology are: maximum permissible, threshold, effective, and lethal. Toxic process. Forms of manifestation of the toxic process in humans. The main types of preferential action of toxic substances (local, reflex, resorptive action) on the body. Types of dose-effect relationships in the presence of toxic chemicals. Acute, subacute and chronic forms of intoxication. Toxic chemicals of irritating action. Toxic chemicals pulmonologicheskoe action. Toxic chemicals of General toxic action. Toxic chemicals of cytotoxic action.

Toxic chemicals of neurotoxic action. Prevention of lesions, provision of medical care in the focus at the stages of medical evacuation.

Poisonous technical liquids. Physico-chemical and toxic properties of methyl alcohol, ethylene glycol, dichloroethane, trichloroethylene, tetraethyl lead, etc. Mechanisms of toxic action and pathogenesis of intoxication. The main manifestations of the toxic process. First aid and principles of treatment.

### **Topic 8.**

Introduction to radiobiology. Fundamentals of the biological action of ionizing radiation. Radiation damage to the body.

**The content of the topic.** Types of ionizing radiation and their properties. Quantitative assessment of ionizing radiation. Fundamentals of dosimetry. Sources of radionuclides in nature and the national economy. Factors that cause human injury in nuclear explosions and radiation accidents. General characteristics of radiation lesions formed during nuclear explosions and radiation accidents. Concept of zones of radioactive contamination. Foci of radiation damage. Physical, physico-chemical, chemical and biological stage in the action of ionizing radiation. Molecular mechanisms of radiation damage of Biosystems. Biological enhancement of radiation damage. The response of cells to irradiation. Forms of radiation cell death. The effect of radiation on tissues, organs and systems of the body. Radiobiological effects. Classification of radiobiological effects. Significance of radiobiological effects for the fate of the irradiated organism. Radiation damage as a result of external General (total) irradiation. General characteristics and classification of radiation lesions as a result of external exposure, depending on the type and conditions of exposure. The main clinical forms of acute radiation sickness with external relatively uniform irradiation: bone marrow intestinal, toxemic, cerebral. Features of radiation damage caused by neutrons.

Damage as a result of internal radioactive contamination. Damage by radioactive substances when they enter the body. Assessment of the damaging effect of radioactive products of nuclear explosions and accidents at nuclear power plants during internal contamination. Kinetics of radionuclides in the body. Radionuclide intake into the body. The fate of radionuclides entering the blood. Elimination of radionuclides from the body. Prevention of damage to the radionuclides. Medical protection and early treatment facilities


### **Topic 9.**

Medical and technical means of prevention, personal protection and assistance in case of chemical and radiation damage.

**The content of the topic.** General principles of treatment and antidote therapy of patients affected by toxic chemicals. The main mechanisms of action of medicines used for acute poisoning. Antidotes. Status and prospects of development of antidote therapy. Tools and methods of prevention of acute radiation injuries. Radioprotectors. Indicators of the protective effectiveness of radioprotectors.

Mechanisms of radioprotective action. Brief description and procedure for using radioprotectors. Means of long-term maintenance of increased radioresistance of the body. Means



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of prevention of the General primary reaction to irradiation. Means of prevention of early transient incapacity. Means of early (pre-hospital) treatment of acute radiation sickness

Classification and General characteristics of technical personal protective equipment.

Defining the concept of special processing and its purpose. Types of special processing. Theoretical bases of degassing and decontamination, means and methods of special treatment.

Partial special processing, the means used to perform it. Complete special processing. Techniques, methods and means of conducting research. Security measures at carrying out of special treatment.

## 6. TOPICS OF PRACTICAL AND SEMINAR CLASSES

### *Classes 1.*

Labor intensity-6 hours.

**Topic: Medical protection of the population and rescuers in emergency situations.**

1. Definition and measures of medical protection.
2. Medical protective equipment and its use. Standard medical personal protective equipment.
3. Medical and psychological protection of the population and rescuers and emergencies. Content and tasks.
4. Traumatic factors of emergencies. Features of the development of mental reactions in the affected, medical personnel and rescuers in emergency situations.
5. Basic methods of psychological protection and rehabilitation of the population and persons involved in their rescue.

### **Lesson 2.**

Labor intensity-6 hours, including 2 hours in interactive form

**Topic: Preparation of medical and preventive personnel to work in emergency situations**

1. Measures to increase the stability of the functioning of medical facilities in emergency situations.
2. Measures to prevent and eliminate the consequences of emergencies in health care facilities.

### **Lesson 3.**

Labor intensity-6 hours, including 2 hours in interactive form

**Topic: Organization of medical evacuation support of the population in emergency situations. Medical evacuation.**


1. Basic concepts of power TRANSMISSION systems.
2. Conditions that determine the system of medical evacuation support. The essence of the system of medical evacuation support.
3. Basic requirements and concept scheme of medical evacuation support.
4. Stages of medical evacuation.
5. Types and volumes of medical care.
6. Features of medical sorting of the affected (sick) in emergency situations.
7. Features of medical evacuation of the affected (sick) in emergency situations.

### **Lesson 4.**

Labor intensity-6 hours, including 1 hour in interactive form

**Subject: Medical and sanitary support in the event of natural disasters.**

1. Medical and sanitary support in the aftermath of earthquakes: characteristics
2. The main measures for elimination, organization of first aid in case of earthquakes.

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3. The medical care in the aftermath of the floods: characteristics, basic emergency response measures, organization of first medical aid.
4. Medical and sanitary support in the aftermath of snow avalanches: characteristics, main measures for elimination, organization of first aid.
5. Medical and sanitary support in the aftermath of storms, hurricanes, tsunamis, etc.

### **Lesson 5.**

Labor intensity-6 hours, including 1 hour in interactive form

**Subject:** Medical and sanitary support during the elimination of consequences of an emergency of a technogenic nature.

1. Medical and sanitary support in the liquidation of the consequences of emergencies – chemical accidents.
2. description of the basic emergency response measures, organization of first medical aid in case of chemical accidents.
3. Medical and sanitary support in the liquidation of the consequences of emergency situations –radiation accidents
4. Description of the basic emergency response measures, organization of first medical aid in case of chemical accidents.
5. Medical and sanitary support in the event of terrorist attacks.

