


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

APPROVED
by the decision of the Academic Council of the USU Institute of Medicine,
Ecology and Physical Culture
May «12» 2021, №9/229

Chairman  V.I. Midlenko
(signature, signature clarification)
«12» May 2021



EDUCATIONAL PLAN

Subject:	Extreme medicine
Faculty	Medical
Department	of hospital surgery, anesthesiology, reanimatology, urology, traumatology, orthopedics
Course	3

Speciality 31.05.01. «General medicine»

(code of the speciality, full name)

Form of education- full-time education

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



The program was updated at the meeting of the department: № 01 of 31.08 2022.


The program was updated at the meeting of the department: № 1 of 30.08 2023.

The program was updated at the meeting of the department: № of 20 .

Information about the authors:

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

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

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1. OBJECTIVES AND AIM OF DISCIPLINE:

Objectives of the discipline: to prepare graduates to work on the provision of medical assistance at the stages of medical evacuation in the elimination of medical and sanitary consequences of natural and man-made emergencies in conditions of a lack of time, diagnostic and therapeutic capabilities.


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

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


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

3. LIST OF PLANNED RESULTS OF TRAINING IN THE DISCIPLINE (MODULE), CORRELATED WITH THE PLANNED RESULTS OF MASTERING THE MAIN PROFESSIONAL EDUCATIONAL PROGRAM

Competence index. Content of a competence (or a part of it)	The proposed results of the course students are:
<i>UC-3</i> , he is able to organize and manage the work of the team, developing a team strategy to achieve the goal	<p>Know: the main natural and technological hazards, their properties and characteristics.</p> <ul style="list-style-type: none"> - the nature of the impact of harmful and dangerous factors on humans and the natural environment, methods and methods of protection against them. - possible consequences of accidents, catastrophes, natural disasters and methods of using modern means of destruction. - methods of population protection in case of emergencies <p>Be able to:</p> <ul style="list-style-type: none"> - identify the main hazards of the human environment, assess the risk of their implementation. - make decisions on appropriate actions in an emergency. - choose methods of protection against harmful and dangerous factors of an emergency <p>Own:</p> <ul style="list-style-type: none"> - conceptual and terminological apparatus in the field of life safety. - methods and methods of using personal protective equipment in emergencies. - the main methods of protecting production personnel and the population in the event of an emergency.

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<p>PC-1 <i>competencie</i>, Readiness to participate in the provision of emergency medical care in conditions requiring</p>	<p>Know: - peculiarities of organization of medical - evacuation measures in the case of the use of modern types of weapons;</p> <ul style="list-style-type: none"> - the basics of medical care of the population during liquidation of consequences of emergency situations, radiological and chemical nature; -the organization of medical care of the population during liquidation of consequences of emergency situations of natural, technogenic, traffic, explosive or flammable nature; - the basics of organizing and conducting sanitary and anti-epidemic (preventive) actions in emergency situations in peacetime and wartime; - the content of activities medical supplies medical units and establishments in various modes of operation of service of medicine of accidents; the objectives and organizational structure of all-Russian service of disaster medicine (VSMK); - basic provisions of normative legal documents on the organization of medical support of population in emergency situations of natural, technological, transport, explosive or flammable nature; - the procedure for interaction of medical units and establishments in the aftermath in the lesions <p>To be able:</p> <ul style="list-style-type: none"> - to identify the amount and type of medical care depending on the medical situation; to first aid, premedical and first medical aid to the affected population in emergency situations of different nature; - to solve the practical problem of calculating the allocation of necessary forces and means of disaster medical service to provide emergency medical assistance to affected in emergencies; - to determine the need for medical equipment to institutions and groups intended for the health of the population and make up application to receive it; <p>Own: - methods of providing first, pre-medical and first aid to victims in emergency situations;</p> <ul style="list-style-type: none"> - methods and methods of evacuating victims in emergency situations; - methods and methods of using individual protective equipment; - methods of applying antidote and radioprotective means in the scope of first aid;
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	- algorithm for monitoring the implementation of safety rules for medical personnel and patients.
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4. GENERAL LABOR INTENSITY OF THE DISCIPLINE

