

ЛД-16 ИН

Federal State Budgetary Educational Institution of Higher Education  
«North-Ossetia State Medical Academy»  
of the Ministry of Healthcare of the Russian Federation



**EDUCATIONAL TRAINING PROGRAM OF DISCIPLINE  
«Medicine of Disasters»**

the main professional educational program of higher education - specialty program in the  
specialty 31.05.01 General Medicine, approved in May 24, 2023

Form of education Full-time

The period of development 6

Department of Traumatology and orthopedics

Vladikavkaz, 2023

When developing an educational training program, the discipline is based on:

1. Federal State Educational Standard of Higher Education on specialty 31.05.01 General Medicine, approved by the Ministry of Education and Science of the Russian Federation on February 9, 2016 №95

2. The curriculum of the MPEP FIE in the specialty 31.05.01 Medical care  
ЛД-16-04-18 ИИ,  
ЛД-16-05-19 ИИ,  
ЛД-16-06-20 ИИ, approved by the Academic Council of the Federal State Budgetary Educational Institution of the Ministry of Higher Education NOSMA of the Ministry of Health of the Russian Federation on May 24, 2023, Protocol №. 8

The working program of the discipline was approved at the meeting of the Department of Traumatology and Orthopedics on «22» May 2023, Protocol No 10.

The working program of the discipline was approved at the meeting of the central coordinating educational and Methodological Council on «23» May 2023, Protocol No 5.

The working program of the discipline was approved by the Academic Council  
Federal State Budgetary Educational Institution of the Ministry of Health of the Russian Federation on «24» May 2023, Protocol No8

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### **Content of the work program**

1. name of discipline;
2. the list of planned results of training in the discipline, correlated with the planned results of the development of the educational program;
3. indication of the place of discipline in the structure of the educational program;
4. the volume of discipline in credits indicating the number of academic or astronomical hours allocated for contact work of students with a teacher (by type of training sessions) and for independent work of students;
5. the content of the discipline, structured by topics (sections) with an indication of the allotted number of academic or astronomical hours and types of training sessions;
6. the list of educational and methodological support for independent work of students in the discipline;
7. Fund evaluation tools for interim certification of students in the discipline;
8. the list of basic and additional educational literature necessary for the development of the discipline;
9. the list of resources of the information and telecommunication "Internet" (hereinafter-the "Internet") necessary for the development of the discipline;
10. methodical instructions for students on the development of the discipline;
11. the list of information technologies used in the implementation of the educational process in the discipline, including a list of software and information reference systems (if necessary);
12. description of the material and technical base necessary for the implementation of the educational process in the discipline.
13. Conduct educational activities with the use of e-learning and distance educational technologies

## 2. The list of planned results of training in the discipline and the results of the development of the educational program

№№ п/п	Number/ index of competence	Content of the discipline (or its sections)	The learning outcomes of the		
			know	Can do	own
1	2	3	4	5	6
1.	GCC-7	<p><b>Medicine of Disasters</b></p> <p>bases of ensuring and normative legal base of safety of life activity of the population; the main factors of the habitat influencing activity of the population;</p> <p>the national security concept of the Russian Federation; goals and objectives of health mobilization training; tasks and organizational structure of special formations of health care.</p> <p>tasks and organizational structure of the all-Russian service of disaster medicine (VSMK); medical forces and means designed to provide medical assistance to the affected population in emergency situations;</p> <p>order of interaction of medical units and organizations in liquidation of consequences in emergency situations;</p> <p>bases of the organization of medical supply of the formations and the organizations intended for elimination of consequences of emergency.</p> <p>methodological and legal basis of human life safety;</p> <p>risks associated with the use of modern means of armed struggle;</p>	<p>to carry out their responsibilities when working in the composition of the formations and institutions of service of medicine of catastrophes;</p> <p>carry out basic measures to protect the population, patients, medical personnel and property from damaging factors in emergency situations;</p> <p>identify dangerous and harmful environmental factors affecting the safety of life of the population;</p> <p>identify the main environmental hazards, assess the risk of their implementation;</p> <p>to assess the medical situation in case of emergencies;</p> <p>choose methods of protection against hazards;</p> <p>apply methods of protection against hazards in the course of the doctor's activities;</p> <p>to apply methods of providing comfortable living conditions for patients and medical personnel;</p> <p>follow the rules of labor protection and safety in the implementation of the doctor's activities;</p> <p>ensure compliance with safety and health regulations by subordinate employees;</p>	<p>conceptual and terminological apparatus in the field of human life safety and disaster medicine;</p> <p>proper management of medical records (fill in the primary medical record);</p> <p>methods of evaluation of medical and tactical characteristics of lesions;</p> <p>methods of medical sorting in emergency situations;</p> <p>algorithm for monitoring the implementation of safety rules for medical personnel and patients.</p> <p>proper management of medical records (fill in the primary medical record);</p> <p>the algorithm of preliminary diagnosis followed by referral of the patient to the appropriate medical specialist (functional unit of EME);</p> <p>basic medical diagnostic and therapeutic interventions in providing primary medical health care in emergency and threatening</p> <p>life States of the victims in the lesions in various emergency situations; methods of first aid, first aid and first aid to victims in emergency situations;</p>	