### **Lesson 6.**

Labor intensity-6 hours.

**Topic:** Organization of sanitary and anti-epidemic support in emergency situations.


1. Organization of sanitary and anti-epidemic support in emergency situations.
2. Characteristics, main sanitary measures for elimination, organization of epidemic control in various emergencies of natural and man-made nature.
3. Organization of sanitary-hygienic and anti-epidemic measures among the population in wartime.
4. Characteristics, main sanitary measures for elimination, organization of epidemic control in wartime

### **Lesson 7.**

Labor intensity-6 hours.

**Topic:** Basic laws of interaction between the body and chemical substances. Toxic substances with different mechanisms of action.

1. The concept of poisons, toxic chemicals (highly toxic and toxic substances).
2. Basic principles of classification of poisons and poisonings.
3. Toxicity and the toxic process as the main concepts of toxicology. Determination of toxicity.
4. Quantitative assessment of toxicity. The main categories of toxic doses (concentrations) used in toxicology: maximum permissible, threshold, effective lethal.
5. Toxic process. Forms of manifestation of the toxic process in humans. The main types of preferential action of toxic substances (local, reflex, resorptive action) on the body.
6. Types of dose-effect relationships in the presence of toxic chemicals. Acute, subacute and chronic forms of intoxication. Toxic chemicals of irritating action.
7. Toxic chemicals pulmonologicheskoe action.
8. Toxic chemicals of General toxic action.
9. Toxic chemicals of cytotoxic action.

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10. Toxic chemicals of neurotoxic action.
11. Poisonous technical liquids. Physico-chemical and toxic properties of methyl alcohol, ethylene glycol, dichloroethane, trichloroethylene, tetraethyl lead, etc. Mechanisms of toxic action and pathogenesis of intoxication. The main manifestations of the toxic process. First aid and principles of treatment.

### **Lesson 8.**

#### Labor intensity-6 hours.

**Subject:** Fundamentals of the biological action of ionizing radiation.


1. Types of ionizing radiation and their properties.
2. Quantitative assessment of ionizing radiation.
3. Fundamentals of dosimetry. Sources of radionuclides in nature and the national economy.
4. Factors that cause human injury in nuclear explosions and radiation accidents.
5. General characteristics of radiation lesions formed during nuclear explosions and radiation accidents.
6. Concept of zones of radioactive contamination. Foci of radiation damage. Physical, physico-chemical, chemical and biological stage in the action of ionizing radiation.
7. Molecular mechanisms of radiation damage of Biosystems. Biological enhancement of radiation damage.
8. The response of cells to irradiation. Forms of radiation cell death. The effect of radiation on tissues, organs and systems of the body.
9. Radiobiological effects. Classification of radiobiological effects. Significance of radiobiological effects for the fate of the irradiated organism.
10. Radiation damage as a result of external General (total) irradiation. General characteristics and classification of radiation lesions as a result of external exposure, depending on the type and conditions of exposure.
11. The main clinical forms of acute radiation sickness with external relatively uniform irradiation.
12. Damage as a result of internal radioactive contamination.
13. Damage by radioactive substances when they enter the body. Medical protection and early treatment facilities

### **Lesson 9.**

#### Labor intensity-6 hours.

**Topic:** Medical and technical means of prevention, personal protection and assistance in case of chemical and radiation damage.

1. General principles of treatment and antidote therapy of patients affected by toxic chemicals.
2. The main mechanisms of action of medicines used for acute poisoning.
3. Antidotes. Status and prospects of development of antidote therapy. Tools and methods of prevention of acute radiation injuries.
4. Radioprotectors. Indicators of the protective effectiveness of radioprotectors. Mechanisms of radioprotective action. Brief description and procedure for using radioprotectors.
5. Means of long-term maintenance of increased radioresistance of the body.
6. Means of prevention of the General primary reaction to irradiation. Means of prevention of early transient incapacity.
7. Means of early (pre-hospital) treatment of acute radiation sickness

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8. Personal protective equipment for respiratory organs, skin protection, and eye protection.
9. Rules and procedure for using personal respiratory protection equipment.
10. Use of respiratory protection equipment to protect the affected. Medical support of work in isolation gas masks. Rules and procedure for using skin protection products.
11. Medical control when carrying out work in protective clothing of the isolating type. Operational and physiological-hygienic characteristics and rules for using protective glasses.
12. Defining the concept of special processing and its purpose. Types of special processing. Theoretical bases of degassing and decontamination, means and methods of special treatment.
13. Partial special processing, the means used to perform it. Complete special processing. Techniques, methods and means of conducting research. Security measures at carrying out of special treatment.

## **7. LABORATORY WORK, WORKSHOPS**


*Not included in the curriculum*

## **8. TOPICS OF COURSEWORK, TESTS, AND RESEARCH PAPERS**

*Coursework and tests are not provided for in the curriculum.*

### **Topic of abstracts:**


1. Medical protection of the population and rescuers in emergency situations.
2. Preparing a medical and preventive institution to work in emergency situations.
3. Organization of medical evacuation support of the population in emergency situations.
4. Medical and sanitary support in the event of liquidation of consequences of emergency situations of a technogenic (anthropogenic) nature.
5. Medical and sanitary support in the elimination of consequences of natural emergencies (natural disasters).
6. Organization of sanitary and anti-epidemic support in emergency situations.
7. Medical supply of formations and institutions intended for medical and sanitary provision of the population in emergency situations.
8. Medical service of the Armed Forces of the Russian Federation in emergency situations.
9. The medical service of civil defense.
10. Organization of population protection in wartime.
11. Medical support of the population when carrying out activities of civil defense.
12. Organization of medical and evacuation support of the population during the elimination of the consequences of an enemy attack.
13. The work of MSGO formations in conducting rescue operations in the centers of damage.
14. Organization of the provision of qualified and specialized medical care to the population in wartime.
15. Organization of sanitary-hygienic and anti-epidemic measures among the population in wartime.
16. Toxic chemicals of irritating action.
17. Toxic chemicals pulmonologicheskoe action.
18. Toxic chemicals of General toxic action.
19. Toxic chemicals of cytotoxic action.
20. Toxic chemicals of neurotoxic action.