4.1. the volume of the discipline in credit units(total): 2


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

Type of academic work	Number of hours 72	
	Total according to the plan	including semesters: 5
1	2	3
Contact work of students with the teacher in accordance with up	36	36
Classroom classes:	36	36
lectures	-	-
Seminars and practical classes	36	36
laboratory work, workshops	-	-
Self-study	36	36
Form of current knowledge control and control's self-study control:	Testing, abstract	Testing, abstract
Course work	-	-
Types of intermediate certification (exam, credit)	-	-
Total hours in the discipline	72	72


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

Full-time training

Names of sections and topics	Total	Types of training sessions					Form of current knowledge control
		Classroom classes			interactive Activities asset in any other form	Independent editor Independent work	
		Lectures	Practical classes, seminars	Laboratory work, workshops			
1	2	3	4	5	6	7	

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Tasks and fundamentals of the organization of the предотвращения emergency prevention and response system.	12	-	6	-	1	6	Testing, abstract
Modern means of armed struggle. Special health care units. Medical protection of the population and rescuers.	12	-	6	-	1	6	Testing, abstract
Organization of medical evacuation support of the population in emergency situations. Medical evacuation	12	-	6	-	1	6	Testing, abstract
Medical and sanitary support in the aftermath of natural disasters	12	-	6	-	1	6	Testing, abstract
Medical and sanitary support in the event of liquidation of consequences of emergency situations of a technogenic (anthropogenic) nature.	12	-	6	-	1	6	Testing, abstract
Life-threatening conditions in disaster	12	-	6	-	1	6	Testing, abstract

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surgery. Diagnostics, emergency care at the stages of medical evacuation							
Total	72	-	36	-	6	36	

5. COURSE CONTENT

Topic I. Tasks and principles of organizing a Unified state system of prevention and elimination of emergency situations. Medical service of the Armed Forces of the Russian Federation in emergency situations. Tasks, organizational structure and basis of activity of the all-Russian disaster medicine service. Fundamentals of civil defense.

The content of the topic: General characteristics of emergency situations in the peace time:
- definition of the main concepts and classification of emergencies; medico-sanitary consequences of emergency situations: definition, factors affecting emergency situations, the concept of human losses in emergencies, elements of medico-tactical characteristics of emergency situations.

Definition, tasks and basic principles of the construction and functioning of the Unified state emergency prevention and response system (ESR).

Organization of the Unified state system of prevention and liquidation of emergency situations:

- territorial and functional subsystems and management levels of the RSChS; list of Federal emergency management services;
- the concept of permanent day-to-day management bodies,
- operational management support bodies (control points), forces and means.

Tasks and composition of RSChS forces and assets.

Emergency response forces and facilities of the EMERCOM of Russia:


- civil defense forces;
- the state Central airmobile rescue detachment (Tsentrspas);
- search and rescue service;
- center for special-risk rescue operations;
- aviation of the Ministry of emergency situations of Russia.

The main activities of the RSChS for the prevention and elimination of the consequences of emergencies.

Medical service of the Armed Forces of the Russian Federation in emergency situations. Medical supply of formations and institutions intended for medical and sanitary provision of the population in emergency situations.

A brief history of the development of the all-Russian disaster medicine service. Definition, tasks and basic principles of the VSMK organization. VSMK organization:

- federal level;
- regional level;
- territorial level;
- local and object level.

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Managing the disaster medicine service:

- definition;
- VSMK management system, principles of interaction organization;
- VSMK management during emergency response.

Disaster medicine service of the Russian Ministry of health:

- formation of the disaster medicine service of the Ministry of health of the Russian Federation;

- field multidisciplinary hospital;
- team of specialized medical care (emergency hospital);
- medical and nursing teams (VSB)
- medical field teams of emergency medical care;
- pre-medical teams and paramedic field teams of emergency medical care.

Fundamentals of civil defense. The medical service of civil defense. Organization of population protection in wartime. Medical support of the population when carrying out activities of civil defense. The work of MSGO formations in conducting rescue operations in the centers of damage.