			<p>basic safety of society and the individual;  basic concepts, definition and classification of emergency situations;  striking factors of natural emergencies: earthquakes, floods, other natural disasters;  medical and health consequences of emergencies;  tasks and bases of the organization of the Uniform state system of prevention and liquidation of consequences of emergency situations (RSChS);  the basics of organization, events, and methods of population protection from hazardous factors of natural and technogenic origin;  the basics of life safety in health care organizations;  features of the organization of medical care for children in emergency situations;  features of the organization of medical evacuation measures in the case of modern weapons;  tasks and organizational the main provisions of regulatory legal documents on the organization of medical support of the population in emergency situations of natural, man-made, road transport, explosion and fire;  the order of interaction of the medical units and institutions in the aftermath in the lesions; and medical forces and means intended to provide medical assistance to affected population in emergency situations;</p>	<p>implement measures to protect patients, medical personnel and medical equipment in emergency situations;  to solve practical problems on calculation of allocation of necessary forces and means of service of medicine of catastrophes for rendering emergency medical care of the struck in emergency situations;  determine the need for medical equipment for institutions and formations intended for health care of the population and make applications for its receipt;</p>	<p>the main technical means of individual and medical protection.  methods of medical sorting in emergency situations; methods and methods of evacuation of victims in emergency situations; use methods of medical sorting in emergency situations; methods and methods of evacuation of victims in emergency situations; algorithms of resuscitation and first aid</p>
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			<p>principles of organization of medical-evacuation actions in extreme situations;  features of the organization of medical care in emergency situations and disasters in peacetime and wartime;  methods and means of protection, patients, medical personnel and property of medical organizations in emergency situations;  risks associated with the use of modern means of armed struggle;  definition and classification of emergency situations;  striking factors of emergency situations  the basics of organization, events, and methods of population protection from hazardous factors of natural and technogenic origin;  definition and types of medical care, organization of medical sorting at the stages of medical evacuation;  features of the organization of medical care for children in emergency situations</p>		
2.	PC-3	<b>Medicine of Disasters</b>	<p>bases of ensuring and normative legal base of safety of life activity of the population;  the main factors of the habitat influencing activity of the population;  the national security concept of the Russian Federation;  goals and objectives of health mobilization training;  tasks and organizational structure of special formations of health care.  tasks and organizational structure</p>	<p>to carry out their responsibilities when working in the composition of the formations and institutions of service of medicine of catastrophes;  carry out basic measures to protect the population, patients, medical personnel and property from damaging factors in emergency situations;  identify dangerous and harmful environmental factors affecting the safety of life of the population;</p>	<p>conceptual and terminological apparatus in the field of human life safety and disaster medicine;  proper management of medical records (fill in the primary medical record);  methods of evaluation of medical and tactical characteristics of lesions;  methods of medical sorting in emergency situations;  algorithm for monitoring the implementation of safety rules</p>