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21. Toxic technical liquids
22. Fundamentals of the biological action of ionizing radiation
23. Radiation damage as a result of external General (total) irradiation.
24. Damage as a result of internal radioactive contamination.
25. Local radiation lesions.
26. Medical means of prevention and assistance in case of chemical and radiation damage.
27. Technical personal protective equipment.
28. The tools and techniques of chemical reconnaissance and control.
29. Tools and methods of radiation exploration and control.
30. Tools and methods of special processing.
31. Measures of the medical service in the centers of chemical and radiation damage.
32. The nature of modern wars and armed conflicts.
33. Modern means of armed struggle.

## 9. LIST OF QUESTIONS FOR THE EXAM

1. Definition, tasks and basic principles of the VSMK organization. Definition and measures of medical protection.
2. Medical protective equipment and its use. Standard medical personal protective equipment.
3. Medical and psychological protection of the population and rescuers and emergencies. Traumatic factors of emergencies. Features of the development of mental reactions in the affected, medical personnel and rescuers in emergency situations.
4. Preparation of medical and preventive personnel to work in emergency situations
5. Measures to increase the stability of the functioning of medical facilities in emergency situations.
6. Organization of medical evacuation support of the population in emergency situations. General principle.
7. Basic requirements and concept scheme of medical evacuation support.
8. Stages of medical evacuation.
9. Types and volumes of medical care.
10. Medical and sanitary support in the event of liquidation of consequences of emergency situations of a technogenic (anthropogenic) nature. General characteristic.
11. Features of medical and sanitary support in the elimination of the consequences of chemical accidents of man-made emergencies. Organization of the first medical, qualified and specialized medical care.
12. Medical and sanitary support in the elimination of consequences of radiation accidents. Fundamentals of medical support in the elimination of consequences of radiation accidents.
13. Medical and sanitary support in emergency situations of transport, explosive and fire-hazardous nature: features of the organization and provision of medical care in cases of explosions and fires.
14. Features of medical and sanitary support in case of terrorist acts: brief description of terrorist acts; features of medical and sanitary support in case of terrorist acts.
15. Medical and sanitary support in the elimination of consequences of natural emergencies (natural disasters). General characteristic.
16. Medical and sanitary support in the aftermath of earthquakes: characteristics of earthquakes. Fundamentals of organization of medical care in the earthquake zone.


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17. Features of medical and sanitary support of the population in the aftermath of natural disasters: principles of providing medical assistance in case of flooding, when people fall under-snow avalanches, in the area affected by mudslides, in the elimination of medical and sanitary consequences of fires.
18. Organization of sanitary and anti-epidemic support in emergency situations. Basic principles.
19. Characteristics of the epidemic focus and measures to eliminate it.
20. Basic laws of interaction between the body and chemical substances. Toxic chemicals, their impact on the body.
21. Toxic chemicals pulmonologicheskoe action.
22. Toxic chemicals of General toxic action.
23. Toxic chemicals of cytotoxic action.
24. Toxic chemicals of neurotoxic action.
25. Prevention of lesions, provision of medical care in the focus at the stages of medical evacuation.
26. Poisonous technical liquids. The main manifestations of the toxic process. First aid and principles of treatment.
27. General characteristics of radiation lesions formed during nuclear explosions and radiation accidents.
28. The effect of radiation on tissues, organs and systems of the body. Radiobiological effects. Classification of radiobiological effects.
29. Radiation damage as a result of external General (total) irradiation.
30. The main clinical forms of acute radiation sickness with external relatively uniform irradiation.
31. Damage as a result of internal radioactive contamination.
32. Damage by radioactive substances when they enter the body.
33. General principles of treatment and antidote therapy of patients affected by toxic chemicals.
34. Radioprotectors. Indicators of the protective effectiveness of radioprotectors.
35. Means of prevention of early transient incapacity. Early (pre-hospital) treatment of acute radiation sickness.
36. Classification and General characteristics of technical personal protective equipment.
37. Defining the concept of special processing and its purpose. Types of special processing.

## 10. SELF-STUDY WORK OF STUDENTS


Full-time training

Names of sections and topics	Type of self-study work	Volume in hours	form of control
Medical protection of the population and rescuers in emergency situations. Fundamentals of the all-Russian disaster medicine service. Fundamentals of civil defense.	study of the educational material abstract, preparation for passing the exam	4	Checking the completeness of the training material on the topic, the correctness of answers to test tasks on the topic, checking the abstracts


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Preparation of medical and preventive personnel for work in emergency situations	study of educational material, abstract, preparation for the exam	4	Checking the completeness of educational material on the topic, correctness of answers to test tasks on the topic, checking of abstracts
Organization of medical evacuation support for the population in emergency situations.	study of educational material, abstract, preparation for the exam	4	Checking the completeness of the training material on the topic, the correctness of answers to test tasks on the topic, checking the abstracts
Medical and sanitary support in the event of liquidation of consequences of emergency situations of a technogenic (anthropogenic) nature.	study of educational material, abstract, preparation for the exam	4	Checking the completeness of the training material on the topic, the correctness of answers to test tasks on the topic, checking the abstracts
Medical and sanitary support in the elimination of consequences of natural emergencies (natural disasters).	study of educational material, abstract, preparation for the exam	4	Checking the completeness of educational material on the topic, the correctness of answers to test tasks on the topic, checking essays
Organization of sanitary and anti-epidemic support in emergencies and in wartime	working out of educational material, abstract, preparation for the exam	4	Checking the completeness of the training material on the topic, the correctness of answers to test tasks on the topic, checking the abstracts