The Theme Of II. Modern means of armed struggle. Special health care units. Medical protection of the population and rescuers in emergency situations

The contents of the topic: Modern means of armed struggle. High-precision weapons, cluster and volume-detonating ammunition. Nuclear weapon. The story of the creation and first use. Striking factors of nuclear weapons. Biological weapon. Characteristics of biological lesions. Organization and conduct of isolation and restriction measures. Non-lethal weapon. Definition and classification of non-lethal weapons and special means. Combined destruction of various types of weapons.

Basic principles of forming and organizing the work of rear health care hospitals during the period of mobilization. Equipping rear hospitals with equipment. II

Definition, classification and purpose of special health care units. The story of the creation of special units of health.

The purpose and tasks of the management bodies of special health care units. Purpose, tasks and organization of observation points. The order of observation.


Characteristics of the modern system of medical evacuation support of troops. The role and place of rear health care hospitals (TGS). Characteristics of wounded and sick evacuees in the TGS. Types of rear health care hospitals, their tasks and organizational and staff structure:

- basic rear hospital;
- neurosurgical rear of the hospital;
- trauma a back-up hospital;
- therapy in the rear hospital;
- skin and Venereological rear hospital;
- tuberculosis rear of the hospital.

Equipping rear hospitals with personnel. Material, technical and financial support of rear hospitals. Allotment, adaptation, and equipment of buildings intended for deployment of special health care units.

Definition and measures of medical protection. Medical protective equipment and its use. Standard medical personal protective equipment.

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

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Content and tasks. Traumatic factors of emergencies. Features of the development of mental reactions in the affected, medical personnel and rescuers in emergency situations.

Basic methods of psychological protection and rehabilitation of the population and persons involved in their rescue.

Topic 3. Organization of medical evacuation support of the population in emergency situations. Medical evacuation.

The content of the topic. Basic concepts of power TRANSMISSION systems. Conditions that determine the system of medical evacuation support. The essence of the system of medical evacuation support.

Basic requirements and concept scheme of medical evacuation support. Stages of medical evacuation. Types and volumes of medical care. Features of medical sorting of the affected (sick) in emergency situations. Features of medical evacuation of the affected (sick) in emergency situations.

Topic 4. Medical and sanitary support in the aftermath of natural disasters.

The content of the topic. Medical and sanitary support in the aftermath of earthquakes: characteristics, main measures for elimination, organization of first aid. Syndromes of mechanical destruction of soft tissues. Long-term compression syndrome. Endogenous intoxication and acute kidney injury with mechanical destruction.

The medical care in the aftermath of the floods: characteristics, basic emergency response measures, organization of first medical aid.

Medical and sanitary support in the aftermath of snow avalanches: characteristics, main measures for elimination, organization of first aid.

Topic 5. Medical and sanitary provision in the event of liquidation of consequences of emergency situations of a technogenic (anthropogenic) nature.

The content of the topic. Medical and sanitary support in the liquidation of the consequences of emergency situations-fires: description of the basic emergency response measures, organization of first medical aid. Burns. Burn disease. Medical sorting of burn victims. Providing assistance at the stages of medical evacuation.


Medical and sanitary support in the liquidation of the consequences of emergency situations-radiation and chemical accidents: characteristics, main measures for elimination, organization of first aid.

Medical and sanitary support in the event of terrorist attacks.

Topic 6. Life-threatening condition in surgery disasters. Diagnostics, emergency care at the stages of medical evacuation

The content of the topic. Characteristics of threatening conditions in the surgery of catastrophes. Significance of the syndrome approach in sorting and diagnostics on medical evacuation taps.

Causes, pathogenesis, methods of prevention of such conditions as shock, acute respiratory failure and coma: their reliable signs, determining the severity, methods of diagnosis in conditions of limited time and technical means. Small ejection syndrome as a leading cause of critical conditions. Criteria for assessing the severity and determining the prognosis for critical conditions. The principles of shock therapy. Tasks and opportunities of medical evacuation stages

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when providing assistance to the injured. Features of diagnostics and correction of life-threatening conditions in children.