			<p>of the all-Russian service of disaster medicine (VSMK); medical forces and means designed to provide medical assistance to the affected population in emergency situations;</p> <p>order of interaction of medical units and organizations in liquidation of consequences in emergency situations;</p> <p>bases of the organization of medical supply of the formations and the organizations intended for elimination of consequences of emergency.</p> <p>methodological and legal basis of human life safety;</p> <p>risks associated with the use of modern means of armed struggle;</p> <p>basic safety of society and the individual;</p> <p>basic concepts, definition and classification of emergency situations;</p> <p>striking factors of natural emergencies: earthquakes, floods, other natural disasters;</p> <p>medical and health consequences of emergencies;</p> <p>tasks and bases of the organization of the Uniform state system of prevention and liquidation of consequences of emergency situations (RSChS);</p> <p>the basics of organization, events, and methods of population protection from hazardous factors of natural and technogenic origin;</p> <p>the basics of life safety in health care organizations;</p> <p>features of the organization of</p>	<p>identify the main environmental hazards, assess the risk of their implementation;</p> <p>to assess the medical situation in case of emergencies;</p> <p>choose methods of protection against hazards;</p> <p>apply methods of protection against hazards in the course of the doctor's activities;</p> <p>to apply methods of providing comfortable living conditions for patients and medical personnel;</p> <p>follow the rules of labor protection and safety in the implementation of the doctor's activities;</p> <p>ensure compliance with safety and health regulations by subordinate employees;</p> <p>implement measures to protect patients, medical personnel and medical equipment in emergency situations;</p> <p>to solve practical problems on calculation of allocation of necessary forces and means of service of medicine of catastrophes for rendering emergency medical care of the struck in emergency situations;</p> <p>determine the need for medical equipment for institutions and formations intended for health care of the population and make applications for its receipt;</p>	<p>for medical personnel and patients.</p> <p>proper management of medical records (fill in the primary medical record);</p> <p>the algorithm of preliminary diagnosis followed by referral of the patient to the appropriate medical specialist (functional unit of EME);</p> <p>basic medical diagnostic and therapeutic interventions in providing primary medical health care in emergency and threatening</p> <p>life States of the victims in the lesions in various emergency situations; methods of first aid, first aid and first aid to victims in emergency situations;</p> <p>the main technical means of individual and medical protection.</p> <p>methods of medical sorting in emergency situations; methods and methods of evacuation of victims in emergency situations; use</p> <p>methods of medical sorting in emergency situations; methods and methods of evacuation of victims in emergency situations; algorithms of resuscitation and first aid</p>
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			<p>medical care for children in emergency situations; features of the organization of medical evacuation measures in the case of modern weapons; tasks and organizational the main provisions of regulatory legal documents on the organization of medical support of the population in emergency situations of natural, man-made, road transport, explosion and fire; the order of interaction of the medical units and institutions in the aftermath in the lesions; and medical forces and means intended to provide medical assistance to affected population in emergency situations; principles of organization of medical-evacuation actions in extreme situations; features of the organization of medical care in emergency situations and disasters in peacetime and wartime; methods and means of protection, patients, medical personnel and property of medical organizations in emergency situations; risks associated with the use of modern means of armed struggle; definition and classification of emergency situations; striking factors of emergency situations the basics of organization, events, and methods of population protection from hazardous factors of natural and technogenic origin; definition and types of medical</p>		
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			care, organization of medical sorting at the stages of medical evacuation; features of the organization of medical care for children in emergency situations		
3.	PC-13	<b>Medicine of Disasters</b>	<p>bases of ensuring and normative legal base of safety of life activity of the population; the main factors of the habitat influencing activity of the population; the national security concept of the Russian Federation; goals and objectives of health mobilization training; tasks and organizational structure of special formations of health care.</p> <p>tasks and organizational structure of the all-Russian service of disaster medicine (VSMK); medical forces and means designed to provide medical assistance to the affected population in emergency situations; order of interaction of medical units and organizations in liquidation of consequences in emergency situations; bases of the organization of medical supply of the formations and the organizations intended for elimination of consequences of emergency.</p> <p>methodological and legal basis of human life safety; risks associated with the use of modern means of armed struggle; basic safety of society and the individual; basic concepts, definition and</p>	<p>to carry out their responsibilities when working in the composition of the formations and institutions of service of medicine of catastrophes; carry out basic measures to protect the population, patients, medical personnel and property from damaging factors in emergency situations; identify dangerous and harmful environmental factors affecting the safety of life of the population; identify the main environmental hazards, assess the risk of their implementation; to assess the medical situation in case of emergencies; choose methods of protection against hazards; apply methods of protection against hazards in the course of the doctor's activities; to apply methods of providing comfortable living conditions for patients and medical personnel; follow the rules of labor protection and safety in the implementation of the doctor's activities; ensure compliance with safety and health regulations by subordinate employees; implement measures to protect patients, medical personnel and medical equipment in emergency</p>	<p>conceptual and terminological apparatus in the field of human life safety and disaster medicine; proper management of medical records (fill in the primary medical record); methods of evaluation of medical and tactical characteristics of lesions; methods of medical sorting in emergency situations; algorithm for monitoring the implementation of safety rules for medical personnel and patients. proper management of medical records (fill in the primary medical record); the algorithm of preliminary diagnosis followed by referral of the patient to the appropriate medical specialist (functional unit of EME); basic medical diagnostic and therapeutic interventions in providing primary medical health care in emergency and threatening life States of the victims in the lesions in various emergency situations; methods of first aid, first aid and first aid to victims in emergency situations; the main technical means of individual and medical protection.</p>