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Introduction to toxicology. Basic laws of interaction between the body and chemical substances. Toxic chemicals and their impact on the body.	study of educational material, abstract, preparation for the exam	4	Checking the completeness of the training material on the topic, the correctness of answers to test tasks on the topic, checking the abstracts
Introduction to radiobiology. Fundamentals of the biological action of ionizing radiation. Radiation damage to the body.	study of educational material, abstract, preparation for the exam	4	Checking the completeness of the educational material on the topic, the correctness of answers to test tasks on the topic, checking the abstracts
of Medical and technical means of prevention, personal protection and assistance in chemical and radiation damage.	study of educational material, abstract, preparation for the exam	4	Checking the completeness of the training material on the topic, the correctness of answers to test tasks on the topic, checking the abstracts

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## 11. EDUCATIONAL, METHODOLOGICAL AND INFORMATIONAL SUPPORT OF THE DISCIPLINE

а) Список рекомендуемой литературы:

**основная:**

1. Колесниченко, П. Л. Медицина катастроф : учебник / П. Л. Колесниченко [и др.]. - Москва : ГЭОТАР-Медиа, 2017. - 448 с. - ISBN 978-5-9704-4000-1. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970440001.html>
2. Колесниченко, П. Л. Безопасность жизнедеятельности : учебник / П. Л. Колесниченко - Москва : ГЭОТАР-Медиа, 2017. - 544 с. - ISBN 978-5-9704-4041-4. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970440414.html>

**дополнительная:**

1. Levchuk, I. P. First Aid in Case of Accidents and Emergency Situations : Preparation Questions for a Modular Assessment / Levchuk I. P. , Kostyuchenko M. V. - Москва : ГЭОТАР-Медиа, 2015. - 32 с. - ISBN 978-5-9704-3450-5. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970434505.html>
2. Levchuk, I. P. Life Safety in Medicine / Levchuk I. P. - Москва : ГЭОТАР-Медиа, 2018. - 112 с. - ISBN 978-5-9704-4607-2. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970446072.html>
3. Левчук, И. П. Медицина катастроф. Курс лекций : учебное пособие / Левчук И. П. , Третьяков Н. В. - Москва : ГЭОТАР-Медиа, 2015. - 240 с. - ISBN 978-5-9704-3347-8. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970433478.html>
4. Рогозина, И. В. Медицина катастроф / И. В. Рогозина - Москва : ГЭОТАР-Медиа, 2014. - 152 с. - ISBN 978-5-9704-2936-5. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970429365.html>
5. Организация скорой и неотложной медицинской помощи населению : учеб.-метод. пособие для студентов, врачей-интернов, клин. ординаторов и врачей скорой и неотлож. помощи / В. И. Горбунов, Г. В. Возженникова, Ю. И. Артеменко, С. В. Камардин ; УлГУ. - Ульяновск : УлГУ, 2003. - 48 с.


**учебно-методическая:**

Белый Л. Е.

Методические указания для организации самостоятельной работы студентов по дисциплине «Медицина катастроф» для специальностей 31.05.01 – Лечебное дело, 31.05.02 – Педиатрия, 31.05.01 – Лечебное дело (с освоением части программы на английском языке) / Л. Е. Белый; УлГУ, ИМЭиФК. - Ульяновск : УлГУ, 2019. - Загл. с экрана; Неопубликованный ресурс. - Электрон. текстовые дан. (1 файл : 658 КБ). - Текст : электронный. - <http://lib.ulsu.ru/MegaPro/Download/MObject/8893>

Согласовано:

*И. Субботина* / *И. Субботина* / *И. Субботина*  
 Должность сотрудника научной библиотеки      ФИО      подпись      дата

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## 1. Электронно-библиотечные системы:

1.1. IPRbooks : электронно-библиотечная система : сайт / группа компаний Ай Пи Ар Медиа. - Саратов, [2021]. – URL: <http://www.iprbookshop.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.2. ЮРАЙТ : электронно-библиотечная система : сайт / ООО Электронное издательство ЮРАЙТ. – Москва, [2021]. - URL: <https://urait.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.3. Консультант студента : электронно-библиотечная система : сайт / ООО Политехресурс. – Москва, [2021]. – URL: <https://www.studentlibrary.ru/cgi-bin/mb4x>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.4. Консультант врача : электронно-библиотечная система : сайт / ООО Высшая школа организации и управления здравоохранением-Комплексный медицинский консалтинг. – Москва, [2021]. – URL: <https://www.rosmedlib.ru>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.5. Большая медицинская библиотека : электронно-библиотечная система : сайт / ООО Букап. – Томск, [2021]. – URL: <https://www.books-up.ru/ru/library/>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.6. Лань : электронно-библиотечная система : сайт / ООО ЭБС Лань. – Санкт-Петербург, [2021]. – URL: <https://e.lanbook.com>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.7. **Znanium.com** : электронно-библиотечная система : сайт / ООО Знаниум. - Москва, [2021]. - URL: <http://znanium.com> . – Режим доступа : для зарегистрир. пользователей. - Текст : электронный.

1.8. Clinical Collection : коллекция для медицинских университетов, клиник, медицинских библиотек // EBSCOhost : [портал]. – URL: <http://web.b.ebscohost.com/ehost/search/advanced?vid=1&sid=9f57a3e1-1191-414b-8763-e97828f9f7e1%40sessionmgr102> . – Режим доступа : для авториз. пользователей. – Текст : электронный.

1.9. Русский язык как иностранный : электронно-образовательный ресурс для иностранных студентов : сайт / ООО Компания «Ай Пи Ар Медиа». – Саратов, [2021]. – URL: <https://ros-edu.ru>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

**2. КонсультантПлюс** [Электронный ресурс]: справочная правовая система. /ООО «Консультант Плюс» - Электрон. дан. - Москва : КонсультантПлюс, [2021].


## 3. Базы данных периодических изданий:

3.1. База данных периодических изданий : электронные журналы / ООО ИВИС. - Москва, [2021]. – URL: <https://dlib.eastview.com/browse/udb/12>. – Режим доступа : для авториз. пользователей. – Текст : электронный.

