



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

APPROVED BY
by the decision of the Academic Council of the USU
Institute of Medicine, Ecology and Physical Culture
17.05.2023 Record No. 9/250

Chairman Midlenko V.I.


(Signature, Name)

«17» May 2023



EDUCATIONAL PLAN

Discipline	Disaster medicine
Faculty	Medical faculty of T.Z. Biktimirov
Name of department	Department of hospital surgery, anesthesiology, reanimatology, urology, traumatology, orthopedics
Course	6

Direction (specialty) 31.05.01 General medicine

the code of the direction (specialty), full name

Orientation (profile/specialty) not provided

full name

Form of training _____ full-time _____

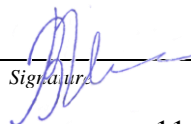

full-time, part-time, part-time (specify only those that are being implemented)


Date of introduction into the academic process at Ulyanovsk State University: 01.09.2023.

The program was updated at the meeting of the department: №10 of 16.05. 2024.

Information about the authors:

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

Agreed	Agreed
Head of department, developing discipline	Head of the graduating Department
 _____ / Midlenko V.I. / <i>Signature</i> <i>Full name</i>	 _____ / Vize-Khripunova M.A. / <i>Signature</i> <i>Full name</i>
«11» May 2023 г.	«11» May 2023 г.

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1. OBJECTIVES AND AIM OF DISCIPLINE:

Objectives of 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.

The aim of mastering the discipline: to prepare graduates of medical universities to work on providing medical assistance to the affected population in emergency situations.


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

Discipline «Disaster 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, 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 EXPECTED RESULTS OF INSTRUCTION ON THE SUBJECT (UNIT), CORELATED WITH PLANNED RESULTS OF COMPLETING THE PROGRAM

The study of the discipline «Disaster medicine» within the completion of the educational program is directed towards the formation of the following general and professional competences in students:

Code and name of universal or professional competence	Code and name of the indicator of achievement of general professional competence
UC-8 Is able to create and maintain safe living conditions in everyday life and in professional activity 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	<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: - identify the main hazards of the human environment, assess the risk of their implementation. - make decisions on appropriate actions in an emergency.</p> <ul style="list-style-type: none"> - choose methods of protection against harmful and dangerous factors of an emergency <p>Own: - conceptual and terminological apparatus in the field of life safety.</p> <ul style="list-style-type: none"> - 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.
PC-1 Readiness to participate in the provision of emergency medical care in conditions requiring urgent medical intervention	<p>Know: the basics of providing various types of medical care to the affected population;</p> <p>Be able to: provide first medical, pre-medical and first aid to the affected population in wartime and emergency situations of natural and man-made nature;</p>

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	Own: the algorithms perform basic medical-evacuation actions at the stages of medical evacuation in emergency situations in peacetime and in war and war conflicts
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4. Volume of the subject

4.1. Volume of the subject in credit points (total): 4 credit points


4.2. On types of academic workload (in hours):

Type of academic work	Number of hours (form of education) 144	
	Total according to the plan	Including on semesters
		№ semester B
1	2	3
Work of students with a teacher	62	62
Classes:		
lectures	12	12
practical classes and seminars	50	50
lab classes (practical lessons)	-	-
Self-study work	46	46
Concurrent control (number and type: a test, a colloquium, a report)		
Course paper	-	-
Types of intermediate attestation (examination, test)	Examination (36 h)	Examination (36 h)
Total number of hours on the subject	144	144


4.3. Contents of the discipline (module). Distribution of hours on themes and kinds of study: Number of hours – 144 h

The form of training: full time

	Name of sections and themes	Total	Activity format					Form of current control
			Classroom studies			Interactive classes	Self-study work	
			lect.	pract.c l.	Laboratory work			
1	2	3	4	5	6	7	8	
1	Organization of medical evacuation support of the	18	2	10	-	2	6	Testing, abstract

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	population in emergency situations.							
2	Medical and sanitary support in the event of liquidation of consequences of emergency situations of a technogenic (anthropogenic) nature.	18	2	8	-	2	8	Testing , abstract
3	Medical and sanitary support in the elimination of consequences of natural emergencies (natural disasters).	18	2	8	-	2	8	Testing , abstract
4	Organization of sanitary and anti-epidemic support in emergency situations.	18	2	8	-	2	8	Testing , abstract
5	Introduction to toxicology. Basic laws of interaction between the body and chemical	18	2	8	-	2	8	Testing , abstract

