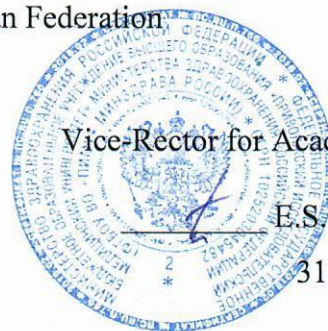


Federal State Budgetary Educational Institution of Higher Education

"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**

**Specialty: 31.05.03 DENTISTRY**

**Graduate qualification: DENTIST**

**Department: DISASTER MEDICINE**

**Mode of study: FULL-TIME**

**Labor intensity of the academic discipline: 180 academic hours**

Nizhny Novgorod

2021

The curriculum was developed in accordance with the Federal State Educational Standard of Higher Education in the specialty 31.05.03 " Dentistry " approved by order of the Ministry of Science and Higher Education of the Russian Federation No. 984 dated August 12, 2020.

**Developers of the curriculum:**

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

**Reviewers:**

1. Tsybusov S.N., MD, Professor, Deputy Director for Innovation and Development of the Nizhny Novgorod Research Institute of Epidemiology and Microbiology. Academician I.N. Blokhina. Rospotrebnadzor.

2. Pozdeeva T.V., MD, Associate Professor, Head of the Department of Economics, Management and Medical Law, Federal State Budgetary Educational Institution of Higher Education "PRMU" of the Ministry of Health of Russia.

The curriculum was reviewed and approved at a meeting of the department (protocol No. \_\_\_\_\_, dated 01 June 2021)


Head of Department,

MD, Associate Professor  (Razgulin S.A.)

(signature)

01 June 2021

AGREED

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

01 June 2021

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 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 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 and 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 harmful and dangerous 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 3 and 11 semester.

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

Jurisprudence. First aid. Hygiene. General Surgery. Radiation diagnostics. Infectious diseases. Epidemiology. Traumatology and Orthopedics. Surgical Diseases. Fundamentals of Urgent Care. Public Health and Healthcare. Faculty Therapy, Occupational Diseases. Nursing. Propaedeutics of Internal Medicine. Urgent Care in Therapy.

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.

Mastering the discipline aims at acquiring the following universal (UC) or/and general professional (GPC) or/and professional (PC) competencies

№	Competence code	The content of the competence (or its part)	Code and name of the competence acquisition metric	As a result of mastering the discipline, the students should:		
				Know	Be able	Possess the skills
1.	UC-8 "Life Safety"	Is 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 Knows: factors of harmful influence on vital activity; Algorithms of actions in case of emergencies and military conflicts;	IUC 8.2 Knows how 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 Has practical experience: participation in planned exercises to develop rules of conduct in case of emergencies, first aid delivery; adheres to workplace safety regulations
2.	GPC-6	Is able to	ID- 1	IGPC 6.1	IGPC 6.2 Is	IGPC-6.3

	<p>"Primary Health Care"</p>	<p>organize patient care, provide primary health care, ensure the organization of work and the adoption of professional decisions in emergency conditions at the prehospital stage, in emergency situations, epidemics and in mass casualty situations</p>	<p>GPC – 6.1 ID – 2 GPC – 6.2 ID – 3 GPC – 6.3</p>	<p>Knows: the methodology for collecting complaints and medical history from patients (their legal representatives); methods of physical examination of patients (examination, palpation, percussion, auscultation); principles and methods of providing medical care to patients in emergencies, in emergency situations, epidemics and in areas of mass destruction in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; clinical signs of major medical emergencies; principles of medical evacuation in emergency situations, epidemics and in the centers of mass destruction;</p>	<p>able to: recognize conditions requiring emergency medical care, including in emergency situations, epidemics and in areas of mass destruction, requiring emergency medical care; organize the work of medical personnel in emergency situations, in emergency situations, epidemics and in the centers of mass destruction; provide emergency medical care to patients in conditions that pose a threat to the life of patients, including clinical death (stopping the vital functions of the human body (blood circulation and (or) respiration)); use medicines and medical devices in the provision of medical care</p>	<p>Has practical experience in: assessing a condition requiring emergency medical care, including in emergency situations, epidemics and in areas of mass destruction; recognition of conditions that pose a threat to life, including the state of clinical death (stopping the vital functions of the human body (blood circulation and (or) respiration), requiring emergency medical care; provision of emergency medical care to patients in conditions that pose a threat to the life of</p>
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				principles of work in the centers of mass destruction; principles of organization of patient care, provision of primary health care	in emergency conditions; perform basic cardiopulmonary resuscitation; use personal protective equipment; organize patient care, provide primary health care	patients, including clinical death (stoppage of vital functions of the human body (blood circulation and (or) respiration); the use of drugs and medical devices in the provision of medical care in emergency conditions and epidemics; use of personal protective equipment; organization of patient care, provision of primary health care
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#### 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
1.		Life Safety Management	
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,

