

ЛД-21 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 for the specialty 31.05.01 General medicine, approved by the Ministry of education and science of the Russian Federation "12" August 2020 No. 988

2. The curriculum of the MPEP FIE in the specialty 31.05.01 Medical care

ЛД-21-01-21ИИ,

ЛД-21-02-22ИИ,

ЛД-21-03-23ИИ, 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. 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	Номер/ индекс компетенции	Содержание компетенции (или ее части)	Тема занятия (раздела)	Индикаторы достижения компетенций	Результаты освоения		
					знать	уметь	владеть
1	2	3	4	5	6	7	8
1.	UC-8 Life safety	Is able to create and maintain safe living conditions in everyday life and in professional activities for the preservation of the natural environment, ensuring sustainable development of society, including in the event of a threat and occurrence of emergencies and military conflicts	Medicine of disasters	ID-1 UC-8 Identifies emergency and dangerous situations.. ID-2 UC-8 Uses means of individual and collective protection and first aid. ID-3 UC-8 Provides first aid to victims. ID-4 UC-8 Complies with safety regulations.	fundamentals of ensuring and regulatory framework for the safety of life of the population; the main environmental factors affecting the life of the population; the concept of national security of the Russian Federation; goals and objectives of health mobilization training; tasks and organizational structure of special health units. medical forces and facilities designed to provide medical assistance to the affected population in emergency situations; the order of interaction of medical units and organizations in the elimination of consequences in emergency situations; fundamentals of the organization of medical supply of formations and organizations designed to eliminate the consequences of an emergency.	perform their functional duties when working as part of formations and institutions; 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 the population; identify the main environmental hazards, assess the risk of their implementation; assess the medical situation in emergency situations; choose methods of protection against dangerous factors; apply methods of protection against hazards in the course of a doctor's activity; apply methods to ensure comfortable living conditions for patients and medical personnel; observe the rules of occupational health and safety when carrying out	conceptual and terminological apparatus in the field of human life safety; proper maintenance of medical records (fill out the primary medical record); the main medical diagnostic and therapeutic measures for the provision of primary medical and sanitary care in urgent and life-threatening conditions to victims in lesions in various emergency situations; methods of providing first, pre-medical and first medical care to victims in emergency situations; methods of assessing the medical and tactical characteristics of lesions; methods of sanitary treatment in case of emergency; the main technical means of individual and medical protection. methods of medical triage in emergency situations; methods and methods of evacuation of victims in emergency situations; methods of application of antidote and radioprotective agents in the scope of first aid;

				<p>methodological and legal foundations of human life safety;  risks associated with the use of modern means of armed struggle;  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;  medical and health consequences of emergencies;  tasks and fundamentals of the organization of the Unified State System of prevention and liquidation of consequences of emergency situations (RSChS);  fundamentals of organization, measures and methods of protecting the population from natural and man-made hazards;  fundamentals of life safety in medical organizations;  features of the organization of medical evacuation measures in the case of the use of modern weapons;  the main provisions of regulatory legal</p>	<p>the activities of a doctor;  ensure compliance with occupational health and safety regulations by subordinate employees;  implement measures to protect patients, medical personnel and medical property in emergency situations;  make a preliminary diagnosis;  provide first aid in case of emergency, primary pre-medical and medical health care to victims in emergency situations;  carry out basic measures to protect the population, patients, medical personnel and property from damaging factors in emergency situations;  use medical protective equipment;  to carry out sanitary and hygienic and anti-epidemic measures in the lesions;  identify dangerous and harmful environmental factors affecting the safety of the population;  assess the chemical and radiation situation in emergency situations;  use medical and other types of property that are provided by formations and institutions of the medical service to identify the main environmental hazards,  assess the risk of their</p>	
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					documents on the organization of medical support of the population in emergency situations of natural, man-made, road transport, explosive and fire-hazardous nature; the order of interaction of medical units and institutions in the elimination of consequences in the lesions;	implementation; assess the medical situation in emergency situations; choose methods of protection against dangerous factors; determine the scope and type of medical care depending on the medical situation; determine the need for medical equipment for institutions and formations intended for medical and sanitary provision of the population and make applications for its receipt;	
2.	GCC -6 Primary health care	He is able to organize patient care, provide primary health care, ensure the organization of work and professional decision-making in urgent conditions at the pre-hospital stage, in emergency situations, epidemics and in the centers of mass destruction	Medicine of disasters	ID-2 GCC-6 Has an algorithm for providing primary health care for emergency conditions at the prehospital stage ID-3 GCC -6 Owns the algorithm of first aid in emergency situations ID-4 GCC -6 Owns the algorithm for providing primary health care in epidemics ID-5 GCC -6 Owns the algorithm for providing primary health care in the	fundamentals of ensuring and regulatory framework for the safety of life of the population; the main environmental factors affecting the life of the population; the concept of national security of the Russian Federation; goals and objectives of health mobilization training; tasks and organizational structure of special health units. medical forces and facilities designed to provide medical assistance to the affected population in emergency situations; the order of interaction of medical units and organizations in the	perform their functional duties when working as part of formations and institutions; 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 the population; identify the main environmental hazards, assess the risk of their implementation; assess the medical situation in emergency situations; choose methods of protection against dangerous factors; apply methods of	conceptual and terminological apparatus in the field of human life safety; proper maintenance of medical records (fill out the primary medical record); the main medical diagnostic and therapeutic measures for the provision of primary medical and sanitary care in urgent and life-threatening conditions to victims in lesions in various emergency situations; methods of providing first, pre-medical and first medical care to victims in emergency situations; methods of assessing the medical and tactical characteristics of lesions; methods of sanitary treatment in case of emergency; the main technical means of individual and medical protection. methods of medical triage in emergency situations; methods and