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	substances. Toxic chemicals and their impact on the body.							
6	Introduction to radiobiolog y. Fundamenta ls of the biological action of ionizing radiation. Radiation damage to the body.	18	2	8	-	2	8	Testing , abstract


If it is necessary to use partially or exclusively distance learning technologies in the educational process, it should be noted that the total number of hours (c.u.) set by the Department of discipline/specialty for each discipline/practice remains unchanged and is implemented in full. In this case, in the corresponding section of the educational program the total number of hours of work with students in accordance with the educational plan is allocated and the number of hours for conducting classes in a remote format using e-learning (online courses, lectures and seminars in videoconference mode, virtual practical classes, laboratory work in the form of virtual analogues, calculation and graphic works, individual tasks in the electronic information and educational environment, etc.) Training and industrial practice for all areas of discipline/specialties of all forms of training can be partially or fully implemented in a remote format.

5. COURSE CONTENT

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

Medical and sanitary support in the event of liquidation of consequences of emergency situations of a technogenic (anthropogenic) nature. Features of medical care in the aftermath of chemical accidents technogenic emergencies: summary of chemical accidents; the main activities for the organization and provision of medical aid to the affected in the outbreak; the resources attracted for liquidation of consequences of the accident; liquidation of medical-sanitary consequences of transportation accidents during the transport of the chemicalski dangerous goods; organization of first medical, qualified and specialized medical care;

The medical care at liquidation of consequences of radiation accidents: summary of radiation accidents; damaging factors of radiation accidents that shape health lastdamage; characteristics of the medical-sanitary consequences of radiation accidents; the basics of medical support at liquidation of consequences of radiation accidents; the forces and means attracted for liquidation of medical-sanitary consequences of radiation accidents.

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The medical care in case of emergencies, transport, road transport, explosive or flammable nature; a brief description of transport and road traffic emergencies; the emergency explosive and flammable nature; the forces and means attracted for liquidation of medical-sanitary consequences; features of organizing and providing medical care in case of explosions and fires.

Features of medical and sanitary support in case of terrorist acts: brief description of terrorist acts; features of medical and sanitary support in case of terrorist acts.

Medical and sanitary support in the elimination of consequences of natural emergencies (natural disasters). The medical care in the aftermath of earthquakes: characteristics of earthquakes; principles of organization of medical support in the aftermath of earthquakes; the forces and means attracted for liquidation of medical-sanitary consequences of earthquakes; principles of organization of medical care in the outbreak of earthquakes.


Features of medical and sanitary provision of the population during the elimination of consequences of natural disasters: characteristics of emergency situations and natural disasters (floods, storms, hurricanes, cyclones, tornadoes, debris flows, snow avalanches, forest and peat fires); basis for the organization of medical support in the aftermath of natural disasters; the forces and means attracted for liquidation of consequences of natural disasters; principles of rendering of medical aid of the flood, in contact with people under the dreamtrade of avalanches in the area affected by the mudflow, at liquidation of medico-sanitary consequences of fires.

Organization of sanitary and anti-epidemic support in emergency situations. Fundamentals of organization of sanitary and anti-epidemic provision of the population in emergency situations: tasks, principles and main measures of sanitary and anti-epidemic provision in emergency situations; organization and tasks of a network of surveillance and laboratory control; organization of sanitary and anti-epidemic measures for the control and protection of food, food raw materials, water and organization of their sanitary expertise in emergency situations. Characteristics of the epidemic focus and measures to eliminate it. Characteristics and classification of medical property.

Introduction to toxicology. Basic laws of interaction between the body and chemical substances. Toxic chemicals, their impact on the body. The concept of poisons, toxic chemicals (highly toxic and toxic substances). Basic principles of classification of poisons and poisonings. Toxicity and the toxic process as the main concepts of toxicology. Determination of toxicity. Quantitative assessment of toxicity. The main categories of toxic doses (concentrations) used in toxicology are: maximum permissible, threshold, effective, and lethal. Toxic process. Forms of manifestation of the toxic process in humans. The main types of preferential action of toxic substances (local, reflex, resorptive action) on the body. Types of dose-effect relationships in the presence of toxic chemicals. Acute, subacute and chronic forms of intoxication. Toxic chemicals of irritating action. Toxic chemicals pulmonotoxic action. Toxic chemicals of General toxic action. Toxic chemicals of cytotoxic action. Toxic chemicals of neurotoxic action. Prevention of lesions, provision of medical care in the focus at the stages of medical evacuation.

