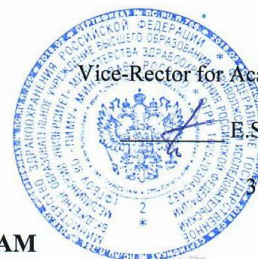


Federal State Budgetary Educational Institution of Higher Education  
"Privolzhsky Research Medical University"  
Ministry of Health of the Russian Federation



APPROVED

Vice-Rector for Academic Affairs

E.S. Bogomolova

31 August 2021

### WORKING PROGRAM

**Name of the academic discipline: LIFE SAFETY MANAGEMENT. EMERGENCY MEDICINE**

**Specialty: 33.05.01 PHARMACY**

**Qualification: PHARMACIST**

**Department: DISASTER MEDICINE**

**Mode of study: FULL-TIME**

**Labor intensity of the academic discipline: 72 academic hours**

Nizhny Novgorod

2021

The curriculum has been developed in accordance with the Federal State Educational Standard for the specialty **33.05.01 PHARMACY**


approved by Order No. 219 of the Ministry of Science and Higher Education of the Russian Federation dated March 27, 2018.

Developers of the curriculum:

Kravtsov A.I., Associate Professor of the Department of Disaster Medicine

Sidorov S.I., Senior Lecturer, Department of Disaster Medicine

The curriculum was reviewed and approved at the department meeting (protocol No.7 dated August 17. 2021.

Head of the department, MD, associate professor  (Razgulin S.A.)

AGREED

Deputy Head of EMA ph.d. of biology  Lovtsova L.V.

August 17. 2021

1. The goals and objectives of mastering the academic discipline Life Safety Management (hereinafter – the discipline):

1.1. The goal of mastering the discipline: participation in the formation of relevant competencies: UC - 8; GPC - 6.

1.2. Objectives of the discipline:

**As a result of mastering the discipline, the student should:**

**know**

- methodological and legal foundations of human life safety;
- risks associated with the use of modern means of warfare;
- fundamentals of the security of society and the individual;
- basic concepts, definition and classification of emergency situations;
- damaging factors of natural emergencies (earthquakes, floods, other natural disasters);
- impact of disasters on human health and medical services;
- Russian system for the prevention and liquidation of adverse effects of emergency situations (EMERCOM); objectives and basic principles of the organization;
- fundamentals of organization, measures and methods of protecting the population from hazards of natural and man-made origin;
- peculiarities of the development of neuropsychiatric disorders in disaster victims, medical personnel and rescuers in emergency situations;
- basic principles of life safety in medical organizations;
- definition and types of medical aid, organization of triage at the stages of medical evacuation;
- basic principles of the organization of medical care for children in emergency situations;
- characteristics of organization of medical evacuation measures in case of modern types of weapons use;
- basic principles of medical and sanitary provision of the population during the elimination of the consequences of a chemical and radiation emergencies ;
- organization of medical and sanitary provision of the population during the liquidation of the consequences of natural and human-made disasters, road transport accidents, explosions and fires;
- fundamentals of organization and implementation of sanitary and anti-epidemic (preventive) measures in emergency situations of peace and wartime;
- measures for the medical supply of units and institutions of Disaster Medicine Service in various modes of operation;
- objectives and organizational structure of the All-Russian Service for Disaster Medicine (ARDMS);
- the main provisions of regulatory legal documents on the organization of medical support for the population in emergency situations.

**be able to**

- identify the main environmental hazards, assess the risk of hazardous situations occurrence;
- assess the impact of disasters on human health and medical services;
- select appropriate methods of protection from adverse factors in emergencies;
- use appropriate methods of protection from hazards in the course of professional activity in emergency situations;
- apply methods to ensure safe living conditions for patients and medical personnel;
- comply with the rules of labor protection and safety in the course of professional activity;
- ensure compliance with the rules of labor protection and provide safety measures by subordinate employees;
- take measures to protect patients, medical personnel and medical property in emergency situations;
- determine the scope and type of medical measures depending on the situation;
- provide first aid, primary pre-medical and medical care to the population affected by disasters.

**possess the skills to use:**

- concepts and terminology in the field of human Life Safety and Disaster Medicine;
- emergency triage techniques;
- methods of providing first aid, primary pre-medical and primary medical and sanitary assistance in emergency situations;
- techniques and methods of evacuation of victims in emergency situations;
- techniques and methods of using personal protective equipment;
- methods of using antidote and radioprotective agents in the scope of primary medical care;
- an algorithm for monitoring compliance with safety rules for medical personnel and patients.

**2. Position of the academic discipline in the structure of the General Educational**

Program of Higher Education (GEP HE) of the organization.

**2.1. The discipline Life Safety refers to the core part (or the part formed by the participants**

**of educational relations) of Block 1. B.33.**

The discipline is taught in 4, 5 and 6 semesters.

**2.2. The following knowledge, skills and abilities formed by previous academic disciplines are required for mastering the discipline:**

Jurisprudence. First aid. Hygiene.

**2.3. Mastering the discipline is required for forming the following knowledge, skills and abilities for subsequent academic disciplines:**

Public Health and Healthcare. Hygiene. Epidemiology. Hospital Therapy, Occupational Diseases. Hospital Surgery. Fundamentals of Urgent care. Organizational Aspects of the Activities of the local doctor.

### 3. Deliverables of mastering the academic discipline and metrics of competence acquisition.

п/ №	Competence code	The content of the competence	Code and name of the competence acquisition metric	As a result of mastering the discipline, the students should:		
				Know	Be able to	Possess the skills in
1	UC-8 "Life Safety"	Be able to : create and maintain safe living conditions in everyday life and in professional activities to preserve the natural environment, ensure the sustainable development of society, including in the situation of a threat and the occurrence of emergencies and military conflicts	ID-1 UC-8.1 ID-2 UC-8.2 ID-3 UC-8.3	IUC 8.1 Know: factors of harmful influence on vital activity; Algorithms of actions in case of peacetime emergencies and military conflicts	IUC8.2 Able to: identify dangerous and harmful factors within the framework of the activities carried out, create and maintain safe living conditions in everyday life and in professional activities	IUC 8.3 Have practical experience: in participation in planned exercises to develop skills to work in emergency situations; in first aid delivery; adheres to workplace safety regulations
2	GPC-5	Able to provide first aid on the territory of a pharmaceutical organization in case of emergency before the arrival of an ambulance	ID-1, GPC-5.1, ID-2, GPC-5.2. ID-3, GPC-5.3	IGPC 5.1 Know the methodology for providing first aid on the territory of a pharmaceutical organization in case of emergency before the arrival of an ambulance team	IGPC 5.2 Be able to recognize the condition requiring first aid in case of emergency before the arrival of the ambulance team	IGPC 5.3 Possess practical experience in estimating the state requiring first aid in case of emergency before the arrival of the ambulance