Bleedings. Compensation of blood loss during the elimination of consequences of disasters.

Classification of bleeding, types of damage to blood vessels. Determination of the volume of blood loss in conditions of limited time and technical capabilities. Types of blood substitutes. Principles of blood replacement therapy in acute blood loss, expediency of blood reinfusion, indications for direct blood transfusion. Possible complications of hemotransfusion (including massive blood transfusion syndrome), methods of their prevention and treatment. DIC-syndrome in acute blood loss. Measures for its prevention and treatment.

Toxic complications and their causes in restoring peripheral blood flow in the extremities after prolonged ischemia.


Classification of wounds, features of gunshot, smashed wounds. Areas of the wound canal in case of gunshot injuries, wound ballistics. Mechanical, physical, and chemical treatment of wounds. Indications for wound drainage and methods of drainage. Features of treatment of wounds of the face, hand, foot. Special tactics in the presence of extensive wounds, significant soft tissue defects.

6. TOPICS OF PRACTICAL AND SEMINAR CLASSES

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

Tasks and bases of organization of the Unified state system of prevention and liquidation of emergency situations. Medical service of the Armed Forces of the Russian Federation in emergency situations. Tasks, organizational structure and basis of activity of the all-Russian disaster medicine service. Fundamentals of civil defense.

1. General characteristics of peacetime emergencies: - definition of basic concepts and classification of emergencies;
2. Health emergencies: definition, factors affecting emergency situations, the concept of human losses in emergencies, elements of medico-tactical characteristics of emergency situations.
3. Definition, tasks and basic principles of the construction and functioning of the Unified state emergency prevention and response system (ESR).
4. Organization of the Unified state system of emergency prevention and liquidation: territorial and functional subsystems and levels of management of the rchs; list of Federal rchs prevention and liquidation services; the concept of permanent day-to-day management bodies, operational management support bodies (control points), forces and means.
5. Tasks and composition of RSChS forces and assets.
6. Emergency response forces and facilities of the EMERCOM of Russia:
7. civil defense troops; state Central airmobile rescue squadron (Centrospas); search and rescue service; center for special risk rescue operations; EMERCOM of Russia aviation. The main activities of the RSChS for the prevention and elimination of the consequences of emergencies. Medical service of the Armed Forces of the Russian Federation in emergency situations. Medical supply of formations and institutions intended for medical and sanitary provision of the population in emergency situations.
8. A brief history of the development of the all-Russian disaster medicine service. Definition, tasks and basic principles of the VSMK organization.

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9. Managing the disaster medicine service: definition;- VSMK management system, principles of interaction organization; vsmk management during emergency response.
10. Disaster medicine service of the Russian Ministry of health.
11. Fundamentals of civil defense. The medical service of civil defense. Organization of population protection in wartime. Medical support of the population when carrying out activities of civil defense. The work of MSGO formations in conducting rescue operations in the centers of damage.

Lesson 2. Labor intensity-6 hours, including 1 hour in interactive form

Modern means of armed struggle. Special health care units. Medical protection of the population and rescuers in emergency situations


1. Modern means of armed struggle. High-precision weapons, cluster and volume-detonating ammunition. Nuclear weapon. The story of the creation and first use. Striking factors of nuclear weapons. Biological weapon. Characteristics of biological lesions. Organization and conduct of isolation and restriction measures. Non-lethal weapon. Definition and classification of non-lethal weapons and special means. Combined destruction of various types of weapons.
2. Basic principles of forming and organizing the work of rear health care hospitals during the period of mobilization. Equipping rear hospitals with equipment.
3. Definition, classification and purpose of special health care units. The story of the creation of special units of health.
4. The purpose and tasks of the management bodies of special health care units. Purpose, tasks and organization of observation points. The order of observation.
5. Characteristics of the modern system of medical evacuation support of troops. The role and place of rear health care hospitals (TGS). Characteristics of wounded and sick evacuees in the TGS. Types of rear health care hospitals, their tasks and organizational and staff structure.
6. Equipping rear hospitals with personnel. Material, technical and financial support of rear hospitals. Allotment, adaptation, and equipment of buildings intended for deployment of special health care units.
7. Definition and measures of medical protection. Medical protective equipment and its use. Standard medical personal protective equipment.
8. Medical and psychological protection of the population and rescuers and emergencies. Content and tasks. Traumatic factors of emergencies. Features of the development of mental reactions in the affected, medical personnel and rescuers in emergency situations.
9. Basic methods of psychological protection and rehabilitation of the population and persons involved in their rescue.