3.2. eLIBRARY.RU: научная электронная библиотека : сайт / ООО Научная Электронная Библиотека. – Москва, [2021]. – URL: <http://elibrary.ru>. – Режим доступа : для авториз. пользователей. – Текст : электронный

3.3. «Grebennikon» : электронная библиотека / ИД Гребенников. – Москва, [2021]. – URL: <https://id2.action-media.ru/Personal/Products>. – Режим доступа : для авториз. пользователей. – Текст : электронный.

**4. Национальная электронная библиотека** : электронная библиотека : федеральная государственная информационная система : сайт / Министерство культуры РФ ; РГБ. – Москва, [2021]. – URL: <https://нэб.рф>. – Режим доступа : для пользователей

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научной библиотеки. – Текст : электронный.

5. **SMART Imagebase** // EBSCOhost : [портал]. – URL: <https://ebSCO.smartimagebase.com/?TOKEN=EBSCO-1a2ff8c55aa76d8229047223a7d6dc9c&custid=s6895741>. – Режим доступа : для авториз. пользователей. – Изображение : электронные.

**6. Федеральные информационно-образовательные порталы:**

6.1. **Единое окно доступа к образовательным ресурсам** : федеральный портал / учредитель ФГАОУ ДПО ЦРГОП и ИТ. – URL: <http://window.edu.ru/> . – Текст : электронный.

6.2. **Российское образование** : федеральный портал / учредитель ФГАОУ ДПО ЦРГОП и ИТ. – URL: <http://www.edu.ru>. – Текст : электронный.

**7. Образовательные ресурсы УлГУ:**


7.1. Электронная библиотека УлГУ : модуль АБИС Мега-ПРО / ООО «Дата Экспресс». – URL: <http://lib.ulsu.ru/MegaPro/Web>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.

Замнач УИТ / Ключевое ОЗ / 18.08  
 Должность сотрудника УИТ / ФИО / подпись / дата

**12. MATERIAL AND TECHNICAL SUPPORT OF THE DISCIPLINE:**

Auditoriums for lectures, seminars, the reception Department and operating block of a multidisciplinary hospital for studying the preparation of medical personnel for work in emergency situations, a collective shelter.

The classrooms are equipped with specialized furniture and a blackboard. Lecture halls are equipped with multimedia equipment to provide information to a large audience. Rooms for independent work are equipped with computer equipment with the ability to connect to the Internet and provide access to the electronic information and educational environment, electronic library system. Hardware and devices: individual first-aid kits, filter gas masks with filter elements, isolation gas masks, dosimetric equipment.

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### 13. SPECIAL CONDITIONS FOR STUDENTS WITH DISABILITIES


If necessary, students with disabilities (at the request of the student) can be offered one of the following options for information perception, taking into account their individual psychophysical characteristics:

– for visually impaired persons: printed in enlarged type; in the form of an electronic document; in the form of an audio file (translation of educational materials into audio format); in printed form in Braille; individual consultations with a typhlosurd interpreter; individual tasks and consultations;



– for people with hearing disabilities: in printed form; in the form of an electronic document; video materials with subtitles; individual consultations with a sign language interpreter; individual tasks and consultations;

– for people with musculoskeletal disorders: in printed form; in the form of an electronic document; in the form of an audio file; individual tasks and consultations.


Creator  Belyy Lev E., professor, MD

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**LIST OF CHANGES  
to the work program "Disaster medicine»  
specialty 31.05.01 General Medicine**

<b>№ ite m nu mb er</b>	<b>Content of the change or a link to the attached text of the change</b>	<b>of the full name of the head of the Departmentimple menting the discipline</b>	<b>Signature</b>	<b>Date</b>
1	Introduction of changes to the item C) Professional databases, information and reference systems item 11 "Educational, methodological and informational support of the discipline" with the design of Appendix 1	Midlenko V. I.		31.08. 2022
2	Introduction of changes to item A) Recommended Literature item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 2	Midlenko V. I.		31.08. 2022



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## Appendix 1

### 11. EDUCATIONAL, METHODOLOGICAL AND INFORMATIONAL SUPPORT OF THE DISCIPLINE

#### C) Professional databases, information and reference systems

##### 1. Электронно-библиотечные системы:

1.1. Цифровой образовательный ресурс IPRsmart : электронно-библиотечная система : сайт / ООО Компания «Ай Пи Ар Медиа». - Саратов, [2022]. – URL: <http://www.iprbookshop.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.2. Образовательная платформа ЮРАЙТ : образовательный ресурс, электронная библиотека : сайт / ООО Электронное издательство ЮРАЙТ. – Москва, [2022]. - URL: <https://urait.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.3. База данных «Электронная библиотека технического ВУЗа (ЭБС «Консультант студента») : электронно-библиотечная система : сайт / ООО Политехресурс. – Москва, [2022]. – URL: <https://www.studentlibrary.ru/cgi-bin/mb4x>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.4. Консультант врача. Электронная медицинская библиотека : база данных : сайт / ООО Высшая школа организации и управления здравоохранением-Комплексный медицинский консалтинг. – Москва, [2022]. – URL: <https://www.rosmedlib.ru>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.5. Большая медицинская библиотека : электронно-библиотечная система : сайт / ООО Букап. – Томск, [2022]. – URL: <https://www.books-up.ru/ru/library/>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.6. ЭБС Лань : электронно-библиотечная система : сайт / ООО ЭБС Лань. – Санкт-Петербург, [2022]. – URL: <https://e.lanbook.com>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.7. ЭБС Znanium.com : электронно-библиотечная система : сайт / ООО Знаниум. - Москва, [2022]. - URL: <http://znanium.com>. – Режим доступа : для зарегистрир. пользователей. - Текст : электронный.

1.8. Clinical Collection : научно-информационная база данных EBSCO // EBSCOhost : [портал]. – URL: <http://web.b.ebscohost.com/ehost/search/advanced?vid=1&sid=9f57a3e1-1191-414b-8763-e97828f9f7e1%40sessionmgr102>. – Режим доступа : для авториз. пользователей. – Текст : электронный.

1.9. База данных «Русский как иностранный» : электронно-образовательный ресурс для иностранных студентов : сайт / ООО Компания «Ай Пи Ар Медиа». – Саратов, [2022]. – URL: <https://ros-edu.ru>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

**2. КонсультантПлюс** [Электронный ресурс]: справочная правовая система. /ООО «Консультант Плюс» - Электрон. дан. - Москва : КонсультантПлюс, [2022].