### 4 Sections of the academic discipline and competencies that are formed when mastering

№	Competence code	Section name of the discipline	The content of the section in teaching units
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1.		<b>Life Safety Management</b>	
1.1	UC8	Methodological and legal bases of Life Safety management	Human life activity. Human habitat. . Environment. Environmental factors. Environmental hazards. Risk factors. Pathological conditions of the human body. Human adaptation. Life safety. Types, directions, approaches, methods, ways and means of ensuring life safety. Legal basis for ensuring life safety in the Russian Federation. Culture of life safety.
	UC8	National security	Russia's national security. The role and place of Russia in the world community. The system of national interests of Russia. Fundamentals of mobilization training and health mobilization. State material reserve for medical and sanitary purposes. Military registration and booking of medical workers. Modern wars and armed conflicts. Definition and classification of wars and armed conflicts. Means of armed struggle. The damaging factors of modern types of weapons. The security of society and the individual. Hazards and their impact on the human body. System of measures to ensure the safety of organized teams. Measures to ensure the personal safety of citizens.
	UC8	Emergency situations. Unified State System for Prevention and Elimination of the Consequences of Emergency Situations	Basic concepts, definitions, classification, medical and health consequences of emergency situations. Phases of development and damaging factors of emergency situations. Methods for forecasting and assessing the situation in emergency. Unified State System for Prevention and Elimination of Consequences of Emergency Situations.
	UC8	Population protection in emergency	Basic principles and legal framework for the protection of the population. Fundamentals of the organization of rescue and other activities in emergency situations. The system of civil defense and the main directions of its activity. Fundamentals of organization and measures to protect the population in peacetime and wartime. System and

			<p>methods of human protection from the main types of dangerous and harmful effects of natural and man-made origin. Methods of hazard assessment and control. General characteristics and classification of protective equipment. Protective structures, individual technical and medical means of protection. Sanitary and special treatment</p>
	UC8	<p>Basic principles of organizing medical and psychological support for the population, medical workers and rescuers in emergency situations</p>	<p>Fundamentals of organizing medical and psychological support for the population, medical workers and rescuers in emergency situations</p> <p>The main psychological causes of erroneous actions and the occurrence of dangerous situations</p> <p>Psychotraumatic factors of an emergency; Characteristics of the development of neuropsychiatric disorders in the population and rescuers in emergency situations</p> <p>Organization of medical and psychological assistance to the population, medical workers and rescuers in emergency situations.</p>
	UC8	<p>Safety in medical organizations</p>	<p>Safety of medical workers. Characteristics of threats to the life and health of medical workers. The system of labor protection and safety in medical organizations. The main approaches, methods and means of ensuring the safety of medical worker. Characteristics of ensuring fire, radiation, chemical, biological and psychological safety of medical personnel. Safety requirements in structural units of medical organizations. Security of medical services. Characteristics of threats to life and health of hospital patients. Forms of manifestation of threats to patient safety. The system for ensuring patient safety in medical organizations. Therapeutic and protective mode of work of medical organizations. Sanitation of patients. Evacuation of patients in emergency situations.</p>
	<b>Disaster Medicine</b>		
	GPC- 6	<p>Fundamentals of medical evacuation support of the population in emergency situations of peacetime</p>	<p>The essence of the system of medical evacuation support for the population in emergency situations. Organization of medical triage during medical and</p>

		and wartime	evacuation support of the population and personnel of medical institutions in case of emergency. Features of the organization of medical care for children in emergency situations. Features of the organization of medical and evacuation measures in the case of the use of modern types of weapons.
	GPC- 6	Medical and sanitary provision of the population during the liquidation of the consequences of chemical and radiation emergencies..	<p>Medical and sanitary provision of the population during the elimination of the consequences of emergency situations of a chemical nature. Sources of chemical hazard. Classification of toxic and highly toxic substances (HTS). Brief description of HTS (basic patterns of interaction between the body and toxicants). The course of intoxication, the main clinical manifestations. General principles of emergency care, antidote therapy. The concept and medical and tactical characteristics of contamination zones created by HTS.</p> <p>Characteristics of medical and evacuation support (organizational, medical and diagnostic measures, forces and means). Modern systems of toxicological information support.</p> <p>Medical and sanitary provision of the population during the liquidation of the consequences of radiation emergency. Types of ionizing radiation and their properties. Quantitative assessment of ionizing radiation.</p> <p>Classification and brief description of radiation accidents. The concept of zones of radioactive contamination. Foci of radiation damage. Factors causing injuries in nuclear explosions and radiation accidents.</p> <p>Medical characteristics of radiation injuries, immediate and long-term effects of exposure.</p> <p>Medical and sanitary provision of the population during the liquidation of the consequences of radiation accidents. Means of prevention and therapy of radiation injuries.</p>
	GPC - 6	Medical and sanitary provision of the population during the elimination of the consequences of natural	<p>Medico-tactical characteristics of natural emergencies.</p> <p>Medico-tactical characteristics of transport and road traffic accidents</p> <p>Medical and tactical characteristics of</p>



		disaster, road transport accidents, explosions and fires.	explosions and fires. Organization of medical and sanitary provision of the population during the elimination of the consequences of natural emergencies, road transport accidents, explosion and fires.
	GPC- 6	Sanitary and anti-epidemic (preventive) measures in the aftermath of emergency situations	Fundamentals of organizing and conducting sanitary and anti-epidemic (preventive) measures among the population in emergency situations. Classification and content of sanitary and anti-epidemic (preventive) measures. Principles of organizing sanitary and anti-epidemic (preventive) measures in emergency situations. Features of the organization of sanitary and anti-epidemic (preventive) measures in epidemic conditions.
	GPC- 6	Organization of medical supplies in emergency situations	Tasks and principles of supplying medical equipment to QMS formations and institutions. Medical property: classification and characteristics. Determining the need for medical equipment. Organization of accounting and reporting on medical property.
	GPC - 6	Tasks, organizational structure and governing bodies of the All-Russian Service for Disaster Medicine	Tasks, principles, modes of functioning of the All-Russian Service for Disaster Medicine. Organizational structure, characteristics institutions and formations of the All-Russian Service for Disaster Medicine. Legislative and normative-legal bases of VSMK management.
3		<b>ORGANIZATION OF THE PROVISION OF MEDICAL PROPERTY IN EMERGENCY SITUATIONS</b>	
3.1	GPC-5	Tasks and principles of supplying medical equipment to CDMC in wartime, ARDMS and the population in peacetime emergencies	The subject and content of the medical supply course for CDMS, ARDMS and other medical institutions. The meaning and tasks of medical supply in the general system of medical supply in emergencies. Organizational structure and principles of supplying medical equipment to CDMS, ARDMS and other medical institutions. The main content of the work of governing bodies (contenting bodies), institutions and units of

			medical supply (bases, warehouses).
3.2	GPC-5	Organization of medical supply of formations and institutions intended for medical and sanitary support of the population in emergency situations	Tasks, forces and means for providing medical equipment to the formations of the disaster medicine service, duties of officials. Equipping the formations of the disaster medicine service to provide medical care in emergency situations.
3.3	GPC-5	Medical property, its classification and characteristics	Medical property, its characteristics and classification. General characteristics and classification. Sources of provision of medical property, quality control of medical property.
3.4	GPC-5	Rules for storage, packaging and transportation of medical equipment in the field	The main factors affecting the state of medical property. General rules for the storage of medical property. Features of storage of medical property in the field. Basic rules for packaging and transportation of medical equipment.
3.5	GPC-5	Determining the need for and claiming medical property	Rationing of medical property. Normative documents of peacetime and wartime. Determining the need, claiming medical property in peacetime. Determining the need, claiming medical property in wartime.
3.6	GPC-5	Accounting and reporting on medical property	. Tasks and significance of accounting and reporting on medical property. Accounting methods and requirements for it. Classification of accounting documents. The procedure for compiling, maintaining and storing accounting documents, documenting the receipt and issue of medical property, the procedure for writing off. Reporting on the medical supply of formations and medical institutions of CDMS and ARDMS
3.7	GPC-5	Control and revision work on medical supply issues	Tasks, types and forms of control over the provision of the disaster medicine service with medical property. Inventory of medical property. Verification and documentary audit on the provision of medical property. The procedure for the acceptance and delivery of a pharmacy when changing officials.