Lesson 3. Labor intensity-6 hours, including 1 hour in interactive form

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

The content of the topic.

1. Basic concepts of power TRANSMISSION systems.
2. Conditions that determine the system of medical evacuation support.
3. The essence of the system of medical evacuation support.
4. Basic requirements and concept scheme of medical evacuation support
5. Stages of medical evacuation.
6. Types and volumes of medical care.

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7. Features of medical sorting of the affected (sick) in emergency situations.
8. Features of medical evacuation of the affected (sick) in emergency situations.

Lesson 4. Labor intensity-6 hours, including 1 hour in interactive form

Medical and sanitary support in the aftermath of natural disasters.

1. Medical and sanitary support in the aftermath of earthquakes: characteristics, main measures for elimination, organization of first aid. Syndromes of mechanical destruction of soft tissues.
2. Long-term compression syndrome. Endogenous intoxication and acute kidney injury with mechanical destruction.
3. The medical care in the aftermath of the floods: characteristics, basic emergency response measures, organization of first medical aid.
4. Medical and sanitary support in the aftermath of snow avalanches: characteristics, main measures for elimination, organization of first aid.

Lesson 5. Labor intensity-6 hours, including 1 hour in interactive form


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

1. Medical and sanitary support in the liquidation of the consequences of emergency situations-fires: description of the basic emergency response measures, organization of first medical aid.
2. Burns. Burn disease.
3. Medical sorting of burn victims. Providing assistance at the stages of medical evacuation.
4. Medical and sanitary support in the liquidation of the consequences of emergency situations-radiation and chemical accidents: characteristics, main measures for elimination, organization of first aid.
5. Medical and sanitary support in the event of terrorist attacks.

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

Life-threatening conditions in disaster surgery. Diagnostics, emergency care at the stages of medical evacuation

1. Characteristics of threatening conditions in the surgery of catastrophes. Significance of the syndrome approach in sorting and diagnostics on medical evacuation taps.
2. Causes, pathogenesis, methods of prevention of such conditions as shock, acute respiratory failure and coma: their reliable signs, determining the severity, methods of diagnosis in conditions of limited time and technical means. Small ejection syndrome as a leading cause of critical conditions. Criteria for assessing the severity and determining the prognosis for critical conditions. The principles of shock therapy. Tasks and opportunities of medical evacuation stages when providing assistance to the injured. Features of diagnostics and correction of life-threatening conditions in children.
3. Bleedings. Compensation of blood loss during the elimination of consequences of

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disasters.

4. Classification of bleeding, types of damage to blood vessels. Determination of the volume of blood loss in conditions of limited time and technical capabilities. Types of blood substitutes.

5. Principles of blood replacement therapy in acute blood loss, expediency of blood reinfusion, indications for direct blood transfusion. Possible complications of hemotransfusion (including massive blood transfusion syndrome), methods of their prevention and treatment. DIC-syndrome in acute blood loss. Measures for its prevention and treatment.

6. Toxic complications and their causes in restoring peripheral blood flow in the extremities after prolonged ischemia.

7. Classification of wounds, features of gunshot, smashed wounds. Areas of the wound canal in case of gunshot injuries, wound ballistics. Mechanical, physical, and chemical treatment of wounds. Indications for wound drainage and methods of drainage. Features of treatment of wounds of the face, hand, foot. Special tactics in the presence of extensive wounds, significant soft tissue defects.

7. LABORATORY WORK, WORKSHOPS


Not included in the curriculum

8. TOPICS OF COURSEWORK, TESTS, AND RESEARCH PAPERS

Coursework and tests are not provided for in the curriculum.