			<p>classification of emergency situations;  striking factors of natural emergencies: earthquakes, floods, other natural disasters;  medical and health consequences of emergencies;  tasks and bases of the organization of the Uniform state system of prevention and liquidation of consequences of emergency situations (RSChS);  the basics of organization, events, and methods of population protection from hazardous factors of natural and technogenic origin;  the basics of life safety in health care organizations;  features of the organization of medical care for children in emergency situations;  features of the organization of medical evacuation measures in the case of modern weapons;  tasks and organizational the main provisions of regulatory legal documents on the organization of medical support of the population in emergency situations of natural, man-made, road transport, explosion and fire;  the order of interaction of the medical units and institutions in the aftermath in the lesions; and medical forces and means intended to provide medical assistance to affected population in emergency situations;  principles of organization of medical-evacuation actions in extreme situations;</p>	<p>situations;  to solve practical problems on calculation of allocation of necessary forces and means of service of medicine of catastrophes for rendering emergency medical care of the struck in emergency situations;  determine the need for medical equipment for institutions and formations intended for health care of the population and make applications for its receipt;</p>	<p>methods of medical sorting in emergency situations; methods and methods of evacuation of victims in emergency situations; use methods of medical sorting in emergency situations; methods and methods of evacuation of victims in emergency situations; algorithms of resuscitation and first aid</p>
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			<p>features of the organization of medical care in emergency situations and disasters in peacetime and wartime;  methods and means of protection, patients, medical personnel and property of medical organizations in emergency situations;  risks associated with the use of modern means of armed struggle;  definition and classification of emergency situations;  striking factors of emergency situations  the basics of organization, events, and methods of population protection from hazardous factors of natural and technogenic origin;  definition and types of medical care, organization of medical sorting at the stages of medical evacuation;  features of the organization of medical care for children in emergency situations</p>		
4.	PC-19	<b>Medicine of Disasters</b>	<p>bases of ensuring and normative legal base of safety of life activity of the population;  the main factors of the habitat influencing activity of the population;  the national security concept of the Russian Federation;  goals and objectives of health mobilization training;  tasks and organizational structure of special formations of health care.  tasks and organizational structure of the all-Russian service of disaster medicine (VSMK);  medical forces and means</p>	<p>to carry out their responsibilities when working in the composition of the formations and institutions of service of medicine of catastrophes;  carry out basic measures to protect the population, patients, medical personnel and property from damaging factors in emergency situations;  identify dangerous and harmful environmental factors affecting the safety of life of the population;  identify the main environmental hazards, assess the risk of their implementation;</p>	<p>conceptual and terminological apparatus in the field of human life safety and disaster medicine;  proper management of medical records (fill in the primary medical record);  methods of evaluation of medical and tactical characteristics of lesions;  methods of medical sorting in emergency situations;  algorithm for monitoring the implementation of safety rules for medical personnel and patients.  proper management of medical</p>

			<p>designed to provide medical assistance to the affected population in emergency situations;</p> <p>order of interaction of medical units and organizations in liquidation of consequences in emergency situations;</p> <p>bases of the organization of medical supply of the formations and the organizations intended for elimination of consequences of emergency.</p> <p>methodological and legal basis of human life safety;</p> <p>risks associated with the use of modern means of armed struggle;</p> <p>basic safety of society and the individual;</p> <p>basic concepts, definition and classification of emergency situations;</p> <p>striking factors of natural emergencies: earthquakes, floods, other natural disasters;</p> <p>medical and health consequences of emergencies;</p> <p>tasks and bases of the organization of the Uniform state system of prevention and liquidation of consequences of emergency situations (RSCoS);</p> <p>the basics of organization, events, and methods of population protection from hazardous factors of natural and technogenic origin;</p> <p>the basics of life safety in health care organizations;</p> <p>features of the organization of medical care for children in emergency situations;</p> <p>features of the organization of</p>	<p>to assess the medical situation in case of emergencies;</p> <p>choose methods of protection against hazards;</p> <p>apply methods of protection against hazards in the course of the doctor's activities;</p> <p>to apply methods of providing comfortable living conditions for patients and medical personnel;</p> <p>follow the rules of labor protection and safety in the implementation of the doctor's activities;</p> <p>ensure compliance with safety and health regulations by subordinate employees;</p> <p>implement measures to protect patients, medical personnel and medical equipment in emergency situations;</p> <p>to solve practical problems on calculation of allocation of necessary forces and means of service of medicine of catastrophes for rendering emergency medical care of the struck in emergency situations;</p> <p>determine the need for medical equipment for institutions and formations intended for health care of the population and make applications for its receipt;</p>	<p>records (fill in the primary medical record);</p> <p>the algorithm of preliminary diagnosis followed by referral of the patient to the appropriate medical specialist (functional unit of EME);</p> <p>basic medical diagnostic and therapeutic interventions in providing primary medical health care in emergency and threatening</p> <p>life States of the victims in the lesions in various emergency situations; methods of first aid, first aid and first aid to victims in emergency situations;</p> <p>the main technical means of individual and medical protection.</p> <p>methods of medical sorting in emergency situations; methods and methods of evacuation of victims in emergency situations; use</p> <p>methods of medical sorting in emergency situations; methods and methods of evacuation of victims in emergency situations; algorithms of resuscitation and first aid</p>
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			<p>medical evacuation measures in the case of modern weapons; tasks and organizational the main provisions of regulatory legal documents on the organization of medical support of the population in emergency situations of natural, man-made, road transport, explosion and fire; the order of interaction of the medical units and institutions in the aftermath in the lesions; and medical forces and means intended to provide medical assistance to affected population in emergency situations; principles of organization of medical-evacuation actions in extreme situations; features of the organization of medical care in emergency situations and disasters in peacetime and wartime; methods and means of protection, patients, medical personnel and property of medical organizations in emergency situations; risks associated with the use of modern means of armed struggle; definition and classification of emergency situations; striking factors of emergency situations the basics of organization, events, and methods of population protection from hazardous factors of natural and technogenic origin; definition and types of medical care, organization of medical sorting at the stages of medical evacuation;</p>		
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			features of the organization of medical care for children in emergency situations		
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### 3. Place of discipline in the structure of the educational program