3.8	GPC-5	Preparing medical supply establishments to deal with emergencies	<p>The content and sequence of work of the head of medical supply in emergency situations of peacetime.</p> <p>Procedure for planning the medical supply of the CDMS formations. Planning documents and the procedure for their development. Activities carried out by the head of medical supply upon receipt of a task to eliminate the consequences of an emergency (in high alert mode and in emergency mode).</p> <p>Justification and calculation of the consumption rates of medical property for the provision of medical care and treatment of victims in the aftermath of emergency situations.</p>
3.9	GPC-5	Deployment and organization of work of pharmacies of formations and medical institutions of CDMS and ARMS in the provision of medical care in emergency situations	<p>. Factors affecting the organization of the work of pharmacies in the field, areas of disasters or accidents. Typical layouts of pharmacies. Choosing a location for deploying pharmacies. Equipping workplaces with standard medical equipment. The use of mechanization in the preparation of medicines. Obtaining purified water by standard means. Peculiarities in the organization of the work of pharmacies of the CDMS formations, the disaster medicine service for the preparation and dispensing of dosage forms</p>
3.10	GPC-5	Organization of medical supply of formations and institutions of CDMS	<p>The procedure for providing CDMS formations and institutions with medical, sanitary and special property. Bases for the supply of medical equipment (medical centers "Reserve"), their brief description. Use of property of central and local pharmacies, warehouses and material resources of other departments. Calculation of the need for medical property and its reclamation. Protection of medical property.</p>

## 5. Volume of the academic discipline and types of academic work.

Types of educational work	Labor intensity		Labor intensity (AH) in semesters		
	volume in credit units (CU)	volume in academic hours (AH)	4 semester	5 semester	6 semester
Classroom work, including	5,4	174	44	66	64
Lectures (L)		40	12	14	14
Practicum (P)*		134	32	52	50
Seminars (S)					
Student's individual work (SIW)	2,6	114	28	42	44
Mid-term assessment	1	36			36
<b>TOTAL</b>	<b>9</b>	<b>324</b>	<b>72</b>	<b>108</b>	<b>108/36</b>

### 6.1. Sections of the discipline and types of academic work

№ п/п	№ Semester	Name of the section of the academic discipline	Types of academic work* (in AH)				
					S	SIW	Total
1	3	LIFE SAFETY	12	32		28	72
1.1	3	Methodological and legal foundations of Life Safety Management				3	5
1.2	3	National security				3	5
1.3	3	Emergencies. Unified State System for Prevention and Elimination of Consequences of Emergency Situations.				5	5 1
1.4	3	Population protection in emergency situations				6	7 1

1.5	3	Fundamentals of organizing medical and psychological support for the population, medical workers and rescuers in emergency situations				2	5
1.6	3	Life safety in medical organizations		14		9	5 <sup>2</sup>
2		<b>DISASTER MEDICINE</b>	<b>14</b>	<b>52</b>		<b>42</b>	<b>108</b>
2.1	11	Fundamentals of medical evacuation support of the population in emergency situations of peace and wartime	4	12		10	26
2.2	11	Medical and sanitary provision of the population during the liquidation of the consequences of chemical and radiation emergency.		18		14	36
2.3	11	Medical and sanitary provision of the population during the elimination of the consequences of natural disasters, road transport accidents, explosions and fires.				4	4 <sup>1</sup>
2.4	11	Sanitary and anti-epidemic (preventive) measures in the aftermath of emergency situations.				8	18
2.5	11	Organization of medical supplies in emergency situations				6	14
2.6	11	Tasks, organizational structure and governing bodies of All-Russian Service for Disaster Medicine				6	14

3.		<b>ORGANIZATION OF THE PROVISION OF MEDICAL PROPERTY IN EMERGENCY SITUATIONS</b>	4	0		4	4	108
3.1		Tasks and principles of supplying medical equipment to MSGO in wartime, VSMC and the population in peacetime emergencies					4	8
3.2		Organization of medical supply of formations and institutions intended for medical and sanitary support of the population in emergency situations					4	11
3.3		Medical property, its classification and characteristics					4	11
3.4		Rules for storage, packaging and transportation of medical equipment in the field					4	11
3.5		Determining the need for and applying for medical property					6	13
3.6		Accounting and reporting on medical property					4	10
3.7		Control and revision work on medical supply issues					4	12
3.8		Preparing medical supply establishments to deal with emergencies					6	11

3.9		Deployment and organization of work of pharmacies of formations and medical institutions of MSGO and VSMK in the provision of medical care in emergency situations				4	12
3.10		Organization of medical supply of formations and institutions of CDMS				4	9

## 6.2. Thematic schedule of educational work types:

### 6.2.1 Thematic schedule of lectures

№ п/п	Name of lecture topics	Volume in AH		
		4 semester	5 semester	6 semester
1.	<b>LIFE SAFETY</b>	<b>12</b>	<b>14</b>	
1.1	Methodological and legal foundations of human life safety	2		
1.2	National security	2		
1.3	Emergencies. Unified State System for Prevention and Elimination of Consequences of Emergency Situations.	2		
1.4	Protecting a person from harmful and dangerous factors of natural and man-made origin.	3		
1.5	Fundamentals of organizing medical and psychological support for the population, medical workers and rescuers in emergency situations	1		
1.6	Life safety in medical organizations	2		
2.	<b>DISASTER MEDICINE</b>			
2.1	Fundamentals of medical evacuation support of the population in emergency situations of peace and wartime		4	
2.2	Medical and sanitary provision of the		4	

	population during the liquidation of the consequences of emergency situations of a chemical and radiation nature			
2.3	Medical and sanitary provision of the population during the elimination of the consequences of natural disasters, road transport accidents, explosions and fires.		2	
2.4	Sanitary and anti-epidemic (preventive) measures in the aftermath of emergency situations.		2	
2.5	Organization of medical supplies in emergency situations		2	
2.6	Tasks, organizational structure and governing bodies of the All-Russian Service for Disaster Medicine		2	
3.	<b>ORGANIZATION OF THE PROVISION OF MEDICAL PROPERTY IN EMERGENCY SITUATIONS</b>			<b>14</b>
3.1	Tasks and principles of supplying medical equipment to MSGO in wartime, VSMC and the population in peacetime emergencies			2
3.2	Organization of medical supply of formations and institutions intended for medical and sanitary support of the population in emergency situations			1
3.3	Medical property, its classification and characteristics			1
3.4	Rules for storage, packaging and transportation of medical equipment in the field			1
3.5	Determining the need for and applying for medical property			1
3.6	Accounting and reporting on medical property			2
3.7	Control and revision work on medical supply issues			2
3.8	Preparing medical supply establishments to deal with emergencies			1
3.9	Deployment and organization of work of pharmacies of formations and medical institutions of MSGO and VSMK in the provision of medical care in emergency situations			2
3.10	Organization of medical supply of formations and institutions of CDMS			1
		12	14	<b>14</b>