Poisonous technical liquids. Physico-chemical and toxic properties of methyl alcohol, ethylene glycol, dichloroethane, trichloroethylene, tetraethyl lead, etc. Mechanisms of toxic action and pathogenesis of intoxication. The main manifestations of the toxic process. First aid and principles of treatment.

Introduction to radiobiology. Fundamentals of the biological action of ionizing radiation. Radiation damage to the body. Types of ionizing radiation and their properties. Quantitative assessment of ionizing radiation. Fundamentals of dosimetry. Sources of radionuclides in nature and the national economy. Factors that cause human injury in nuclear explosions and radiation accidents. General characteristics of radiation lesions formed during nuclear explosions and radiation accidents. Concept of zones of radioactive contamination. Foci of radiation damage. Physical, physico-chemical, chemical and biological stage in the action of

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ionizing radiation. Molecular mechanisms of radiation damage of Biosystems. Biological enhancement of radiation damage. The response of cells to irradiation. Forms of radiation cell death. The effect of radiation on tissues, organs and systems of the body. Radiobiological effects. Classification of radiobiological effects. Significance of radiobiological effects for the fate of the irradiated organism. Radiation damage as a result of external General (total) irradiation. General characteristics and classification of radiation lesions as a result of external exposure, depending on the type and conditions of exposure. The main clinical forms of acute radiation sickness with external relatively uniform irradiation: bone marrow intestinal, toxemic, cerebral. Features of radiation damage caused by neutrons.

Damage as a result of internal radioactive contamination. Damage by radioactive substances when they enter the body. Assessment of the damaging effect of radioactive products of nuclear explosions and accidents at nuclear power plants during internal contamination. Kinetics of radionuclides in the body. Radionuclide intake into the body. The fate of radionuclides entering the blood. Elimination of radionuclides from the body. Prevention of damage to the radionuclides. Medical protection and early treatment facilities

6. TOPICS OF PRACTICAL CLASSES AND SEMINARS (FOR DISCUSSING AND SELF-PREPARING OF STUDENTS)

Topic 1. Organization of medical evacuation support of the population in emergency situations.

The content of the topic. 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.


Topic 2. Medical and sanitary support in the event of liquidation of consequences of emergency situations of a technogenic (anthropogenic) nature.

The content of the topic. Features of medical care in the aftermath of chemical accidents technogenic emergencies: summary of chemical accidents; the main activities for the organization and provision of medical aid to the affected in the outbreak; the resources attracted for liquidation of consequences of the accident; liquidation of medical-sanitary consequences of transportation accidents during the transport of the chemicalski dangerous goods; organization of first medical, qualified and specialized medical care;

The medical care at liquidation of consequences of radiation accidents: summary of radiation accidents; damaging factors of radiation accidents that shape health lastdamage; characteristics of the medical-sanitary consequences of radiation accidents; the basics of medical support at liquidation of consequences of radiation accidents; the forces and means attracted for liquidation of medical-sanitary consequences of radiation accidents.

The medical care in case of emergencies, transport, road transport, explosive or flammable nature; a brief description of transport and road traffic emergencies; the emergency explosive and flammable nature; the forces and means attracted for liquidation of medical-sanitary consequences; features of organizing and providing medical care in case of explosions and fires.

Features of medical and sanitary support in case of terrorist acts: brief description of terrorist acts; features of medical and sanitary support in case of terrorist acts.

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Topic 3. Medical and sanitary support in the elimination of consequences of natural emergencies (natural disasters).

The content of the topic. The medical care in the aftermath of earthquakes: characteristics of earthquakes; principles of organization of medical support in the aftermath of earthquakes; the forces and means attracted for liquidation of medical-sanitary consequences of earthquakes; principles of organization of medical care in the outbreak of earthquakes.