Discipline "Life Safety" refers to the basic part Of the unit 1 of the Federal STATE Educational Standard of Higher Education 31.05.01. «General medicine.» Types of professional activity, which are the basis of teaching this discipline:

1. medical;
2. organizational and managerial
3. research and development

### 4. The amount of discipline

№ № п/п	Kind of work	Total credits	Total hours	Semester	
				12	
				hours	
1	2	3	4	5	
<b>1</b>	<b>Contact work of students with teacher (total), including:</b>	-	50	50	
2	Lectures (L)	-	10	10	
3	Practical training (Pt)	-	40	40	
4	Seminars (S)				
5	Laboratory work (LW)				
<b>6</b>	<b>Independent work of the student (IWS)</b>	-	22	22	
<b>7</b>	<b>Type of intermediate certifications</b>	+	+	+	+
<b>8</b>	<b>Total: laboriousness</b>	<b>72</b>	<b>72</b>	<b>72</b>	
		<b>2</b>	<b>2</b>	<b>2</b>	

### 5. Content of the discipline

№/п	№ semester	Name of the topic (section) of the discipline	Types of training activities (in hours)				Forms of current performance monitoring
			L	PT	IWS	Total	
1	2	3	4	5	6	7	8
1	12	Tasks, organizational structure and management bodies of the All-Russian Disaster Medicine Service.	1	2	1	4	I, T, St
2	12	Fundamentals of medical evacuation provision of the population in emergency situations of peacetime and wartime.	-	2	1	3	I, T, St

3	12	Features of medical and sanitary provision in the aftermath of natural and man-made emergencies.	1	2	1	4	I, T, St
4	12	Sanitary and anti-epidemic (preventive) measures for the elimination of the consequences of emergency situations.	1	2	1	4	I, T, St
5	12	Preparation and organization of work of medical and preventive institutions in emergency situations.	1	2	1	4	I, T, St
6	12	Fundamentals of the organization of medical supplies, medical and psychological support of the population, medical workers and rescuers in emergency situations.	1	2	1	4	I, T, St
7	12	Medical Service of the Armed Forces of the Russian Federation in emergency situations. Organization of medical support for the population in local armed conflicts.	1	2	1	4	I, T, St
8	<b>12</b>	Introduction to emergency toxicology. Medical and tactical characteristics of lesions with toxic and hazardous chemicals. Toxic chemicals of nerve-paralytic, cytotoxic, general poisonous, pulmonotoxic action, causing transient disorders of human health and performance, toxic technical liquids	3	10	5	18	I, T, St
9	<b>12</b>	Introduction to Radiobiology. Fundamentals of the biological action of ionizing radiation. Medical and tactical characteristics of lesions in accidents at nuclear power plants. Medical means of prevention and assistance in chemical and radiation injuries.	1	6	5	12	I, T, St
10	<b>12</b>	Technical means of individual protection.	-	2	1	3	I, T, St
11	<b>12</b>	Means and methods of chemical exploration and control. Fundamentals of chemical situation assessment.	-	2	1	3	I, T, St
12	<b>12</b>	Organization and conduct of radiation exploration and control. Fundamentals of radiation situation assessment.	-	2	1	3	I, T, St



13	12	Organization and carrying out of special treatment in the hearth and at the stages of medical evacuation.	-	2	1	3	I, T, St
14	12	Protection of the population and rescuers in emergency situations of peacetime and wartime, module on the block med. Cat.	-	2	1	3	I, T, St
<b>ИТОГО:</b>			<b>10</b>	<b>40</b>	<b>22</b>	<b>72</b>	<b>test</b>

Note: I-interview, T-tests, St-situational tasks

**6. The list of educational and methodological support for independent work of students in the discipline**

№/п	№ semester	The name of the educational-methodical development
1.	3	Dzatseeva D.V. Methodical development First aid for injuries.
2.	3	Dzatseeva D.V. Methodical development Bleeding
3.	3	Dzatseeva D.V. Methodical development Combustions, frostbites
4.	3	Dzatseeva D.V. Methodical development Первая помощь при ДТП
5.	3	Sabaev S.S., Dzatseeva D.V. Methodical development First aid for fractures and dislocations. Transport immobilization.

**6. Fund evaluation tools for interim certification of students in the discipline**

7.