##### 3. Базы данных периодических изданий:

3.1. База данных периодических изданий EastView : электронные журналы / ООО ИВИС. - Москва, [2022]. – URL: <https://dlib.eastview.com/browse/udb/12>. – Режим доступа : для авториз. пользователей. – Текст : электронный.

3.2. eLIBRARY.RU: научная электронная библиотека : сайт / ООО Научная Электронная Библиотека. – Москва, [2022]. – URL: <http://elibrary.ru>. – Режим доступа : для авториз. пользователей. – Текст : электронный

3.3. Электронная библиотека «Издательского дома «Гребенников» (Grebinnikon) :



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электронная библиотека / ООО ИД Гребенников. – Москва, [2022]. – URL: <https://id2.action-media.ru/Personal/Products>. – Режим доступа : для авториз. пользователей. – Текст : электронный.

4. **Федеральная государственная информационная система «Национальная электронная библиотека»** : электронная библиотека : сайт / ФГБУ РГБ. – Москва, [2022]. – URL: <https://нэб.рф>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.

5. **SMART Imagebase** : научно-информационная база данных EBSCO // EBSCOhost : [портал]. – URL: <https://ebSCO.smartimagebase.com/?TOKEN=EBSCO-1a2ff8c55aa76d8229047223a7d6dc9c&custid=s6895741>. – Режим доступа : для авториз. пользователей. – Изображение : электронные.

**6. Федеральные информационно-образовательные порталы:**

6.1. **Единое окно доступа к образовательным ресурсам** : федеральный портал . – URL: <http://window.edu.ru/> . – Текст : электронный.

6.2. **Российское образование** : федеральный портал / учредитель ФГАУ «ФИЦТО». – URL: <http://www.edu.ru>. – Текст : электронный.

**7. Образовательные ресурсы УлГУ:**

7.1. Электронная библиотечная система УлГУ : модуль «Электронная библиотека» АБИС Мега-ПРО / ООО «Дата Экспресс». – URL: <http://lib.ulsu.ru/MegaPro/Web>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.


Согласовано:

*Э.М. Кар*  
Должность сотрудника УИТИТ

*И. Ключов*  
ФИО

*[Подпись]*  
подпись

19.04.22  
дата

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## Appendix 2

### 11. EDUCATIONAL-METHODICAL AND INFORMATION SUPPORT OF DISCIPLINE

#### a) List of recommended literature

##### Core reading:

1. Левчук, И. П. Disaster Medicine = Медицина катастроф: учебник на английском и русском языках / И. П. Левчук, А. П. Назаров, Ю. А. Назарова. - Москва: ГЭОТАР-Медиа, 2021. - 240 с. - ISBN 978-5-9704-6074-0. - Текст: электронный // ЭБС "Консультант студента": [сайт]. - URL: <https://www.studentlibrary.ru/book/ISBN9785970460740.html>
2. Levchuk, I. P. Life Safety in Medicine: textbook / I. P. Levchuk, A. P. Nazarov, M. V. Kostyuchenko. - Moscow: GEOTAR-Media, 2021. - 112 p. - 112 с. - ISBN 978-5-9704-5998-0. - Текст: электронный // ЭБС "Консультант студента": [сайт]. - URL: <https://www.studentlibrary.ru/book/ISBN9785970459980.html>

##### Supplementary reading:

1. Garkavi, A. V. Disaster medicine / Garkavi A. V., Kavalersky G. M. - Москва: ГЭОТАР-Медиа, 2019. - 304 с. - ISBN 978-5-9704-5258-5. - Текст: электронный // ЭБС "Консультант студента": [сайт]. - URL: <https://www.studentlibrary.ru/book/ISBN9785970452585.html>
2. Levchuk, I. P. First Aid in Case of Accidents and Emergency Situations: course book / I. P. Levchuk, M. V. Kostyuchenko, A. P. Nazarov - Москва: ГЭОТАР-Медиа, 2017. - 120 с. - ISBN 978-5-9704-4230-2. - Текст: электронный // ЭБС "Консультант студента": [сайт]. - URL: <https://www.studentlibrary.ru/book/ISBN9785970442302.html>
3. Мамурбаев А. А. Foundations of occupational medicine / А. А. Мамурбаев. - Актобе: ЗКМУ, 2017. - 479 с. - Текст : электронный // ЭБС "Букап" : [сайт]. - URL: <https://www.books-up.ru/ru/book/foundations-of-occupational-medicine-10947813/>

#### b) Educational and methodical literature

Belyi L.E. Methodical guidelines for self-study work of students in the discipline «Disaster Medicine» for specialty 31.05.01 «General medicine» / L. E. Belyi; Ulyanovsk State University, The Institute of Medicine, Ecology and Physical Culture. - Ulyanovsk : ULSU, 2022. - Неопубликованный ресурс; На англ. яз. - URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/11548>. - Режим доступа: ЭБС УлГУ. - Текст : электронный.

AGREED:


*Main Librarian Stokolnikova Olga 11.05.2022*

The position of the worker scientific library



Full name


signature

data

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**LIST OF CHANGES**  
to the work program "Disaster medicine»  
specialty 31.05.01 General Medicine

<b>№ ite m nu mb er</b>	<b>Content of the change or a link to the attached text of the change</b>	<b>of the full name of the head of the Departmentimple menting the discipline</b>	<b>Signature</b>	<b>Date</b>
1	Introduction of changes to the item C) Professional databases, information and reference systems item 11 "Educational, methodological and informational support of the discipline" with the design of Appendix 1	Midlenko V. I.		30.08. 2023
2	Introduction of changes to item A) Recommended Literature item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 2	Midlenko V. I.		30.08. 2023