				<p>centers of mass destruction</p>	<p>elimination of consequences in emergency situations; fundamentals of the organization of medical supply of formations and organizations designed to eliminate the consequences of an emergency. methodological and legal foundations of human life safety; risks associated with the use of modern means of armed struggle; 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; medical and health consequences of emergencies; tasks and fundamentals of the organization of the Unified State System of prevention and liquidation of consequences of emergency situations (RChS); fundamentals of organization, measures and methods of protecting the population from natural and man-made hazards;</p>	<p>protection against hazards in the course of a doctor's activity; apply methods to ensure comfortable living conditions for patients and medical personnel; observe the rules of occupational health and safety when carrying out the activities of a doctor; ensure compliance with occupational health and safety regulations by subordinate employees; implement measures to protect patients, medical personnel and medical property in emergency situations; make a preliminary diagnosis; provide first aid in case of emergency, primary pre-medical and medical health care to victims in emergency situations; carry out basic measures to protect the population, patients, medical personnel and property from damaging factors in emergency situations; use medical protective equipment; to carry out sanitary and hygienic and anti-epidemic measures in the lesions; identify dangerous and harmful environmental factors affecting the safety of the population; assess the chemical and</p>	<p>methods of evacuation of victims in emergency situations; methods of application of antidote and radioprotective agents in the scope of first aid;</p>
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					<p>fundamentals of life safety in medical organizations;  features of the organization of medical evacuation measures in the case of the use of modern weapons;  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, explosive and fire-hazardous nature;  the order of interaction of medical units and institutions in the elimination of consequences in the lesions;</p>	<p>radiation situation in emergency situations;  use medical and other types of property that are provided by formations and institutions of the medical service to identify the main environmental hazards, assess the risk of their implementation;  assess the medical situation in emergency situations;  choose methods of protection against dangerous factors;  determine the scope and type of medical care depending on the medical situation;  determine the need for medical equipment for institutions and formations intended for medical and sanitary provision of the population and make applications for its receipt;</p>	
3.	PC-1 Provision of medical care to the patient in urgent or emergency forms	Able to provide medical care to the patient in urgent or emergency forms	Medicine of disasters	<p>ID-1 PC-1 Identifies clinical signs of conditions requiring urgent medical care  ID-2 PC-1 Performs measures to provide medical care in an emergency form  ID-3 PC-1 Identifies conditions requiring emergency medical care, including clinical</p>	<p>fundamentals of ensuring and regulatory framework for the safety of life of the population;  the main environmental factors affecting the life of the population;  the concept of national security of the Russian Federation;  goals and objectives of health mobilization training;  tasks and organizational structure of special</p>	<p>perform their functional duties when working as part of formations and institutions;  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 the population;  identify the main</p>	<p>conceptual and terminological apparatus in the field of human life safety;  proper maintenance of medical records (fill out the primary medical record);  the main medical diagnostic and therapeutic measures for the provision of primary medical and sanitary care in urgent and life-threatening conditions to victims in lesions in various emergency situations; methods of providing first, pre-medical and first medical care to victims in</p>