Topic of abstracts

1. Definition, tasks and basic principles of the construction and functioning of the Unified state emergency prevention and response system (ESR).
2. Organization of a Unified state system of prevention and liquidation of emergency situations.
3. A brief history of the development of the all-Russian disaster medicine service.
4. Definition, tasks and basic principles of the VSMK organization. VSMK organization.
5. Modern means of armed struggle.
6. Conditions that determine the system of medical evacuation support. The essence of the system of medical evacuation support.
7. Stages of medical evacuation.
8. Types and volumes of medical care.
9. Features of medical sorting of the affected (sick) in emergency situations.
10. Features of medical evacuation of the affected (sick) in emergency situations.
11. Medical and sanitary support in the aftermath of earthquakes. Syndromes of mechanical destruction of soft tissues. Long-term compression syndrome.
12. The medical care in the aftermath of the floods: characteristics, basic emergency response measures, organization of first medical aid.
13. Medical and sanitary support in the aftermath of snow avalanches: characteristics, main measures for elimination, organization of first aid.
14. Medical and sanitary support in the liquidation of the consequences of emergency situations-fires.

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15. Medical and sanitary support in the liquidation of the consequences of emergency situations –radiation and chemical accidents.
16. Medical and sanitary support in the event of terrorist attacks.
17. Bleedings. Compensation of blood loss during the elimination of consequences of disasters.
18. Toxic complications and their causes in restoring peripheral blood flow in the extremities after prolonged ischemia.


9. LIST OF QUESTIONS TO BE TAKEN INTO ACCOUNT

Intermediate certification is not provided


10. SELF-STUDY WORK OF STUDENTS

Full-time training

Names of sections and topics	Type of self-study work	Volume in hours	form of control
Tasks and principles of organization of the emergency prevention and response system.	study of educational material, abstract, preparation for the exam	6	Checking the completeness of the training material on the topic, the correctness of answers to test tasks on the topic, checking the abstracts
Modern means of armed struggle. Special health care units. Medical protection of the population and rescuers.	study of educational material, abstract, preparation for the exam	6	Checking the completeness of educational material on the topic, correctness of answers to test tasks on the topic, checking of abstracts
Organization of medical evacuation support for the population in emergency situations. Medical evacuation	study of educational material, abstract, preparation for the exam	6	Checking the completeness of the training material on the topic, the correctness of answers to test tasks on the topic, checking the abstracts

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Medical and sanitary support in the aftermath of natural disasters	elaboration of educational material, abstract, preparation for the exam	6	Checking the completeness of the training material on the topic, the correctness of answers to test tasks on the topic, checking the abstracts
Medical and sanitary support in the event of liquidation of consequences of emergency situations of a technogenic (anthropogenic) nature.	study of educational material, abstract, preparation for the exam	6	Checking the completeness of the training material on the topic, the correctness of answers to test tasks on the topic, checking the abstracts
Life-threatening conditions in disaster surgery. Diagnostics, emergency care at the stages of medical evacuation	study of educational material, abstract, preparation for the exam	6	Checking the completeness of the training material on the topic, the correctness of answers to test tasks on the topic, checking the abstracts

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

а) Список рекомендуемой литературы:

основная:

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

дополнительная:


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

учебно-методическая:

Белый Л. Е.
Методические указания для организации самостоятельной работы студентов по дисциплине «Экстремальная медицина» для специальностей 31.05.01 – Лечебное дело, 31.05.02 – Педиатрия, 31.05.01 – Лечебное дело (с освоением части программы на английском языке) / Л. Е. Белый; УлГУ, ИМЭиФК. - Ульяновск : УлГУ, 2019. - Загл. с экрана; Неопубликованный ресурс. - Электрон. текстовые дан. (1 файл : 578 КБ). - Текст : электронный. - <http://lib.ulsu.ru/MegaPro/Download/MObject/8894>

Согласовано:

 Должность сотрудника научной библиотеки ФИО подпись дата

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b) software

SPS Consultant Plus
NEB OF THE RUSSIAN FEDERATION
The electronic library system IPRBooks
Aibs " Megapro"
MicrosoftWindows OS
"Maiofis Standard»

C) Professional databases, information and reference systems

1. Electronic library systems:

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

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

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

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

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

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

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


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

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

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

3. Базы данных периодических изданий:

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

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авториз. пользователей. – Текст : электронный.