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## Appendix 1

### Профессиональные базы данных, информационно-справочные системы

#### 1. Электронно-библиотечные системы:

1.1. Цифровой образовательный ресурс IPRsmart : электронно-библиотечная система : сайт / ООО Компания «Ай Пи Ар Медиа». - Саратов, [2023]. – URL: <http://www.iprbookshop.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.2. Образовательная платформа ЮРАЙТ : образовательный ресурс, электронная библиотека : сайт / ООО Электронное издательство «ЮРАЙТ». – Москва, [2023]. - URL: <https://urait.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.3. База данных «Электронная библиотека технического ВУЗа (ЭБС «Консультант студента») : электронно-библиотечная система : сайт / ООО «Политехресурс». – Москва, [2023]. – URL: <https://www.studentlibrary.ru/cgi-bin/mb4x>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.4. Консультант врача. Электронная медицинская библиотека : база данных : сайт / ООО «Высшая школа организации и управления здравоохранением-Комплексный медицинский консалтинг». – Москва, [2023]. – URL: <https://www.rosmedlib.ru>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.5. Большая медицинская библиотека : электронно-библиотечная система : сайт / ООО «Букар». – Томск, [2023]. – URL: <https://www.books-up.ru/ru/library/>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.6. ЭБС Лань : электронно-библиотечная система : сайт / ООО ЭБС «Лань». – Санкт-Петербург, [2023]. – URL: <https://e.lanbook.com>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.7. ЭБС Znanium.com : электронно-библиотечная система : сайт / ООО «Знаниум». - Москва, [2023]. - URL: <http://znanium.com>. – Режим доступа : для зарегистрир. пользователей. - Текст : электронный.

**2. КонсультантПлюс** [Электронный ресурс]: справочная правовая система. / ООО «Консультант Плюс» - Электрон. дан. - Москва : КонсультантПлюс, [2023].

#### 3. Базы данных периодических изданий:

3.1. eLIBRARY.RU: научная электронная библиотека : сайт / ООО «Научная Электронная Библиотека». – Москва, [2023]. – URL: <http://elibrary.ru>. – Режим доступа : для авториз. пользователей. – Текст : электронный

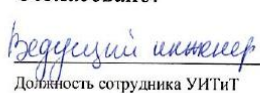

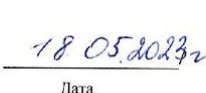
3.2. Электронная библиотека «Издательского дома «Гребенников» (Grebinnikon) : электронная библиотека / ООО ИД «Гребенников». – Москва, [2023]. – URL: <https://id2.action-media.ru/Personal/Products>. – Режим доступа : для авториз. пользователей. – Текст : электронный.

**4. Федеральная государственная информационная система «Национальная электронная библиотека»** : электронная библиотека : сайт / ФГБУ РГБ. – Москва, [2023]. – URL: <https://нэб.рф>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.

**5. Российское образование** : федеральный портал / учредитель ФГАУ «ФИЦТО». – URL: <http://www.edu.ru>. – Текст : электронный.

**6. Электронная библиотечная система УлГУ** : модуль «Электронная библиотека» АБИС Мега-ПРО / ООО «Дата Экспресс». – URL: <http://lib.ulsu.ru/MegaPro/Web>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.

Согласовано:


Должность сотрудника УИТнТ

ФИО

Подпись

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## Appendix 2

а) Список рекомендуемой литературы:

### основная:

1. Колесниченко, П. Л. Медицина катастроф : учебник / П. Л. Колесниченко [и др.]. - Москва : ГЭОТАР-Медиа, 2017. - 448 с. - ISBN 978-5-9704-4000-1. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970440001.html>
2. Колесниченко, П. Л. Безопасность жизнедеятельности : учебник / П. Л. Колесниченко - Москва : ГЭОТАР-Медиа, 2017. - 544 с. - ISBN 978-5-9704-4041-4. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970440414.html>

### дополнительная:


1. Levchuk, I. P. First Aid in Case of Accidents and Emergency Situations : Preparation Questions for a Modular Assessment / Levchuk I. P. , Kostyuchenko M. V. - Москва : ГЭОТАР-Медиа, 2015. - 32 с. - ISBN 978-5-9704-3450-5. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970434505.html>
2. Levchuk, I. P. Life Safety in Medicine / Levchuk I. P. - Москва : ГЭОТАР-Медиа, 2018. - 112 с. - ISBN 978-5-9704-4607-2. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970446072.html>
3. Левчук, И. П. Медицина катастроф. Курс лекций : учебное пособие / Левчук И. П. , Третьяков Н. В. - Москва : ГЭОТАР-Медиа, 2015. - 240 с. - ISBN 978-5-9704-3347-8. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970433478.html>
4. Рогозина, И. В. Медицина катастроф / И. В. Рогозина - Москва : ГЭОТАР-Медиа, 2014. - 152 с. - ISBN 978-5-9704-2936-5. - Текст : электронный // ЭБС "Консультант студента" : [сайт]. - URL : <https://www.studentlibrary.ru/book/ISBN9785970429365.html>
5. Организация скорой и неотложной медицинской помощи населению : учеб.-метод. пособие для студентов, врачей-интернов, клин. ординаторов и врачей скорой и неотлож. помощи / В. И. Горбунов, Г. В. Возженникова, Ю. И. Артеменко, С. В. Камардин : УлГУ. - Ульяновск : УлГУ, 2003. - 48 с.