**6.3. The distribution of laboratory workshops by semesters - GEF HE is not provided.**

**6.4. Thematic plan of practicals**

№ п/п	Name of the topics of practicals	Volume in AH		
		4 semester	5 semester	6 semester
1.	<b>LIFE SAFETY MANAGEMENT</b>	32	52	
1.3	Phases of development and damaging factors of emergency situations: natural, road transport accidents, explosions and fires.	3		
1.3	Methodology for assessing the medical impact in emergency situations	2		
1.3	Tasks and organizational structure of the Russian system for the prevention and elimination of consequences of emergency situations	3		
1.4	Fundamentals of organizing the protection of the population from harmful and dangerous factors of natural, anthropogenic and technogenic origin.	2		
1.4	Means and methods of control and monitoring of dangerous and negative factors	1		
1.4	Technical means of individual and collective protection.	2		
1.4	Personal medical protective equipment.	2		
1.4	Sanitary and special treatment.	1		
1.5	Characteristics of the development of neuropsychiatric disorders in the population, medical personnel and rescuers in emergency situations	1		
1.5	Methods of medical and psychological correction of the disturbed mental and functional state of those affected in emergency situations.	1		
1.6	Safety of medical workers.	7		
1.6	Safety of medical services.	7		
2.	<b>DISASTER MEDICINE</b>	<b>52</b>		

2.1	The system of medical and evacuation support of the population in emergency situations	2		
2.1	Definition, justification and organization of medical sorting in the medical and evacuation support of the population, staff and patients of medical institutions in emergency situations	2		
2.1	Features of the organization of medical care during the evacuation of children from the area of emergency situations	6		
2.1	Features of the organization of medical and evacuation measures when the enemy uses modern types of weapons	2		
2.2	Toxic irritant chemicals	2		
2.2	Toxic chemicals with pulmonary toxicity	2		
2.2	Toxic chemicals of general poisonous action	2		
2.2	Toxic chemicals with cytotoxic effects	2		
2.2	Toxic chemicals with neurotoxic effects	2		
2.2	Medical means of prevention and assistance in case of radiation injuries	4		
2.2	Radiation injury as a result of external general exposure	2		
2.2	Local radiation injury	2		
2.3	Medical and sanitary provision of the population during the elimination of the consequences of natural disasters, road transport accidents, explosions and fires	8		
2.4	Sanitary and anti-epidemic (preventive) measures in the aftermath of emergency situations.	8		
2.5	Organization of medical supplies in emergency situations	3		
2.6	Tasks, organizational structure and governing bodies of the All-Russian Service for Disaster Medicine	3		
2.6	Legislative and regulatory framework for the management of the All-Russian Disaster Medicine Service			

3.	<b>ORGANIZATION OF MEDICAL PROPERTY SUPPLY IN EMERGENCIES</b>			<b>50</b>
3.1	. The subject and content of the medical supply course for CDMS units, ARDMS and other medical institutions			0,5
3.1	The significance and tasks of medical supply in the general system of medical support for the population in emergencies.			0,5
3.1	Organizational structure and principles for the supply of medical equipment to CDMS, ARDMS and other medical institutions			0,5
3.1	The main content of the work of governing bodies (contenting bodies), institutions and units of medical supply (bases, warehouses).			0,5
3.2	Tasks, forces and means for providing medical equipment to the formations of the disaster medicine service, duties of officials.			2
3.2	Equipping the formations of the disaster medicine service to provide assistance in emergency situations.			1
3.2	The tasks of the disaster medicine service to provide medical The tasks of the disaster medicine service to provide medical units and institutions. property to units and institutions.			1
3.2	The forces and means of the disaster medicine service intended to provide medical equipment to units and institutions.			1
3.2	Equipping the formations of the disaster medicine service to provide assistance in emergency situations.			1
3.3	Medical property, its characteristics and classification.			2
3.3	General characteristics and classification.			2
3.3	Sources of provision of medical property, quality control of medical property.			2
3.4	The main factors affecting the state of medical property.			2
3.4	General rules for the storage of medical property.			1
3.4	Characteristics of storage of medical property in the field			1
3.4	Basic rules for packaging and transportation of medical equipment.			2
3.5	Rationing of medical property.			2
3.5	Normative documents of peacetime and wartime			2
3.5	Determining the need, applying for medical property in peacetime.			1
3.5	Determining the need, applying for medical property in			1

	wartime.			
3.6	Tasks and significance of accounting and reporting on medical property.			1
3.6	Accounting methods and requirements for medical property.			0,5
3.6	. Classification of accounting documents			0,5
3.6	The procedure for compiling, processing the maintenance and storage of accounting documents, documenting the receipt and issue of medical property, the procedure for writing off			1
3.6	Reporting on the medical supply of formations and medical institutions of CDMS and ARDMS.			1
3.7	Tasks, types and forms of control over the provision of the disaster medicine service with medical property.			2
3.7	Inventory of medical property.			1
3.7	Verification and documentary audit on the provision of medical property			1
3.7	The procedure for the acceptance and delivery of a pharmacy when changing officials.			2
3.8	The content and sequence of work of the head of medical supply in emergency situations of peacetime.			1
3.8	Procedure for planning the medical supply of the ARDMS formations. Planning documents and the procedure for their development.			1
3.8	Activities carried out by the head of medical supply upon receipt of a task to eliminate the consequences of an emergency (in high alert mode and in emergency mode).			1
3.8	Justification and calculation of the norms of consumption of medical property for the provision of medical care and treatment of victims during the liquidation of the consequences of an emergency.			1
3.9	Factors affecting the organization of the work of pharmacies in the field, areas of disasters or accidents.			1
3.9	Typical layouts of pharmacies.			1
3.9	Choosing a place to deploy a pharmacy.			1
3.9	Equipping workplaces with standard medical equipment.			1
3.9	The use of mechanization in the preparation of medicines.			1
3.9	Obtaining purified water by standard means.			1
3.9	Peculiarities in the organization of the work of pharmacies			1

	of the CDMS formations, the disaster medicine service for the preparation and dispensing of dosage forms.			
3.10	The procedure for providing CDMS formations and institutions with medical, sanitary and special property.			1
3.10	Bases for the supply of medical equipment (Reserve medical centers), their brief description.			1
3.10	Use of property of central and local pharmacies, warehouses and material resources of other departments.			1
3.10	Calculation of the need for medical property and its reclamation.			1
3.10	Protection of medical property.			1
	Total (a.h)	32	52	50