Features of medical and sanitary provision of the population during the elimination of consequences of natural disasters: characteristics of emergency situations and natural disasters (floods, storms, hurricanes, cyclones, tornadoes, debris flows, snow avalanches, forest and peat fires); basis for the organization of medical support in the aftermath of natural disasters; the forces and means attracted for liquidation of consequences of natural disasters; principles of rendering of medical aid of the flood, in contact with people under the dreamtrade of avalanches in the area affected by the mudflow, at liquidation of medico-sanitary consequences of fires.

Topic 4. Organization of sanitary and anti-epidemic support in emergency situations.

The content of the topic. Fundamentals of organization of sanitary and anti-epidemic provision of the population in emergency situations: tasks, principles and main measures of sanitary and anti-epidemic provision in emergency situations; organization and tasks of a network of surveillance and laboratory control; organization of sanitary and anti-epidemic measures for the control and protection of food, food raw materials, water and organization of their sanitary expertise in emergency situations.

Characteristics of the epidemic focus and measures to eliminate it. Characteristics and classification of medical property.

Topic 5. Introduction to toxicology. Basic laws of interaction between the body and chemical substances. Toxic chemicals, their impact on the body.


The content of the topic. The concept of poisons, toxic chemicals (highly toxic and toxic substances). Basic principles of classification of poisons and poisonings. Toxicity and the toxic process as the main concepts of toxicology. Determination of toxicity. Quantitative assessment of toxicity. The main categories of toxic doses (concentrations) used in toxicology are: maximum permissible, threshold, effective, and lethal. Toxic process. Forms of manifestation of the toxic process in humans. The main types of preferential action of toxic substances (local, reflex, resorptive action) on the body. Types of dose-effect relationships in the presence of toxic chemicals. Acute, subacute and chronic forms of intoxication. Toxic chemicals of irritating action. Toxic chemicals pulmonologicheskoe action. Toxic chemicals of General toxic action. Toxic chemicals of cytotoxic action.

Toxic chemicals of neurotoxic action. Prevention of lesions, provision of medical care in the focus at the stages of medical evacuation.

Poisonous technical liquids. Physico-chemical and toxic properties of methyl alcohol, ethylene glycol, dichloroethane, trichloroethylene, tetraethyl lead, etc. Mechanisms of toxic action and pathogenesis of intoxication. The main manifestations of the toxic process. First aid and principles of treatment.

Topic 6. Introduction to radiobiology. Fundamentals of the biological action of ionizing radiation. Radiation damage to the body.

The content of the topic. Types of ionizing radiation and their properties. Quantitative assessment of ionizing radiation. Fundamentals of dosimetry. Sources of radionuclides in nature and the national economy. Factors that cause human injury in nuclear explosions and radiation accidents. General characteristics of radiation lesions formed during nuclear explosions and

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radiation accidents. Concept of zones of radioactive contamination. Foci of radiation damage. Physical, physico-chemical, chemical and biological stage in the action of ionizing radiation. Molecular mechanisms of radiation damage of Biosystems. Biological enhancement of radiation damage. The response of cells to irradiation. Forms of radiation cell death. The effect of radiation on tissues, organs and systems of the body. Radiobiological effects. Classification of radiobiological effects. Significance of radiobiological effects for the fate of the irradiated organism. Radiation damage as a result of external General (total) irradiation. General characteristics and classification of radiation lesions as a result of external exposure, depending on the type and conditions of exposure. The main clinical forms of acute radiation sickness with external relatively uniform irradiation: bone marrow intestinal, toxemic, cerebral. Features of radiation damage caused by neutrons.

Damage as a result of internal radioactive contamination. Damage by radioactive substances when they enter the body. Assessment of the damaging effect of radioactive products of nuclear explosions and accidents at nuclear power plants during internal contamination. Kinetics of radionuclides in the body. Radionuclide intake into the body. The fate of radionuclides entering the blood. Elimination of radionuclides from the body. Prevention of damage to the radionuclides. Medical protection and early treatment facilities

7. LABORATORY CLASSES


Not included in the curriculum

8. SUBJECTS OF COURSE PAPERS, TOPICS OF ABSTRACT.

Course papers are not provided for in the curriculum.