				<p>signs of sudden cessation of blood circulation and respiration</p> <p>ID-4 PC-1 Performs basic cardiopulmonary resuscitation in combination with electro-pulse therapy (defibrillation)</p>	<p>health units. medical forces and facilities designed to provide medical assistance to the affected population in emergency situations;</p> <p>the order of interaction of medical units and organizations in the elimination of consequences in emergency situations;</p> <p>fundamentals of the organization of medical supply of formations and organizations designed to eliminate the consequences of an emergency.</p> <p>methodological and legal foundations of human life safety;</p> <p>risks associated with the use of modern means of armed struggle;</p> <p>fundamentals of the security of society and the individual;</p> <p>basic concepts, definition and classification of emergency situations;</p> <p>damaging factors of natural emergencies: earthquakes, floods, other natural disasters;</p> <p>medical and health consequences of emergencies;</p> <p>tasks and fundamentals of the organization of the Unified State System of prevention and</p>	<p>environmental hazards, assess the risk of their implementation;</p> <p>assess the medical situation in emergency situations;</p> <p>choose methods of protection against dangerous factors;</p> <p>apply methods of protection against hazards in the course of a doctor's activity;</p> <p>apply methods to ensure comfortable living conditions for patients and medical personnel;</p> <p>observe the rules of occupational health and safety when carrying out the activities of a doctor;</p> <p>ensure compliance with occupational health and safety regulations by subordinate employees;</p> <p>implement measures to protect patients, medical personnel and medical property in emergency situations;</p> <p>make a preliminary diagnosis;</p> <p>provide first aid in case of emergency, primary pre-medical and medical health care to victims in emergency situations;</p> <p>carry out basic measures to protect the population, patients, medical personnel and property from damaging factors in emergency situations;</p>	<p>emergency situations;</p> <p>methods of assessing the medical and tactical characteristics of lesions;</p> <p>methods of sanitary treatment in case of emergency;</p> <p>the main technical means of individual and medical protection.</p> <p>methods of medical triage in emergency situations;</p> <p>methods and methods of evacuation of victims in emergency situations;</p> <p>methods of application of antidote and radioprotective agents in the scope of first aid;</p>
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					<p>liquidation of consequences of emergency situations (RSChS); fundamentals of organization, measures and methods of protecting the population from natural and man-made hazards; fundamentals of life safety in medical organizations; features of the organization of medical evacuation measures in the case of the use of modern weapons; 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, explosive and fire-hazardous nature; the order of interaction of medical units and institutions in the elimination of consequences in the lesions;</p>	<p>use medical protective equipment; to carry out sanitary and hygienic and anti-epidemic measures in the lesions; identify dangerous and harmful environmental factors affecting the safety of the population; assess the chemical and radiation situation in emergency situations; use medical and other types of property that are provided by formations and institutions of the medical service to identify the main environmental hazards, assess the risk of their implementation; assess the medical situation in emergency situations; choose methods of protection against dangerous factors; determine the scope and type of medical care depending on the medical situation; determine the need for medical equipment for institutions and formations intended for medical and sanitary provision of the population and make applications for its receipt;</p>	
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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.	12	Dzatseeva D.V. Methodical development First aid for injuries.
2.	12	Dzatseeva D.V. Methodical development Bleeding
3.	12	Dzatseeva D.V. Methodical development Combustions, frostbites
4.	12	Dzatseeva D.V. Methodical development Road safety
5.	12	Sabaev S.S., Dzatseeva D.V. Methodical development First aid for fractures and dislocations. Transport immobilization.

#### 7. Evaluation tools for interim certification of students in the discipline

№/п	List of competences	№ semester	Indicator assessments	Evaluation criterion(s)	Grading scale	Name of evaluation tools
1	2	3	4	5	6	7
1	UC-8 GCC-6 PC-1	12	Look the standard of education quality assessment, approved by order NOSMA 10.07.2018г., №264/о	Look the standard of education quality assessment, approved by order NOSMA 10.07.2018г., №264/о	Look the standard of education quality assessment, approved by order NOSMA 10.07.2018г., №264/о	Questions to the module, test; 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	Demichev S. V.	М.:	5	-

	diseases		ГЭОТАР-Медиа, 2011	«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 the population in	Kruchek. N.A., V. N Latchook	М. : НЦ ЭНАС,	5	-

	emergency situations: studies.-method. manual for conducting classes with the population		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	18	20	Microsoft Office, PowerPoint;

		traditional lecture			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.

no./	equipment Name	Quantity	Technical condition
1	2	3	4
<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