			<p>methods, ways and means of ensuring life safety.</p> <p>Legal basis for ensuring life safety in the Russian Federation.</p> <p>Culture of life safety.</p>
	UC8	National security	<p>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.</p> <p>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.</p> <p>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.</p>
	UC8	Emergency situations. Unified State System for Prevention and Elimination of the Consequences of Emergency Situations	<p>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.</p> <p>Unified State System for Prevention and Elimination of Consequences of Emergency Situations.</p>
	UC8	Population protection in emergency	<p>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 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	Basic principles of organizing medical and psychological support for the population, medical workers and rescuers in emergency situations	Fundamentals of organizing medical and psychological support for the population, medical workers and rescuers in emergency situations The main psychological causes of erroneous actions and the occurrence of dangerous situations Psychotraumatic factors of an emergency; Features of the development of neuropsychiatric disorders in the population and rescuers in emergency situations Organization of medical and psychological assistance to the population, medical workers and rescuers in emergency situations.
	UC8	Safety in medical organizations	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.
	Disaster Medicine		
	GPC- 6	Fundamentals of medical and evacuation support of the population in emergency situations of peacetime and wartime	The essence of the system of medical and evacuation support for the population in emergency situations. Organization of medical triage during medical and 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	Medical and sanitary provision of the

		<p>provision of the population during the liquidation of the consequences of chemical and radiation emergencies..</p>	<p>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>Features 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 emergency situations of a radiation nature. Types of ionizing radiation and their properties. Quantitative assessment of ionizing radiation. Classification and brief description of radiation accidents. The concept of zones of radioactive contamination. Foci of radiation damage. Factors causing injury to people 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	<p>Medical and sanitary provision of the population during the elimination of the consequences of natural disaster, road transport accidents, explosions and fires.</p>	<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 explosions and fires.</p> <p>Organization of medical and sanitary provision of the population during the elimination of the consequences of natural emergencies, road transport accidents, explosion and fires.</p>
	GPC- 6	<p>Sanitary and anti-epidemic (preventive) measures in the aftermath</p>	<p>Fundamentals of organizing and conducting sanitary and anti-epidemic (preventive) measures among the</p>

		of emergency situations	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	asks, 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 ARDMS management.

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

Type of educational work	Labor intensity		Labor intensity (AH) in semesters	
	volume in credit units (CU)	volume in academic hours (AH)	2 semester	10 semester
Classroom work, including	3	108	72	36
Lectures (L)	0,7	24	18	6
Practicum (P)*	2,3	84	54	30
Seminars (S)				
Student's individual work (SIW)	2	72	36	36
Mid-term assessment				
<b>TOTAL LABOR INTENSITY</b>	<b>5</b>	<b>180</b>	<b>108</b>	<b>72</b>

### 6 Content of the academic discipline

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)				
			L	P	S	SIW	Total
1.	3	<b>LIFE SAFETY MANAGEMENT</b>	<b>16</b>	<b>54</b>		<b>36</b>	<b>108</b>
1.1	3	Methodological and legal foundations of Life Safety Management	2	8		5	15
1.2	3	National security	2	8		6	16
1.3	3	Emergencies. Unified State System for Prevention and Elimination of Consequences of Emergency Situations.	2	8		6	16
1.4	3	Populaton protection in.emergency situations	4	12		9	23
1.5	3	Fundamentals of organizing medical and psychological support for the population, medical workers and rescuers in emergency situations	2	4		3	9
1.6	3	Life safety in medical organizations	4	14		9	27
2.		<b>DISASTER MEDICINE</b>	<b>6</b>	<b>30</b>		<b>36</b>	<b>72</b>
2.1	11	Fundamentals of medical evacuation support of the population in emergency situations of peace and wartime	1	10		7	18

2.2	11	Medical and sanitary provision of the population during the liquidation of the consequences of chemical and radiation emergency.	1	12		10	23
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.	1	2		6	9
2.4	11	Sanitary and anti-epidemic (preventive) measures in the aftermath of emergency situations.	1	2		4	7
2.5	11	Organization of medical supplies in emergency situations	1	2		4	7
2.6	11	Tasks, organizational structure and governing bodies of All-Russian Service for Disaster Medicine	1	2		5	8