Topic of abstracts:


1. Medical protection of the population and rescuers in emergency situations.
2. Preparing a medical and preventive institution to work in emergency situations.
3. Organization of medical evacuation support of the population in emergency situations.
4. Medical and sanitary support in the event of liquidation of consequences of emergency situations of a technogenic (anthropogenic) nature.
5. Medical and sanitary support in the elimination of consequences of natural emergencies (natural disasters).
6. Organization of sanitary and anti-epidemic support in emergency situations.
7. Medical supply of formations and institutions intended for medical and sanitary provision of the population in emergency situations.
8. Medical service of the Armed Forces of the Russian Federation in emergency situations.
9. The medical service of civil defense.
10. Organization of population protection in wartime.
11. Medical support of the population when carrying out activities of civil defense.
12. Organization of medical and evacuation support of the population during the elimination of the consequences of an enemy attack.
13. The work of MSGO formations in conducting rescue operations in the centers of damage.
14. Organization of the provision of qualified and specialized medical care to the population in wartime.
15. Organization of sanitary-hygienic and anti-epidemic measures among the population in wartime.
16. Toxic chemicals of irritating action.
17. Toxic chemicals pulmonologicheskoe action.

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18. Toxic chemicals of General toxic action.
19. Toxic chemicals of cytotoxic action.
20. Toxic chemicals of neurotoxic action.
21. Toxic technical liquids
22. Fundamentals of the biological action of ionizing radiation
23. Radiation damage as a result of external General (total) irradiation.
24. Damage as a result of internal radioactive contamination.
25. Local radiation lesions.
26. Medical means of prevention and assistance in case of chemical and radiation damage.
27. Technical personal protective equipment.
28. The tools and techniques of chemical reconnaissance and control.
29. Tools and methods of radiation exploration and control.
30. Tools and methods of special processing.
31. Measures of the medical service in the centers of chemical and radiation damage.
32. The nature of modern wars and armed conflicts.
33. Modern means of armed struggle.

9. QUESTIONS FOR EXAM ON DISCIPLINE “DISASTER MEDICINE”


1. Organization of medical evacuation support of the population in emergency situations. General principle.
2. Basic requirements and concept scheme of medical evacuation support.
3. Stages of medical evacuation.
4. Types and volumes of medical care.
5. Medical and sanitary support in the event of liquidation of consequences of emergency situations of a technogenic (anthropogenic) nature. General characteristic.
6. Features of medical and sanitary support in the elimination of the consequences of chemical accidents of man-made emergencies. Organization of the first medical, qualified and specialized medical care.
7. Medical and sanitary support in the elimination of consequences of radiation accidents. Fundamentals of medical support in the elimination of consequences of radiation accidents.
8. Medical and sanitary support in emergency situations of transport, explosive and fire-hazardous nature: features of the organization and provision of medical care in cases of explosions and fires.
9. Features of medical and sanitary support in case of terrorist acts: brief description of terrorist acts; features of medical and sanitary support in case of terrorist acts.
10. Medical and sanitary support in the elimination of consequences of natural emergencies (natural disasters). General characteristic.
11. Medical and sanitary support in the aftermath of earthquakes: characteristics of earthquakes. Fundamentals of organization of medical care in the earthquake zone.
12. Features of medical and sanitary support of the population in the aftermath of natural disasters: principles of providing medical assistance in case of flooding, when people fall undersnow avalanches, in the area affected by mudslides, in the elimination of medical and sanitary consequences of fires.
13. Organization of sanitary and anti-epidemic support in emergency situations. Basic principles.
14. Characteristics of the epidemic focus and measures to eliminate it.

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15. Basic laws of interaction between the body and chemical substances. Toxic chemicals, their impact on the body.
16. Toxic chemicals pulmonotoxic action.
17. Toxic chemicals of General toxic action.
18. Toxic chemicals of cytotoxic action.
19. Toxic chemicals of neurotoxic action.
20. Prevention of lesions, provision of medical care in the focus at the stages of medical evacuation.
21. Poisonous technical liquids. The main manifestations of the toxic process. First aid and principles of treatment.
22. General characteristics of radiation lesions formed during nuclear explosions and radiation accidents.
23. The effect of radiation on tissues, organs and systems of the body. Radiobiological effects. Classification of radiobiological effects.
24. Radiation damage as a result of external General (total) irradiation.
25. The main clinical forms of acute radiation sickness with external relatively uniform irradiation.
26. Damage as a result of internal radioactive contamination.
27. Damage by radioactive substances when they enter the body.
28. General principles of treatment and antidote therapy of patients affected by toxic chemicals.
29. Radioprotectors. Indicators of the protective effectiveness of radioprotectors.
30. Means of prevention of early transient incapacity. Early (pre-hospital) treatment of acute radiation sickness.