### 6.5. Thematic plan of clinical practical training. (not provided)

### 6.6. Thematic plan of seminars. (not provided)

### 6.7. Types and topics of student's individual work (SIW)

№ п/п	Types and topics of student's individual work (SIW)	Volume in A.H		
		4 semester	5 semester	6 semester
<b>1.</b>	<b>LIFE SAFETY MANAGEMENT</b>	<b>28</b>		
1.1	Basic concepts and types of activities to ensure the safety of human life	1,5		
1.1	Legal basis for ensuring life safety in the Russian Federation	0,5		
1.1	Human life safety system in the Russian Federation	1,0		
1.2	National Security of Russia	0,5		
1.2	Basics of mobilization preparation and health services mobilization	1,0		
1.2	Modern wars and armed conflicts	0,5		
1.2	Security of society and the individual.	1,0		
1.3	Phases of development and damaging factors of emergency situations: natural, road transport accidents, explosions and fires.	2		
1.3	Methodology for assessing the medical impact in emergency situations	1		
1.3	Tasks and organizational structure of the Russian system for the prevention and elimination of consequences of emergency situations	2		
1.4	Fundamentals of organizing the protection of the population from harmful and dangerous factors of natural, anthropogenic and technogenic origin.	2		
1.4	Means and methods of control and monitoring of dangerous and negative factors	1		
1.4	Technical means of individual and collective protection.	1		
1.4	Personal medical protective equipment.	1		
1.4	Sanitary and special treatment.	1		
1.5	Characteristics of the development of neuropsychiatric disorders in the population, medical personnel and rescuers in emergency situations	1		
1.5	Methods of medical and psychological correction of the disturbed mental and functional state of those affected in emergency situations.	1		

1.6	Safety of medical workers.	4,5		
1.6	Safety of medical services.	4,5		
2.	<b>DISASTER MEDICINE</b>		42	
2.1	The system of medical and evacuation support of the population in emergency situations		3	
2.1	Definition, justification and organization of medical sorting in the medical and evacuation support of the population, staff and patients of medical institutions in emergency situations		3	
2.1	Features of the organization of medical care during the evacuation of children from the area of emergency situations		2	
2.1	Features of the organization of medical and evacuation measures when the enemy uses modern types of weapons		2	
2.2	Toxic irritant chemicals		2	
2.2	Toxic chemicals with pulmonary toxicity		2	
2.2	Toxic chemicals of general poisonous action		1	
2.2	Toxic chemicals with cytotoxic effects		1	
2.2	Toxic chemicals with neurotoxic effects		1	
2.2	Medical means of prevention and assistance in case of radiation injuries		4	
2.2	Radiation injury as a result of external general exposure		2	
2.2	Local radiation injury		1	
2.3	Medical and sanitary provision of the population during the elimination of the consequences of natural disasters, road transport accidents, explosions and fires		4	
2.4	Sanitary and anti-epidemic (preventive) measures in the aftermath of emergency situations.		8	
2.5	Organization of medical supplies in emergency situations		4	
2.6	Tasks, organizational structure and governing bodies of the All-Russian Service for Disaster Medicine		2	
2.6	Legislative and regulatory framework for the management of the All-Russian Disaster Medicine Service			
		28		

3.	<b>ORGANIZATION OF MEDICAL PROPERTY SUPPLY IN EMERGENCIES</b>			44
3.1	The subject and content of the medical supply course for CDMS units, ARDMS and other medical institutions			2,0
3.1	The significance and tasks of medical supply in the general system of medical support for the population in emergencies.			2,0
3.1	Organizational structure and principles for the supply of medical equipment to CDMS, ARDMS and other medical institutions			2,0
3.1	The main content of the work of governing bodies (contenting bodies), institutions and units of medical supply (bases, warehouses).			2,0
3.2	Tasks, forces and means for providing medical equipment to the formations of the disaster medicine service, duties of officials.			2,0
3.2	Equipping the formations of the disaster medicine service to provide assistance in emergency situations.			2,0
3.2	The tasks of the disaster medicine service to provide medical The tasks of the disaster medicine service to provide medical units and institutions. property to units and institutions.			2,0
3.2	The forces and means of the disaster medicine service intended to provide medical equipment to units and institutions.			2,0
3.2	Equipping the formations of the disaster medicine service to provide assistance in emergency situations.			2,0
3.3	Medical property, its characteristics and classification.			3,0
3.3	Общая характеристика и классификация.			1
3.3	Sources of provision of medical property, quality control of medical property.			1
3.4	The main factors affecting the state of medical property.			1
3.4	General rules for the storage of medical property.			1
3.4	Characteristics of storage of medical property in the field			1
3.4	Basic rules for packaging and transportation of medical equipment.			1
3.5	Rationing of medical property.			1
3.5	Normative documents of peacetime and wartime			1
3.5	Determining the need, applying for medical property in peacetime.			1
3.5	Determining the need, applying for medical property in wartime.			1
3.6	Tasks and significance of accounting and reporting on medical property.			0,5
3.6	Accounting methods and requirements for medical property.			0,5
3.6	Classification of accounting documents			0,4
3.6	The procedure for compiling, processing the maintenance and storage of accounting documents, documenting the receipt and issue of medical property, the procedure for writing off			0,3
3.6	Reporting on the medical supply of formations and medical institutions of CDMS and ARDMS.			0,3
3.7	Tasks, types and forms of control over the provision of the disaster medicine service with medical property.			1
3.7	Inventory of medical property.			1
3.7	Verification and documentary audit on the provision of medical property			1
3.7	The procedure for the acceptance and delivery of a pharmacy when changing officials.			1
3.8	The content and sequence of work of the head of medical supply in emergency situations of peacetime.			1
3.8	Procedure for planning the medical supply of the ARDMS formations. Planning documents and the procedure for their development.			1
3.8	Activities carried out by the head of medical supply upon receipt of a task to eliminate the consequences of an emergency (in high			1

	alert mode and in emergency mode).			
3.8	Justification and calculation of the norms of consumption of medical property for the provision of medical care and treatment of victims during the liquidation of the consequences of an emergency.			1
3.9	Factors affecting the organization of the work of pharmacies in the field, areas of disasters or accidents.			2,0
3.9	Typical layouts of pharmacies.			2,0
3.9	Choosing a place to deploy a pharmacy.			2,0
3.9	Equipping workplaces with standard medical equipment.			2,0
3.9	The use of mechanization in the preparation of medicines.			2,0
3.9	Obtaining purified water by standard means.			2,0
3.9	Peculiarities in the organization of the work of pharmacies of the CDMS formations, the disaster medicine service for the preparation and dispensing of dosage forms.			2,0
3.10	The procedure for providing CDMS formations and institutions with medical, sanitary and special property.			1
3.10	Bases for the supply of medical equipment (Reserve medical centers), their brief description.			1
3.10	Use of property of central and local pharmacies, warehouses and material resources of other departments.			1
3.10	Calculation of the need for medical property and its reclamation.			2,0
3.10	Protection of medical property.			2,0
	Total (a.h)	28	42	44

### 6.8. Scientific - research work of the student.

№ п/п	Topics of the student's research work
1.	Human adaptation in modern conditions.
2.	Environmental factors that affect human health
3.	.Human health criteria
4.	The main external military dangers for the Russian Federation.
5.	The main internal military dangers for the Russian Federation.
6.	. Strategic goals for ensuring national security in the field of healthcare and the health of the nation
7.	Ways to solve the problems of national security in the field of healthcare and the health of the nation.
8.	. Creating conditions for maintaining a healthy lifestyle, stimulating the birth rate and reducing the death rate of the population
9.	Organization of the RSChS system in the native subject of the Russian Federation, district, city, object.
10.	Modern means of medical protection.
11.	Modern system of social and hygienic monitoring in the Russian Federation, native subject of the Russian Federation, district, city.
12.	Organization and tasks of medical and psychological protection and assistance in the Russian Federation, native subject of the Russian Federation, district, city, object.
13.	Adverse factors in the work of a doctor, methods and ways of protecting health from them.
14.	Organization and provision of medical care to the population in emergency situations.
15.	Legislation in the field of health protection of a doctor.
16.	Organizational structure of the All-Russian Disaster Medicine Service at the level of the native subject of the Russian Federation, native region, city.