№/п	List of competences	№ semester	Indicator assessments	Evaluation criterion(s)	Grading scale	Name ФОС
1	2	3	4	5	6	7
1	GCC-7 PC-3 PC-13 PC-19	12	Look the standard of education quality assessment, approved by order NOSMA 10.07.2018г., №264/o	Look the standard of education quality assessment, approved by order NOSMA 10.07.2018г., №264/o	Look the standard of education quality assessment, approved by order NOSMA 10.07.2018г., №264/o	tickets to the module; tests; Situational challenges

**6. The list of basic and additional educational literature necessary for the development of the discipline**

п/№	name	Authors	year , place of issue	The amount of exemplars	
				in library	on department
1	2	3	4	5	6
<b>Basic literature</b>					
1.	Life safety. Safety in emergency situations of natural and man-made: Studies. benefit	V. A. Akimov, and others.	М.: Абрис, 2012.	«Student consultant» <a href="http://www.studmedlib.ru/book/ISBN9785437200490.html">http://www.studmedlib.ru/book/ISBN9785437200490.html</a>	

2.	First aid for injuries and diseases	Demichev S. V.	М.: ГЭОТАР- Медиа, 2011	5	-
				«Student consultant» <a href="http://www.studmedlib.ru/book/ISBN9785970417744.html">http://www.studmedlib.ru/book/ISBN9785970417744.html</a>	
3.	Disaster medicine. Theory and practice: studies. benefit.	Koshelev A.A.	СПб. : ЭЛБИ- СПб, 2006	22	-
4.	Military field surgery of local wars and armed conflicts	E. K. Gumanenko, I. M. Samokhina	М. : ГЭОТАР- Медиа, 2011.	«Student consultant» <a href="http://www.studmedlib.ru/book/ISBN9785970419014.html">http://www.studmedlib.ru/book/ISBN9785970419014.html</a>	
5.	Military toxicology, radiobiology and medical protection: textbook	Kutsenko S. A.	СПб.: Фолиант, 2004	25	-
6.	Disaster medicine. Course of lectures: studies. benefit	Levchuk I. P., Tretyakov N. V.	М. : ГЭОТАР- Медиа, 2012, 2013, 2015	29	-
				27	«Student consultant» <a href="http://www.studmedlib.ru/book/ISBN9785970433478.html">http://www.studmedlib.ru/book/ISBN9785970433478.html</a>
7.	Organization and provision of medical assistance to the population in emergency situations : studies. benefit	Zhilyaev E. G.	М. : ФГУП, 2001. - 320 с.	70	-
8.	Organization of medical care in emergency situations: studies. benefit	V. I. Sakhno et al.	СПб. : Фолиант, 2003	29	-
9.	Disaster medicine:	Rogozina I. V.	М. : ГЭОТАР- Медиа, 2014, 2015	3	-
				«Student consultant» <a href="http://www.studmedlib.ru/book/ISBN9785970429365.html">http://www.studmedlib.ru/book/ISBN9785970429365.html</a>	
10.	Life safety: studies. benefit	Hvan, TA, Hvan, PA.	Ростов н/Д : Феникс, 2014	90	-
11.	Military field surgery: textbook	Gumanenko E. K.	М. : ГЭОТАР- Медиа, 2012, 2015.	200	-
				«Student consultant» <a href="http://www.studmedlib.ru/book/ISBN9785970431993.html">http://www.studmedlib.ru/book/ISBN9785970431993.html</a>	
<b>Additional literature</b>					
1.	Life safety: textbook	I. P. Levchuk	М.: ГЭОТАР- Медиа, 2016	1	-
2.	Medical assistance in case of disasters: textbook	Musalatov Kh. A.	М. : Медицина, 1994.	6	-
3.	Safety and protection of	Kruchek. N.A.,. V.	М. : НЦ	5	-

	the population in emergency situations: studies.-method. manual for conducting classes with the population	N Latchook	ЭНАС, 2001		
4.	Anesthesia and resuscitation in the emergency medicine	Slepushkin V. D., Selivanov V. A.	Владикавказ : ИПШ им. В. Гассиева, 2005	10	2
5.	Radiation hygiene: a textbook	Ilyin L. A., Kirillov V. V., Korenkov I. P	М. : ГЭОТАР-Медиа, 2010	11	-
				«Student consultant» <a href="http://www.studmedlib.ru/book/ISBN9785970414835.html">http://www.studmedlib.ru/book/ISBN9785970414835.html</a>	
6.	Combat damage in local wars. Trauma of the brain, auditory and vestibular system in explosions (etiology, pathogenesis, clinic, diagnosis, treatment).		СПб. : ЭЛБИ-СПб, 2001	1	-
7.	Emergency toxicology	Afanas'ev V. V.	М. : ГЭОТАР-Медиа, 2010	«Student consultant» <a href="http://www.studmedlib.ru/book/ISBN9785970418345.html">http://www.studmedlib.ru/book/ISBN9785970418345.html</a>	
8.	Safety and protection of the population in emergency situations: a textbook for the population	Kirillov G. N.	М. : НЦ ЭНАС, 2003	5	-
9.	Explosive destruction: a manual for physicians and students	Nechaev, E. A.	СПб. : Фолиант, 2002	13	-
10.	Organization of elimination of health consequences of biological, chemical and radiation terrorist acts: practical guide	Onishchenko G. G.	М. : ФГУ "ВЦМК "Защита", 2005. - 328 с.	1	-
11.	Emergencies and epidemic foci: method. benefit	Otarava B.I.	Владикавказ , 2008	13	-
12.	Organization of sanitary-hygienic and anti-epidemic measures in emergency situations at the present stage	A. A. Shaposhnikov, A. F. Karniz	М. : ВУНМЦ, 1999.	1	-
13.	Sanitary and epidemiological supervision: studies. manual for doctors	Shaposhnikov A. A., Butaev T. M., Lukicheva T. A.	М. : Гигиена, 2010	9	
14.	The organization and tactics of medical service : a tutorial	Shelepov A. M., Kostenko L. M., Babenko O.	СПб. : Фолиант, 2005	41	-
15.	Emergency medical care	Vertkin A. L.	М. : ГЭОТАР-Медиа, 2007, 2012	2	-
				«Student consultant» <a href="http://www.studmedlib.ru/book/ISBN9785970405222.html">http://www.studmedlib.ru/book/ISBN9785970405222.html</a>	