10. SELF-STUDY WORK OF STUDENTS

№	Names of sections and topics	Type of self-study work	Total number of hours	Current control
1.	Organization of medical evacuation support for the population in emergency situations.	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
2.	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	8	Checking the completeness of the training material on the topic, the correctness of answers to test tasks on the topic, checking the

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				abstracts
3.	Medical and sanitary support in the elimination of consequences of natural emergencies (natural disasters).	study of educational material, abstract, preparation for the exam	8	Checking the completeness of educational material on the topic, the correctness of answers to test tasks on the topic, checking essays
4.	Organization of sanitary and anti-epidemic support in emergencies	working out of educational material, abstract, preparation for the exam	8	Checking the completeness of the training material on the topic, the correctness of answers to test tasks on the topic, checking the abstracts
5.	Introduction to toxicology. Basic laws of interaction between the body and chemical substances. Toxic chemicals and their impact on the body.	study of educational material, abstract, preparation for the exam	8	Checking the completeness of the training material on the topic, the correctness of answers to test tasks on the topic, checking the abstracts
6.	Introduction to radiobiology. Fundamentals of the biological action of ionizing radiation. Radiation damage to the body.	study of educational material, abstract, preparation for the exam	8	Checking the completeness of the educational material on the topic, the correctness of answers to test tasks on the topic, checking the abstracts

11. EDUCATIONAL-METHODICAL AND INFORMATION SUPPORT OF DISCIPLINE

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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. - 112 с. - 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 «Disaster 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/11548>. - Режим доступа: ЭБС УлГУ. - Текст : электронный.


AGREED:

Leading specialist

_____/_____/_____/_____
 The position of the worker scientific library Full name signature data


b) Professed data base, directory and search systems:

1. Electronic library systems:


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- 1.1. IPRbooks: electronic library system: website / IP Ar Media Group of companies. - Saratov, [2023]. - URL: <http://www.iprbookshop.ru>. - Access mode: for registration. users. - Text : electronic.
- 1.2. YURAYT : electronic library system: website / LLC Electronic publisher YURAYT. - Moscow, [2023]. - URL: <https://urait.ru>. - Access mode: for registration. users. - Text : electronic.
- 1.3. Student's consultant : electronic library system: website / Poly-techresurs LLC. - Moscow, [2023]. – URL: <https://www.studentlibrary.ru/cgi-bin/mb4x>. - Access mode: for registered users. users. - Text : electronic.
- 1.4. Doctor's consultant: electronic library system: website / LLC Higher School of Organization and Management of Healthcare-Comprehensive medical consulting. - Moscow, [2023]. - URL: <https://www.rosmedlib.ru>. - Access mode: for registration. users. - Text : electronic.
- 1.5. Big medical library: electronic library system: website / LLC Bukap. - Tomsk, [2023]. – URL: <https://www.books-up.ru/ru/library/> . - Pre-stop mode: for registration. users. - Text : electronic.
- 1.6. Lan: electronic library system: website / EBS Lan LLC. - St. Petersburg, [2023]. - URL: <https://e.lanbook.com>. - Access mode: for registered users. users. - Text : electronic.
- 1.7. Znaniy.com : electronic library system: website / Znaniy LLC. - Moscow, [2023]. - URL: <http://znaniy.com> . - Access mode : for registered users. pol-callers. - Text : electronic.
- 2. Consultant Plus** [Electronic resource]: reference legal system. / LLC "Consultant Plus" - Electron. dan. - Moscow: Consultant Plus, [2023].
- 3. Databases of periodicals:**
 - 3.1. eLIBRARY.RU: scientific electronic library: website / Scientific Electronic Library LLC. - Moscow, [2023]. - URL: <http://elibrary.ru>. - Access mode : for authorization. users. - Text : electronic
 - 3.2. "Grebennikon": electronic library / ID Grebennikov. - Moscow, [2023]. – URL: <https://id2.action-media.ru/Personal/Products>. - Access mode : for authorization. users. - Text : electronic.
- 4. National Electronic Library:** electronic library: federal State information system: website / Ministry of Culture of the Russian Federation; RGB – - Moscow, [2023]. - URL: <https://НЭБ.рф>. - Access mode : for users of the scientific library. - Text : electronic.
- 5. Russian education:** federal portal / founder of the FSAOU DPO TSRGOP and IT. - URL: <http://www.edu.ru>. - Text : electronic.
- 6. Electronic library of USU:** module ABIS Mega-PRO / LLC "Date Express". – URL: <http://lib.ulsu.ru/MegaPro/Web>. - Access mode : for users of the scientific library. - Text : electronic.