17.	. Organization of medical and sanitary provision of the population during the liquidation of the consequences of radiation accidents
18.	Medical consequences of radiation accidents. Organization of medical care and protective measures.
19.	Anti-radiation agents in medical support of personnel and the population during radiation disasters.
20.	Medico-tactical characteristics of chemical disasters. Antidotes and first aid for casualties.
21.	Medico-tactical characteristics of natural disasters. Organization of medical response.
22.	Characteristics of mechanical factors causing damage in explosive events.
23.	Organization of medical and evacuation support for the population in wartime.
24.	Medical aspects of biological hazards in emergency zones.
25.	Hygiene and epidemiology of peacetime and wartime emergencies.

### 7. Types of assessment formats for ongoing monitoring and mid-term assessment

№ п/п	№ se m est er	Types of control	Name of section of academic discipline	Assessment formats		
				Types	Number of test questions	Number of test task options
1.	2		LIFE SAFETY MANAGEMENT			
1.1	4	Control of the mastering the topic, Control of student's independent work, exam	Methodological and legal foundations of human life safety	Oral quiz MCQ Essay	10  1 1	25  8
1.2	4	Control of the mastering the topic, Control of student's independent work, exam	National security	Oral quiz MCQ Essay	4  1 1	25  9
1.3	4	Control of the mastering the topic, Control of student's independent work, exam	Emergencies. Unified State System for Prevention and Elimination of Consequences of Emergency Situations.	Oral quiz MCQ Essay	4  1 1	25  8
1.4	4	Control of the mastering the topic, Control of	Population protection in emergency situations.	Oral quiz MCQ Essay	9  1	25

		student's independent work, exam			1	8
1.5	4	Control of the mastering the topic, Control of student's independent work, exam	Fundamentals of organizing medical and psychological support for the population, medical workers and rescuers in emergency situations	Oral quiz MCQ Essay	5 1 1	25 9
1.6	4	Control of the mastering the topic, Control of student's independent work, exam	Life safety in medical organizations	Oral quiz MCQ Essay	15 1 1	25 8
2.			<b>DISASTER MEDICINE</b>			
2.1	5.	Control of the mastering the topic, Control of student's independent work, exam	Fundamentals of medical and evacuation support for the population in emergency situations of peacetime and wartime.	Oral quiz MCQ Essay	3 1 1	25 9
2.2	5.	Control of the mastering the topic, Control of student's independent work, exam	Medical and sanitary provision of the population during the liquidation of the consequences of emergency situations of a chemical and radiation nature.	Oral quiz MCQ Essay	4 1 1	25 8
2.3	5.	Control of the mastering the topic, Control of student's independent work, exam	Medical and sanitary provision of the population during the elimination of the consequences of emergency situations of natural, road transport, explosion and fire hazardous nature.	Oral quiz MCQ Essay	3 1 1	25 9
2.4	5.	Control of the mastering the topic, Control of student's independent work, exam	Sanitary and anti-epidemic (preventive) measures in the aftermath of emergency situations.	Oral quiz MCQ Essay	4 1 1	25 9

2.6	5.	Control of the mastering the topic, Control of student's independent work, exam	Tasks, organizational structure and governing bodies of the All-Russian Service for Disaster Medicine	Oral quiz MCQ Essay	4  1 1	25  8
3.	5.		<b>ORGANIZATION OF THE PROVISION OF MEDICAL PROPERTY IN EMERGENCY SITUATIONS</b>			
3.1	6.	Control of the mastering the topic, Control of student's independent work, exam	Tasks and principles of supplying medical equipment to MSGO in wartime, VSMC and the population in peacetime emergencies	Oral quiz MCQ Essay Exam questions	4  1 1	25  9
3.2	6.	Control of the mastering the topic, Control of student's independent work, exam	Organization of medical supply of formations and institutions intended for medical and sanitary support of the population in emergency situations	Oral quiz MCQ Essay Exam questions	4  1 1	25  8
3.3	6.	Control of the mastering the topic, Control of student's independent work, exam	Medical property, its classification and characteristics	Oral quiz MCQ Essay Exam questions	4  1 1	25  8
3.4	6.	Control of the mastering the topic, Control of student's independent work, exam	Rules for storage, packaging and transportation of medical equipment in the field	Oral quiz MCQ Essay Exam questions	4  1 1	25  8
3.5	6.	Control of the mastering the topic, Control of student's independent work, exam	Determining the need for and applying for medical property	Oral quiz MCQ Essay Exam questions	4  1 1	25  9
3.6	6.	Control of the mastering the topic, Control of student's independent work, exam	Accounting and reporting on medical property	Oral quiz MCQ Essay Exam questions	4  1 1	25  8
3.7	6.	Control of the mastering the	Control and revision work on medical supply issues	Oral quiz MCQ	4	

		topic, Control of student's independent work, exam		Essay Exam questions	1 1	25 8
3.8	6.	Control of the mastering the topic, Control of student's independent work, exam	Preparing medical supply establishments to deal with emergencies	Oral quiz MCQ Essay Exam questions	4 1 1	25 8
3.9	6.	Control of the mastering the topic, Control of student's independent work, exam	Deployment and organization of work of pharmacies of formations and medical institutions of MSGO and VSMK in the provision of medical care in emergency situations	Oral quiz MCQ Essay Exam questions	4 1 1	25 8
3.10	6.	Control of the mastering the topic, Control of student's independent work, exam	Organization of medical supply of formations and institutions of CDMS	Oral quiz MCQ Essay Exam questions	4 1 1	25 8

**8. Educational, methodological and information support of mastering the discipline (printed, electronic publications, Internet and other network resources).**