## 6.2. Thematic schedule of educational work types:

### 6.2.1 Thematic schedule of lectures

№ п/п	Name of lecture topics	Volume in AH	
		2 semester	10 semester
1.	LIFE SAFETY	18	6
1.1	Methodological and legal foundations of human life safety	2	
1.2	National security	4	
1.3	Emergencies. Unified State System for Prevention and Elimination of Consequences of Emergency Situations.	4	
1.4	Protecting a person from harmful and dangerous factors of natural and man-made origin.	4	

1.5	Fundamentals of organizing medical and psychological support for the population, medical workers and rescuers in emergency situations	2	
1.6	Life safety in medical organizations	2	2
2.	DISASTER MEDICINE		
2.1	Fundamentals of medical evacuation support of the population in emergency situations of peace and wartime		1
2.2	Medical and sanitary provision of the population during the liquidation of the consequences of emergency situations of a chemical and radiation nature		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.		2
2.4	Sanitary and anti-epidemic (preventive) measures in the aftermath of emergency situations.		4
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		4
	<b>TOTAL ( AH)</b>	<b>54</b>	<b>30</b>

### 6.2.2. The thematic plan of laboratory practicums ((not provided))

### 6.2.3. Thematic plan of practicals

№ п/п	Name of the topics of practicals	Volume in AH	
		3 semester	11 semester
1.	<b>LIFE SAFETY MANAGEMENT</b>	52	52
1.1	Methodological and legal foundations of Life Safety Management	8	
1.2	National security	8	
1.3	Emergencies. Unified State System for Prevention and Elimination of Consequences of Emergencies	8	
1.4	Population protection in emergency situations	4	
1.5	Fundamentals of organizing medical and psychological support for the population, medical workers and rescuers in emergency situations	2	
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		
2.2	Medical and sanitary provision of the population during the liquidation of the consequences of emergency situations of chemical and radiation nature.		20
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.		6
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		8
	<b>TOTAL ( AH)</b>	<b>52</b>	<b>52</b>

6.5. Thematic plan of seminars. (not provided)

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

№ п/п	Types and topics of student's individual work (SIW)		
		2 semsster	10 semester
1.	<b>LIFE SAETY MANAGEMENT</b>	36	36
1.1	Methodological and legal foundations of human life safety	5	
1.2	National security	5	
1.3	Emergencies. Unified State System for Prevention and Elimination of Consequences of Emergencies	4	
1.4	Population protection in emergency situations	10	
1.5	Fundamentals of organizing medical and psychological support for the population, medical workers and rescuers in emergency situations	2	
1.6	Life safety in medical organizations	10	
2.	<b>DISASTER MEDICINE</b>		
2.1	Fundamentals of medical evacuation support of the population in emergency situations of peace and wartime		10

2.2	Medical and sanitary provision of the population during the liquidation of the consequences of emergency situations of chemical and radiation nature.		13
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.		3
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.		6
	<b>TOTAL (AH)</b>	36	<b>36</b>

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

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



16.	Organizational structure of the All-Russian Disaster Medicine Service at the level of the native subject of the Russian Federation, native region, city.	10
17.	Organization of medical and sanitary provision of the population during the liquidation of the consequences of radiation accidents	10
18.	Medical consequences of radiation accidents. Organization of medical care and protective measures.	10
19.	Anti-radiation agents in medical support of personnel and the population during radiation disasters.	10
20.	Medico-tactical characteristics of chemical disasters. Antidotes and first aid for casualties.	10
21.	Medico-tactical characteristics of natural disasters. Organization of medical response.	10
22.	Characteristics of mechanical factors causing damage in explosive events.	10
23.	Organization of medical and evacuation support for the population in wartime.	10
24.	Medical aspects of biological hazards in emergency zones.	10
25.	Hygiene and epidemiology of peacetime and wartime emergencies.	10

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

№ п/п	№ semester	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	3	Control of the mastering the topic, Control of student's independent work	Methodological and legal foundations of human life safety	Oral quiz MCQ Essay	5 25 1 2	4   45
1.2	3	Control of the mastering the topic, Control of student's independent work	National security	Oral quiz MCQ Essay	5 25 1 2	4   45