### учебно-методическая:



Белый Л. Е.  
Методические указания для организации самостоятельной работы студентов по дисциплине «Медицина катастроф» для специальностей 31.05.01 – Лечебное дело, 31.05.02 – Педиатрия, 31.05.01 – Лечебное дело (с освоением части программы на английском языке) / Л. Е. Белый; УлГУ, ИМЭиФК. - Ульяновск : УлГУ, 2019. - Загл. с экрана; Неопубликованный ресурс. - Электрон. текстовые дан. (1 файл : 658 КБ). - Текст : электронный. - <http://lib.ulsu.ru/MegaPro/Download/MObject/8893>


Согласовано:

*И. В. Бибикова* / *Стаж 23.08.2023*  
Должность, сотрудника научной библиотеки ФИО подпись дата

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**LIST OF CHANGES**  
to the work program "Disaster medicine»  
specialty 31.05.01 General Medicine

<b>№ ite m nu mb er</b>	<b>Content of the change or a link to the attached text of the change</b>	<b>of the full name of the head of the Departmentimple menting the discipline</b>	<b>Signature</b>	<b>Date</b>
1	Introduction of changes to the item C) Professional databases, information and reference systems item 11 "Educational, methodological and informational support of the discipline" with the design of Appendix 1	Midlenko V. I.		16.05. 2024
2	Introduction of changes to item A) Recommended Literature item 11 "Educational, methodological and information support of the discipline" with the design of Appendix 2	Midlenko V. I.		16.05. 2024

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## Appendix 1

### *Профессиональные базы данных, информационно-справочные системы*

#### **1. Электронно-библиотечные системы:**

1.1. Цифровой образовательный ресурс IPRsmart : электронно-библиотечная система : сайт / ООО Компания «Ай Пи Ар Медиа». - Саратов, [2024]. – URL: <http://www.iprbookshop.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.2. Образовательная платформа ЮРАЙТ : образовательный ресурс, электронная библиотека : сайт / ООО Электронное издательство «ЮРАЙТ». – Москва, [2024]. - URL: <https://urait.ru>. – Режим доступа: для зарегистрир. пользователей. - Текст : электронный.

1.3. База данных «Электронная библиотека технического ВУЗа (ЭБС «Консультант студента») : электронно-библиотечная система : сайт / ООО «Политехресурс». – Москва, [2024]. – URL: <https://www.studentlibrary.ru/cgi-bin/mb4x>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.4. Консультант врача. Электронная медицинская библиотека : база данных : сайт / ООО «Высшая школа организации и управления здравоохранением-Комплексный медицинский консалтинг». – Москва, [2024]. – URL: <https://www.rosmedlib.ru>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.5. Большая медицинская библиотека : электронно-библиотечная система : сайт / ООО «Букап». – Томск, [2024]. – URL: <https://www.books-up.ru/ru/library/>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.6. ЭБС Лань : электронно-библиотечная система : сайт / ООО ЭБС «Лань». – Санкт-Петербург, [2024]. – URL: <https://e.lanbook.com>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.7. ЭБС Znanium.com : электронно-библиотечная система : сайт / ООО «Знаниум». - Москва, [2024]. - URL: <http://znanium.com>. – Режим доступа : для зарегистрир. пользователей. - Текст : электронный.

**2. КонсультантПлюс** [Электронный ресурс]: справочная правовая система. / ООО «Консультант Плюс» - Электрон. дан. - Москва : КонсультантПлюс, [2024].

**3. eLIBRARY.RU**: научная электронная библиотека : сайт / ООО «Научная Электронная Библиотека». – Москва, [2024]. – URL: <http://elibrary.ru>. – Режим доступа : для авториз. пользователей. – Текст : электронный

**4. Федеральная государственная информационная система «Национальная электронная библиотека»** : электронная библиотека : сайт / ФГБУ РГБ. – Москва, [2024]. – URL: <https://нэб.рф>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.

**5. Российское образование** : федеральный портал / учредитель ФГАУ «ФИЦТО». – URL: <http://www.edu.ru>. – Текст : электронный.


**6. Электронная библиотечная система УлГУ** : модуль «Электронная библиотека» АБИС Мега-ПРО / ООО «Дата Экспресс». – URL: <http://lib.ulsu.ru/MegaPro/Web>. – Режим доступа : для пользователей научной библиотеки. – Текст : электронный.


Инженер ведущий



Щуренко Ю.В. 2024



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## Appendix 2

### 11. EDUCATIONAL-METHODICAL AND INFORMATION SUPPORT OF DISCIPLINE

#### Disaster medicine

##### a) List of recommended literature

###### Core reading:

1. Левчук, И. П. Disaster Medicine = Медицина катастроф: учебник на английском и русском языках / И. П. Левчук, А. П. Назаров, Ю. А. Назарова. - Москва: ГЭОТАР-Медиа, 2021. - 240 с. - ISBN 978-5-9704-6074-0. - Текст: электронный // ЭБС "Консультант студента": [сайт]. –  
URL: <https://www.studentlibrary.ru/book/ISBN9785970460740.html>
2. Levchuk, I. P. Life Safety in Medicine: textbook / I. P. Levchuk, A. P. Nazarov, M. V. Kostyuchenko. - Moscow: GEOTAR-Media, 2021. - 112 p. - 112 с. - ISBN 978-5-9704-5998-0. - Текст: электронный // ЭБС "Консультант студента": [сайт]. - URL: <https://www.studentlibrary.ru/book/ISBN9785970459980.html>

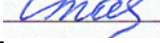
###### Supplementary reading:

1. Garkavi, A. V. Disaster medicine / Garkavi A. V., Kavalersky G. M. - Москва: ГЭОТАР-Медиа, 2019. - 304 с. - ISBN 978-5-9704-5258-5. - Текст: электронный // ЭБС "Консультант студента": [сайт]. – URL: <https://www.studentlibrary.ru/book/ISBN9785970452585.html>
2. Levchuk, I. P. First Aid in Case of Accidents and Emergency Situations: course book / I. P. Levchuk, M. V. Kostyuchenko, A. P. Nazarov - Москва: ГЭОТАР-Медиа, 2017. - 120 с. - ISBN 978-5-9704-4230-2. - Текст: электронный // ЭБС "Консультант студента": [сайт]. – URL: <https://www.studentlibrary.ru/book/ISBN9785970442302.html>

##### b) Educational and methodical literature

**Belyi L.E.** Methodical guidelines for self-study work of students in the discipline «Disaster Medicine» for specialty 31.05.01 «General medicine» / L. E. Belyi; Ulyanovsk State University, The Institute of Medicine, Ecology and Physical Culture. - Ulyanovsk : UISU, 2022. - Неопубликованный ресурс; На англ. яз. - URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/11548> . - Режим доступа: ЭБС УЛГУ. - Текст : электронный.

AGREED:

Leading specialist Стадольникова/  / 26.04.2024  
The position of the worker scientific library Full name signature date