№	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
1.	Medicine of emergencies: a textbook. In 6 parts / ed. S.A. Razgulin, 2nd ed. - Nizhny Novgorod: Publishing House of the Nizhny Novgorod State Medical Academy, 2017. Part 1 Tasks, organizational structure and management bodies of the All-Russian Service for Disaster Medicine (VSMK). – 40 p.	30	200
2.	Ensuring life safety in healthcare: textbook / ed. MD S.A. Razgulin; 4th ed., add. - Nizhny Novgorod: Publishing house of the Nizhny Novgorod State Medical Academy, 2017. - 296 p.	30	500
3.	Medical support of civil defense measures: textbook / ed. MD S.A. Razgulin. - Nizhny Novgorod: Publishing house of the Nizhny Novgorod state. Medical Academy, 2012. – 188 p.	30	200
4.	Organization of the supply of medical equipment in emergency situations: a study guide. At 2 pm / ed. MD S.A. Razgulin - N. Novgorod: Publishing house of the Nizhny Novgorod State Medical Academy, 2017.	30	250
5.	Mobilization preparation of health care. Selected lectures / ed. MD S.A. Razgulin. - Nizhny Novgorod: Publishing house of the Nizhny Novgorod State Medical Academy, 2011. - 284 p.	30	150
6.	Emergency Medicine. Selected lectures / Ed. B.V. Bobiya, L.A.	2	2

	Apollonova. - M.: GEOTAR-Media, 2013. - 432 p.		
7.	Disaster medicine: textbook / P. L. Kolesnichenko (and others). - M.: GEOTAR-Media, 2017. – 448p.	2	2
8.	Military Field Therapy: Textbook / Under the editorship of Doctor of Medical Sciences Yu.V. Ovchinnikov; doctor of medical sciences, professor Yu.Sh. Khalimov. - St. Petersburg. : ELBI-SPb, 2016. - 352 p. : ill.	2	2
9.	Fundamentals of organizing the provision of medical care to victims of emergencies, methodological recommendations, S.F. Goncharov and others, Moscow, VTsMK "Protection" 2016	1	1
10.	Organization of medical support of the population in emergency situations of peacetime and wartime: textbook. In 2 parts / ed. MD S.A. Razgulin - N. Novgorod. ed. PIMU. 2020 electronic version.	1	-
11.	Methodological development of classes for students of the medical faculty of distance learning. / ed. MD S.A. Razgulin - N. Novgorod. ed. PIMU. 2020 electronic version	1	-

## 8.2 List of additional literature

№ п/п	Name according to bibliographic requirements	Number of copies	
		at the department	in library
1.	"Extreme toxicology", textbook, ed. G.A.Safronova, M.V.Aleksandrova, St. Petersburg ELBI-MPb, 2012. 256 p.	1	2
2.	Quarterly magazines "Medicine of catastrophes".	1	1
3.	Monthly magazines "Military Medical Journal"	0	1
4.	Monthly magazines "Civil Protection"	1	1
5.	Emergency Medicine. Disaster Medicine Service. Information collection of the FGBU VSMK "Protection" of the Ministry of Health of the Russian Federation, Moscow (published 4 times a year).	1	1

## 8.3 List of guidelines for independent work of students:

№ п/п	Name according to bibliographic requirements	Number of copies	
		at the department	in library
1.	Medicine of emergencies: a textbook. At 6 pm / ed. S.A. Razgulin, 2nd ed. - Nizhny Novgorod: Publishing House of the Nizhny Novgorod State Medical Academy, 2017. Part 1 Tasks, organizational structure and management bodies of the All-Russian Service for Disaster Medicine (VSMK). – 40 s.	30	200
2.	Medicine of emergencies: a textbook. At 6 pm / ed. S.A. Razgulin; 2nd ed. - Nizhny Novgorod: Publishing house of the	30	200

	Nizhny Novgorod State Medical Academy, 2017. Part 2. Fundamentals of medical and evacuation support for the population in emergency situations of peace and war. – 72 p.		
3.	Medicine of emergencies: a textbook. At 6 pm / ed. S.A. Razgulin; 2nd ed. - Nizhny Novgorod: Publishing house of the Nizhny Novgorod State Medical Academy, 2017. Part 3. Medical and sanitary provision of the population during the liquidation of emergency situations of a chemical and radiation nature. - 122 p.	30	200
4.	Medicine of emergencies: a textbook. At 6 pm / ed. S.A. Razgulin; 2nd ed. - Nizhny Novgorod: Publishing house of the Nizhny Novgorod State Medical Academy, 2017. Part 4. Medical and sanitary support in the liquidation of emergency situations of natural, road transport, explosion and fire hazard. – 44 p.	30	200
5.	Medicine of emergencies: a textbook. At 6 pm / ed. S.A. Razgulin; 2nd ed. - Nizhny Novgorod: Publishing house of the Nizhny Novgorod State Medical Academy, 2017. Part 5. Sanitary and anti-epidemic (preventive) measures during the liquidation of emergency situations. – 52 p.	30	200
6.	Medicine of emergencies: a textbook. At 6 pm / ed. S.A. Razgulin; 2nd ed. - Nizhny Novgorod: Publishing house of the Nizhny Novgorod State Medical Academy, 2017. Part 6. Organization of medical supply in emergency situations. – 40 p.	30	200
7.	Organization of the supply of medical equipment in emergency situations: a study guide. At 2 pm / ed. MD S.A. Razgulin - N. Novgorod: Publishing house of the Nizhny Novgorod State Medical Academy, 2017.	30	150
8.	Ensuring life safety in healthcare: textbook / ed. MD S.A. Razgulin; 4th ed., add. - Nizhny Novgorod: Publishing house of the Nizhny Novgorod State Medical Academy, 2017. - 296 p.	30	500
9.	Organization of medical support of the population in emergency situations of peacetime and wartime: textbook. At 2 pm / ed. MD S.A. Razgulin - N. Novgorod. ed. PIMU. 2020 electronic version.	1	-
10.	Methodological development of classes for students of the medical faculty of distance learning. / ed. MD S.A. Razgulin - N. Novgorod. ed. PIMU. 2020 electronic version.	1	-

#### 8.4. Electronic educational resources used in the process of teaching the discipline:

##### 8.4.1. Internal Electronic Library System of the University (IELS)

Name of the electronic resource	Brief description (content)		Number of users
Internal electronic library system (VEBS)	Work of the teaching staff of the university: textbooks and teaching guides, monographs, collections of scientific papers,	from any computer on the Internet, using an individual login and password [Electronic	Not limited

	scientific articles, dissertations, dissertation abstracts, patents	resource] - Access mode: <a href="http://95.79.46.206/login.php">http://95.79.46.206/login.php</a>	
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#### 8.4.2. Electronic educational resources purchased by the university