16.	Military epidemiology: anti-epidemic support in wartime and emergency situations: studies. benefit	Yushchuk N. D., March, Yu.	М. : ВЕДИ-, 2007	7	-
17.	Electrical safety in the physiotherapy Department	Podolsky, M. A.	М. : ГЭОТАР-Медиа, 2014	<a href="http://www.studmedlib.ru/book/06-COS-2390.html">http://www.studmedlib.ru/book/06-COS-2390.html</a>	
18.	Life safety. Industrial and environmental safety, safety in man-made emergencies. Course of lectures	Kalygin V., Bondar V., Dedeyan R. I.	М. : КолосС, 2013	<a href="http://www.studmedlib.ru/book/ISBN5953202210.html">http://www.studmedlib.ru/book/ISBN5953202210.html</a>	
19.	Occupational safety and health: a guide for physicians	ред. А.Г.КНrupachev	М. : ГЭОТАР-Медиа, 2012.	<a href="http://www.studmedlib.ru/book/06-COS-2349.html">http://www.studmedlib.ru/book/06-COS-2349.html</a>	
20.	Occupational health: a textbook	ред. N.F. Izmerov	М. : ГЭОТАР-Медиа, 2010	<a href="http://www.studmedlib.ru/book/ISBN9785970415931.html">http://www.studmedlib.ru/book/ISBN9785970415931.html</a>	
				30	-
21.	Military field surgery: hands. to practical. classes	ред. M.V. Lysenko	М. : ГЭОТАР-Медиа, 2010	<a href="http://www.studmedlib.ru/book/ISBN9785970413111.html">http://www.studmedlib.ru/book/ISBN9785970413111.html</a>	
22.	Workshop on military surgery: studies. benefit	ред. E.K. Gumanenko	М. : ГЭОТАР-Медиа, 2008	<a href="http://www.studmedlib.ru/book/ISBN9785970406281.html">http://www.studmedlib.ru/book/ISBN9785970406281.html</a>	
23.	Surgical diseases and injuries in General medical practice: studies. benefit	Sukovatih B.S. Sumin S. A., Gorshunova N.K.	М. : ГЭОТАР-Медиа, 2008	<a href="http://www.studmedlib.ru/book/ISBN9785970408797.html">http://www.studmedlib.ru/book/ISBN9785970408797.html</a>	
24.	Practical skills for the medical graduate of the medical University	S.A. Bulatov и др.	Казань : Казанский ГМУ	<a href="http://www.studmedlib.ru/book/skills-3.html">http://www.studmedlib.ru/book/skills-3.html</a>	
25.	Emergency medical care at the prehospital stage [Electronic resource]: textbook	ред. A.L. Vertkin	М. : ГЭОТАР-Медиа, 2016	<a href="http://www.studmedlib.ru/book/ISBN9785970435793.html">http://www.studmedlib.ru/book/ISBN9785970435793.html</a>	

## 9. The list of resources of information and telecommunication network "Internet", necessary for the development of the discipline

1. «Student consultant» <http://www.studmedlib.ru>

2. Providing medical care:

<http://www.rspor.ru/index.php?mod1=standarts3&mod2=db1>

<http://www.vcmk.ru>

3. RUSSIAN PUBLIC ORGANIZATION

SPECIALISTS IN THE FIELD OF DISASTER MEDICINE

<http://www.vcmk.ru/oomk/>

[http://www.vcmk.ru/docs/metod\\_recomen/mr\\_rek\\_2016.pdf](http://www.vcmk.ru/docs/metod_recomen/mr_rek_2016.pdf)

4. Russian education Federal portal <http://www.edu.ru>

5. Catalogue of medical documents <http://www.infamed.com/katalog/>

6. Medfind.ru – medical reference and search system -<http://medfind.ru/>

7. Scientific electronic library eLIBRARY.RU -<http://elibrary.ru/defaultx.asp>

8. Guide to medical resources on the Internet [http://www.nlr.ru/res/inv/ic\\_med/index.php](http://www.nlr.ru/res/inv/ic_med/index.php)

9. World health organisation <http://www.who.int/ru/>

## 10. Methodical instructions for students on the development of the discipline

Training consists (72 hours) of classroom training(50 hours), including a lecture course 10 hours and practical classes 40 hours, and independent work (22h.). The main training time is allocated for practical work on the assimilation of theoretical knowledge, the acquisition of practical skills and abilities.