Agreed:

Lead engineer / Shchurenko Y.V. /  / 19.04.2023
The position of the worker of Full name signature data
IT& Telecommunication Department


12. SPECIAL CONDITIONS FOR STUDENTS WITH DISABILITIES

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Training students with disabilities is carried out taking into account the peculiarities of psychophysical development, individual capabilities and health of such students. Education of students with disabilities can be organized in conjunction with other students, and separately. If necessary, students from among persons with disabilities (at the request of the student) may be offered one of the following options for the perception of information, taking into account their individual psychophysical characteristics:


- for persons with visual impairment: in printed form in large print; 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 the involvement of a tiflosurdoperevodchika; individual tasks and consultations.
- for persons with hearing impairment: in printed form; in the form of an electronic document; video materials with subtitles; individual consultations with the assistance of a sign language interpreter; individual tasks and consultations.
- for persons with musculoskeletal disorders: 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 "Disaster 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.		16.05. 2024
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.		16.05. 2024

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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, [2024]. – 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, [2024]. - 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, [2024]. – 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, [2024]. – URL: <https://www.rosmedlib.ru>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.5. Большая медицинская библиотека : электронно-библиотечная система : сайт / ООО «Букап». – Томск, [2024]. – 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, [2024]. – URL: <https://e.lanbook.com>. – Режим доступа: для зарегистрир. пользователей. – Текст : электронный.

1.7. ЭБС Znanium.com : электронно-библиотечная система : сайт / ООО «Знаниум». - Москва, [2024]. - 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, [2024].

3. eLIBRARY.RU: научная электронная библиотека : сайт / ООО «Научная Электронная Библиотека». – Москва, [2024]. – URL: <http://elibrary.ru>. – Режим доступа : для авториз. пользователей. – Текст : электронный

4. Федеральная государственная информационная система «Национальная электронная библиотека» : электронная библиотека : сайт / ФГБУ РГБ. – Москва, [2024]. – 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.

Инженер ведущий



Щуренко Ю.В.

2024

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Appendix 2

11. EDUCATIONAL-METHODICAL AND INFORMATION SUPPORT OF DISCIPLINE

Disaster medicine

a) List of recommended literature

Core reading:

3. 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>
4. Levchuk, I. P. Life Safety in Medicine: textbook / I. P. Levchuk, A. P. Nazarov, M. V. Kostyuchenko. - Moscow: GEOTAR-Media, 2021. - 112 p. - 112 с. - ISBN 978-5-9704-5998-0. - Текст: электронный // ЭБС "Консультант студента": [сайт]. - URL: <https://www.studentlibrary.ru/book/ISBN9785970459980.html>

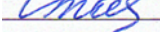
Supplementary reading:

4. 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>
5. 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>

b) Educational and methodical literature

Belyi L.E. Methodical guidelines for self-study work of students in the discipline «Disaster Medicine» for specialty 31.05.01 «General medicine» / L. E. Belyi; Ulyanovsk State University, The Institute of Medicine, Ecology and Physical Culture. - Ulyanovsk : UISU, 2022. - Неопубликованный ресурс; На англ. яз. - URL: <http://lib.ulsu.ru/MegaPro/Download/MObject/11548>. - Режим доступа: ЭБС УлГУ. - Текст : электронный.

AGREED:

Leading specialist Стадольникова/  / 26.04.2024_

The position of the worker scientific library Full name signature date