1.3	3	Control of the mastering the topic, Control of student's independent work	Emergencies. Unified State System for Prevention and Elimination of Consequences of Emergency Situations.	Oral quiz MCQ Essay	4 25 1 2	4 45
1.4	3	Control of the mastering the topic, Control of student's independent work	Population protection in emergency situations.	Oral quiz MCQ Essay	9 25 1 2	4 45
1.5	3	Control of the mastering the topic, Control of student's independent work	Fundamentals of organizing medical and psychological support for the population, medical workers and rescuers in emergency situations	Oral quiz MCQ Essay	5 25 1 2	4 45
1.6	3	Control of the mastering the topic, Control of student's independent work	Life safety in medical organizations	Oral quiz MCQ Essay	15 25 1 2	4 45
2.			<b>DISASTER MEDICINE</b>			
2.1	11	Control of the mastering the topic, Control of student's independent work	Fundamentals of medical and evacuation support for the population in emergency situations of peacetime and wartime.	Oral quiz MCQ Essay	3 25 1 2	4 45
2.2	11	Control of the mastering the topic, Control of	Medical and sanitary provision of the population during the liquidation of the	Oral quiz MCQ Essay	4 25	4

		student's independent work	consequences of emergency situations of a chemical and radiation nature.		1 3	45
2.3	11	Control of the mastering the topic, Control of student's independent work	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 25 1 3	4 45
2.4	11	Control of the mastering the topic, Control of student's independent work	Sanitary and anti-epidemic (preventive) measures in the aftermath of emergency situations.	Oral quiz MCQ Essay	4 25 1 3	4 45
2.6	11	Control of the mastering the topic, Control of student's independent work	Tasks, organizational structure and governing bodies of the All-Russian Service for Disaster Medicine	Oral quiz MCQ Essay	4 25 1 3	4 45

**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
	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
	Ensuring life safety in healthcare: textbook / ed. MD S.A. Razgulin; 4th ed., add. - Nizhny Novgorod: Publishing	30	500

	house of the Nizhny Novgorod State Medical Academy, 2017. - 296 p.		
	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
	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
	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
	Emergency Medicine. Selected lectures / Ed. B.V. Bobiya, L.A. Apollonova. - M.: GEOTAR-Media, 2013. - 432 p.	2	2
	Disaster medicine: textbook / P. L. Kolesnichenko (and others). -M.: GEOTAR-Media, 2017. – 448p.	2	2
	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
	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
	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	-
	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 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.	30	200
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	30	200

	6. Organization of medical supply in emergency situations. – 40 p.		
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, scientific articles, dissertations, dissertation abstracts, patents	from any computer on the Internet, using an individual login and password [Electronic resource] - Access mode: <a href="http://95.79.46.206/login.php">http://95.79.46.206/login.php</a>	Not limited

##### 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"	Educational literature + additional materials (audio, video, interactive materials, test tasks) for higher medical and pharmaceutical education. Editions are structured by specialties and disciplines in	from any computer on the Internet, using an individual login and password [Electronic	General subscription of PIMU

		<p>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>	<p>resource] - Access mode:<a href="http://www.studmedlib.ru/">http://www.studmedlib.ru/</a></p>	
2.	Electronic library system "Bookup"	Educational and scientific medical literature of Russian publishing houses, incl. translations of foreign publications	<p>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.book-s-up.ru/">http://www.book-s-up.ru/</a></p>	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.	<p>from any computer on the Internet, using an individual login and password [Electronic resource] - Access mode: <a href="http://www.rosmedlib.ru/">http://www.rosmedlib.ru/</a></p>	General subscription of PIMU
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	<p>For PIMU, access to the demo version of the Bibliopoisk search engine is open: <a href="http://bibliosearc">http://bibliosearc</a></p>	General subscription of PIMU.

		of a subscription, as well as from open access databases.	h.ru/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 various disciplines, incl. in medicine and natural sciences.	Free access from PIMU computers – Access mode: <a href="http://www.onlinelibrary.wiley.com">www.onlinelibrary.wiley.com</a>	Until December 31, 2021



		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://bibli-online.ru/">https://bibli-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	. from any computer on the Internet

		mode: <a href="https://elibrary.ru/">https://elibrary.ru/</a>	
3.	Scientific electronic library of open access CyberLeninka	Full texts of scientific articles with annotations published in scientific journals in Russia and neighboring countries. [Electronic resource] - Access mode: <a href="https://cyberleninka.ru/">https://cyberleninka.ru/</a>	from any computer on the Internet
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**

<b>Item</b>	<b>Software</b>	<b>number of</b>	<b>Type of software</b>	<b>Manufacturer</b>	<b>Number in the unified register of</b>	<b>Contract No. and date</b>
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no.		licenses			Russian software	
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