In the study of the discipline it is necessary to use the entire resource of the main and additional educational literature, lecture material, visual AIDS and demonstration materials and to master the practical skills and abilities acquired in the course of working with demonstration visual AIDS, phantoms and solving situational problems.

Practical classes are held in the form of seminars, classroom work with personal protective equipment, phantoms, demonstrations, use of visual AIDS, diagrams, solving situational problems, answers to test tasks.

According to the Federal STATE Educational Standard of Higher Education in the educational process are widely used active and interactive forms of training (developing and problem training in the form of modular training, discussions with brainstorming and without it). The share of classes held in interactive forms is not less than 20% of classroom classes.

Independent work of students implies preparation for practical classes, entrance, current, intermediate final controls and includes individual and homework with visual materials, educational basic and additional literature, Internet resources, solving situational problems, writing abstracts, preparing presentations, etc.

Work with educational literature is considered as a type of educational work on the discipline of life safety, disaster medicine and is performed within the hours allotted for its study ( IWS).

Each student is provided with access to the library collections of the Academy and the Department.

For each section of the discipline developed guidelines for students in all sections of the discipline in the electronic database of the Department.

During the study of the discipline, students independently carry out transport immobilization, solve situational problems, draw up a workbook and submit the results of the work performed for the signature of the teacher.

Writing an essay contributes to the formation of General cultural, General professional and professional skills.

Students work in a group creates a sense of teamwork and interpersonal skills.

## 11. The list of information technologies used in the implementation of the educational process in the discipline

Semester	Occupation L, PT, IWS	Educational technologies used (active, interactive)	amount of hours	% classes in interactive form	List of software
3	L	Set of slides, videos, educational films for a traditional lecture	18	20	Microsoft Office, PowerPoint; Internet

					Explorer
3	PT	A set of questions and tasks for a practical task, a set of situational tasks for CS, a set of case histories for the analysis of clinical cases.	36	20	Microsoft Office, PowerPoint; Internet Explorer
3	IWS	Questions and tasks for independent work, subject of presentations	18	-	Microsoft Office, PowerPoint; Internet Explorer

**12. Description of the material and technical base necessary for the implementation of the educational process in the discipline**

**In the implementation of the educational program for the study of the discipline "life Safety" are used:**

- study rooms for students,
- multimedia complex (laptop, projector, screen);
- personal computer, computer class;
- slide sets, tables/multimedia visual AIDS
- materials on various sections of the discipline;
- situational challenges;
- wood boards.
- lectures are provided with a projector, laptop, screen for demonstrations of multimedia presentations developed in the program Power Point.

<b>no./</b>	<b>equipment Name</b>	<b>Quantity</b>	<b>Technical condition</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>
<b>Special equipment</b>			
	<b>Computer</b>	<b>3</b>	satisfy.
	<b>Laptop</b>	<b>2</b>	satisfy.
	<b>The projector</b>	<b>2</b>	satisfy.
	<b>Copying equipment</b>	<b>2</b>	satisfy.
<b>Dummies</b>			
	<b>Anatomical model of the hip</b>	<b>1</b>	satisfy.
	<b>Anatomical model of the wrist / hand</b>	<b>1</b>	satisfy.

	<b>Anatomical model of the knee</b>	<b>1</b>	satisfy.
	<b>Anatomical model elbow</b>	<b>1</b>	satisfy.
	<b>Anatomical model shoulder</b>	<b>1</b>	satisfy.
	<b>Anatomical model of the foot/ankle</b>	<b>1</b>	satisfy.
	<b>Functional anatomical model of the knee joint</b>	<b>1</b>	satisfy.
<b>Trainer</b>			
	<b>Complex-simulator KTNP-01 - "ELTEK"</b>	<b>1</b>	<b>satisfy.</b>

### **13. Conduct educational activities with the use of e-learning and distance educational technologies**

In conditions of introduction of restrictive measures (quarantine) associated with an unfavorable epidemiological situation, the threat of the spread of a new coronavirus infection, and other force majeure events that do not allow conducting training sessions in person, it is possible to study this discipline or part of it using e-learning and distance education technologies.

Teaching the discipline in the above situations will be carried out through the development of an electronic course with access to video lectures and interactive course materials: presentations, articles, additional materials, tests and various tasks. When conducting training sessions, current monitoring of academic performance, as well as intermediate certification of students, the Academy's electronic information and educational environment platforms and/or other e-learning systems recommended for use in the Academy can be used, such as Moodle, Zoom, Webinar etc.

Lectures can be presented in the form of audio, video files, "live lectures", etc. Seminars and practical classes can be held on-line in both synchronous and asynchronous modes. Seminars can be held in the form of web conferences.