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

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

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

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

6. Федеральные информационно-образовательные порталы:

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

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

7. Образовательные ресурсы УлГУ:

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


Agreed:

Зам. нач. УИТиТ | Ключкова О.В. | 18.07.2021
Должность сотрудника УИТиТ ФИО подпись дата

12. MATERIAL AND TECHNICAL SUPPORT OF THE DISCIPLINE:

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

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

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13. SPECIAL CONDITIONS FOR STUDENTS WITH DISABILITIES


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

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



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


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

Creator  Belyy Lev E., professor, MD

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

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

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Appendix 1

11. EDUCATIONAL, METHODOLOGICAL AND INFORMATIONAL SUPPORT OF THE DISCIPLINE

C) Professional databases, information and reference systems

1. Электронно-библиотечные системы:

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

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

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

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

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

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

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

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

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


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

3. Базы данных периодических изданий:

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

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

3.3. Электронная библиотека «Издательского дома «Гребенников» (Grebinnikon) : электронная библиотека / ООО ИД Гребенников. – Москва, [2022]. – URL: <https://id2.action->

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media.ru/Personal/Products. – Режим доступа : для авториз. пользователей. – Текст : электронный.

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

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

6. Федеральные информационно-образовательные порталы:

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

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

7. Образовательные ресурсы УлГУ:

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


Согласовано:

З.М. Кар
Должность сотрудника УИТИТ

И. Ключова
ФИО

[Подпись]
подпись

19.04.22
дата

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Appendix 2

11. EDUCATIONAL-METHODICAL AND INFORMATION SUPPORT OF DISCIPLINE

a) List of recommended literature

Core reading:

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

Supplementary reading:

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


b) Educational and methodical literature

Belyi L.E. Methodical guidelines for self-study work of students in the discipline «Extreme medicine» for specialty 31.05.01 «General medicine» / L. E. Belyi; Ulyanovsk State University, The Institute of Medicine, Ecology and Physical Culture. - Ulyanovsk : Ulsu, 2022. - Неопубликованный ресурс; На англ. яз. - URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/11549>. - Режим доступа: ЭБС УлГУ. - Текст : электронный.



AGREED:


Main Librarian / Stadolnikovs / Смага / 13.05.2022

The position of the worker scientific library Full name signature data

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

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

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Appendix 1

Профессиональные базы данных, информационно-справочные системы

1. Электронно-библиотечные системы:

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

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

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

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

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

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

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

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

3. Базы данных периодических изданий:

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

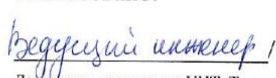
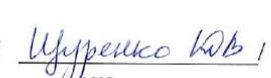

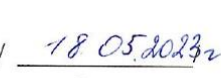
3.2. Электронная библиотека «Издательского дома «Гребенников» (Grebinnikon) : электронная библиотека / ООО ИД «Гребенников». – Москва, [2023]. – URL: <https://id2.action-media.ru/Personal/Products>. – Режим доступа : для авториз. пользователей. – Текст : электронный.

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


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

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

Согласовано:

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

Appendix 2

а) Список рекомендуемой литературы:

основная:

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

дополнительная:

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

учебно-методическая:

Белый Л. Е.
Методические указания для организации самостоятельной работы студентов по дисциплине «Экстремальная медицина» для специальностей 31.05.01 – Лечебное дело, 31.05.02 – Педиатрия, 31.05.01 – Лечебное дело (с освоением части программы на английском языке) / Л. Е. Белый; УлГУ, ИМЭиФК. - Ульяновск : УлГУ, 2019. - Загл. с экрана; Неопубликованный ресурс. - Электрон. текстовые дан. (1 файл : 578 КБ). - Текст : электронный. - <http://lib.ulsu.ru/MegaPro/Download/MObject/8894>

Согласовано:

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 Должность сотрудника научной библиотеки ФИО подпись дата