№ п/п	Name of the electronic resource	Brief description (content)	Access conditions	Quantity of users
1.	Electronic database "Student Advisor"	<p>Educational literature + additional materials (audio, video, interactive materials, test tasks) for higher medical and pharmaceutical education. Editions are structured by specialties and disciplines in accordance with the current Federal State Educational Standards of Higher Professional Education.</p> <p>Editions are structured by specialties and disciplines in accordance with the current Federal State Educational Standards of Higher Professional Education.</p>	from any computer on the Internet, using an individual login and password [Electronic resource] - Access mode: <a href="http://www.studmedlib.ru/">http://www.studmedlib.ru/</a>	General subscription of PIMU
2.	Electronic library system "Bookup"	Educational and scientific medical literature of Russian publishing houses, incl. translations of foreign publications	from any computer located on the Internet by login and password, from the computers of the academy. Subscribed editions are available for reading. [Electronic resource] - Access mode: <a href="http://www.books-up.ru/">http://www.books-up.ru/</a>	General subscription of PIMU
3.	Electronic medical library "Doctor's Consultant"	National guidelines in all areas of medicine, clinical guidelines, textbooks, monographs, atlases, pharmaceutical reference books, audio and video materials, ICD-10 and ATC, recent publications in foreign journals with brief annotations in Russian.	from any computer on the Internet, using an individual login and password [Electronic resource] - Access mode: <a href="http://www.rosme">http://www.rosme</a>	General subscription of PIMU

			dlib.ru/	
4.	"Bibliopoisk"	Integrated search service "single window" for electronic catalogs, ELS and full-text databases. The results of a single search in the demo version include documents from domestic and foreign electronic libraries and databases available to the university as part of a subscription, as well as from open access databases.	For PIMU, access to the demo version of the Bibliopoisk search engine is open: <a href="http://bibliosearch.ru/pimu">http://bibliosearch.ru/pimu</a> .	General subscription of PIMU.
5.	Domestic electronic periodicals	Periodicals on medical topics and higher education	- from the computers of the academy on the platform of the electronic library eLIBRARY.RU - magazines publishing house "Mediasphere" - from the computers of the library or provided library at the request of the user [Electronic resource] - Access mode: <a href="https://elibrary.ru/">https://elibrary.ru/</a>	Not limited
6.	International scientometric database "Web of Science Core Collection"	. Web of Science covers materials on natural, technical, social, humanities; takes into account the mutual citation of publications developed and provided by Thomson Reuters; has built-in capabilities for searching, analyzing and managing bibliographic information	Free access from PIMU computers [Electronic resource] - Access to the resource at: <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>	Free access from PIMU computers
7.	Full Text Database of American Publishing Periodicals «Wiley»	Journals rank first in Journal Citation every year  Report and have high impact factors.  The content is represented by more than 1600 titles of scientific journals on	Free access from PIMU computers – Access mode: <a href="http://www.onlinelibrary.wiley.com">www.onlinelibrary.wiley.com</a>	Until December 31, 2021



		various disciplines, incl. in medicine and natural sciences. Chronological coverage: 2015-2019		
8.	EBSCO Medline Complete database	Database - the largest source of full-text medical and biomedical documents indexed in MEDLINE. Includes full texts 2555 the most famous medical journals since 1865: biomedicine, bioengineering, preclinical research, psychology, system healthcare, nutrition, pharmaceuticals, etc.	Free access from PIMU computers – Access mode: <a href="http://www.search.ebscohost.com">www.search.ebscohost.com</a>	Until December 31, 2021
9.	Electronic library of the publishing house "URAIT"	The resource is represented by the latest publications in various fields of knowledge (natural, humanitarian, social sciences, pedagogy, linguistics, etc.).	Free access from PIMU computers – Access mode: <a href="https://biblio-online.ru/">https://biblio-online.ru/</a>	Until December 31, 2021

#### 8.4.3. Open access resources (main ones are indicated)

№	Name of electronic resource	Brief description (content)	Access conditions
1	Federal Electronic Medical Library (FEMB)	Includes electronic analogues of printed publications and original electronic publications that have no analogues recorded on other media (dissertations, abstracts, books, magazines, etc) [Electronic resource] - Access mode: <a href="http://neb.rf/">http://neb.rf/</a>	from any computer on the Internet
2.	Scientific electronic library eLIBRARY.RU	The largest Russian information portal in the field of science, technology, medicine and education, containing abstracts and full texts of scientific articles and publications. [Electronic resource] - Access mode: <a href="https://elibrary.ru/">https://elibrary.ru/</a>	. from any computer on the Internet
3.	Scientific electronic library of open access CyberLeninka	Full texts of scientific articles with annotations published in scientific journals in Russia and neighboring	from any computer on the Internet

		countries. [Electronic resource] - Access mode: <a href="https://cyberleninka.ru/">https://cyberleninka.ru/</a>	
4.	Russian State Library (RSL)	Abstracts for which there are copyright agreements with permission for their open publication [Electronic resource] - Access mode: <a href="http://www.rsl.ru/">http://www.rsl.ru/</a>	from any computer on the Internet
5.	Reference and legal system "Consultant Plus"	Federal and regional legislation, judicial practice, financial advice, legislative comments, etc.  [Electronic resource] - Access mode: <a href="http://www.consultant.ru/">http://www.consultant.ru/</a>	from any computer on the Internet

## 9. Material and technical support for mastering an academic discipline

### 9.1. List of premises for classroom activities for the discipline

1. Lecture room at the Department of Disaster Medicine, ch. building (building No. 1) of the Federal State Budgetary Educational Institution of Higher Education "PIMU" of the Ministry of Health of Russia, building of the BF, morphological, Semashko regional hospital.
2. Training rooms for practical classes, seminars, intermediate certification - in the same place
3. Training room for conducting practical classes in the State Budgetary Healthcare Institution of Public Health NO "Nizhny Novgorod Territorial Center for Disaster Medicine".

### 9.2. List of equipment for classroom activities for the discipline

1. Multimedia complex (laptop, projector, screen).
2. A set of electronic presentations on lecture topics, tables.
3. PC, multimedia visual materials, videos.
4. Video lectures.

### 9.3. A set of licensed and freely distributed software, including domestic production

Item no.	Software	number of licenses	Type of software	Manufacturer	Number in the unified register of Russian software	Contract No. and date
1	Wtware	100	Thin Client Operating System	Kovalev Andrey Alexandrovich	1960	2471/05-18 from 28.05.2018

2	MyOffice is Standard. A corporate user license for educational organizations, with no expiration date, with the right to receive updates for 1 year.	220	Office Application	LLC "NEW CLOUD TECHNOLOGIES"	283	without limitation, with the right to receive updates for 1 year.
3	LibreOffice		Office Application	The Document Foundation	Freely distributed software	
4	Windows 10 Education	700	Operating systems	Microsoft	Azure Dev Tools for Teaching Subscription	
5	Yandex. Browser		Browser	«Yandex»	3722	
6	Subscription to MS Office Pro for 170 PCs for FGBOU VO "PIMU" of the Ministry of Health of Russia	170	Office Application	Microsoft		23618/HN10030 LLC "Softline Trade" from 04.12.2020

## 10 List of changes to the curriculum of the discipline (to be filled out by the template)

Federal State Budgetary Educational Institution of Higher Education "Privolzhsky Research Medical University"  
Ministry of Health of the Russian Federation  
(FSBEI HE "PRMU" of the Ministry of Health of Russia)  
Department of Disaster Medicine

### CHANGE REGISTRATION SHEET curriculum for the academic discipline

#### DISASTER MEDICINE

Field of study / specialty / scientific specialty: \_\_\_\_\_  
(code, name)

Training profile: \_\_\_\_\_  
(name) - for master's degree programs

Mode of study: \_\_\_\_\_  
full-time/mixed attendance mode/extramural

№	Date of the changes	Protocol No.of the department, date	Contents of the changes made	Contributor's signature

Approved at the department meeting

Protocol No. \_\_\_\_ of \_\_\_\_\_ 20\_\_

Head of the Department

\_\_\_\_\_  
 department name,                      academic title signature                      /                      print name