FEDERAL STATE BUDGET EDUCATIONAL INSTITUTION OF HIGHER EDUCATION "ROSTOV STATE MEDICAL UNIVERSITY" MINISTRY OF HEALTH OF THE RUSSIAN FEDERATION

Faculty of Education of foreign students, residents and postgraduates

CONFIRM
Supervisor
educational program
_____ / E.S. Belousova /
(signature) *(FULL NAME.)*
"30" августа 2023

DISCIPLINE WORKING PROGRAM

Life safety

Speciality 31.05.01 General medicine

Form of education full-time

Rostov-on-Don
2023

I. GOALS AND OBJECTIVES OF MASTERING THE DISCIPLINE

1.1 Goalsmastering the discipline: developing a culture of safety, readiness and ability to act as intended in various types of emergency situations (ES) in peacetime and war.
1.2 Realization of goals is achieved by solving the following main tasks: a) understanding:
-problems, threats and risks associated with human life in everyday conditions;
-risks caused by the impact of damaging factors of various types of emergency situations;
-risks associated with the use of modern means of armed warfare;
- the role and importance of health care professionals in eliminating the health consequences of emergency situations;
- features of the supply of medical and sanitary equipment to formations and institutions operating in centers of mass destruction in peacetime and wartime;
-the need to understand the fundamentals of scientific analysis in the field of safety in general and medical safety in particular.
b) acquisitions:
-knowledge about the essence and development of major accidents and disasters, the subsequent formation of emergencies in a particular territory (object), about the creation and functioning of the Unified State System for the Prevention and Elimination of Emergency Situations (RSChS);
-knowledge on organizing the functioning and improvement of the system of medical and sanitary provision of the population in emergencies, organizing the provision of first aid and pre-medical care to victims of emergencies in peacetime and war;
c) formations:
-culture of professional safety. Ability to identify hazards and assess risks in the field of their professional activities;
- ability and readiness to organize medical and sanitary provision of the population during liquidation of the consequences of emergencies of a natural, man-made and social nature;
-abilities for competent and reasoned justification of management decisions made from a safety point of view;
-motivation and ability to independently improve the level of safety culture.

II. REQUIREMENTS FOR THE RESULTS OF MASTERING THE DISCIPLINE

The study of the discipline is aimed at developing competencies in accordance with the Federal State Educational Standard of Higher Education and the EP of Higher Education in this specialty:
2.1 Universal: UK-8

III. THE PLACE OF DISCIPLINE IN THE STRUCTURE OF EP VO

3.1. The discipline refers to the mandatory part of the educational relationship formed by the participants and is a basic (mandatory) part of the professional cycle of disciplines.

IV. CONTENT AND STRUCTURE OF THE

DISCIPLINE Labor intensity of the discipline in 3

hours 108

4.1. Sections of the discipline studied in the 3rd semester

Section number	Section name	Number of hours					
		Total	Contact work				SRO*
			L	WITH	ETC	Copy	
Semester 3							
1	Life safety Intermediate form certification test	108	18	46			44
Total:		108	18	46			44

4.2. Contact work

Lectures

Section number	Lecture no.	Lecture topics	Number of hours
Semester 3			
I	Subject No. 1	Methodological and legal foundations of human life safety	2
	Subject No. 2	National security of Russia. Terrorism is a threat to the security of the Russian Federation	2
	Subject No. 3	Modern wars and armed conflicts. Means of armed struggle. Damaging factors of modern types of weapons	2
	Subject No. 4	Emergency situations, classification, medical and health consequences	2
	Subject No. 5	Objectives and organizational structure of RSChS	2
	Subject No. 6	Basic principles and legal framework for protecting the population. Civil defense system of the Russian Federation	4
	Subject No. 7	Basics of organizing population protection during emergencies	2
	Subject No. 8	Medical occupational safety	2

Seminars

Section number	Seminar number PR	Seminar topics	Number of hours	Forms of current control
Semester 3				
I	1	Human habitat. Risk factors. Human adaptation	2	Oral survey
	2	Types, directions, approaches, methods, methods and means of ensuring life safety	2	Test
	3	Legal basis for ensuring safety and security.Culture securityvital activity	2	Oral survey
	4	National security Russia.System of national interests	2	Oral survey
	5	Fundamentals of mobilization preparation and mobilization of healthcare	2	Test
	6	Modern Wars armedconflicts. Striking factors modern types of weapons	2	Test
	7	Basic concepts, definitions, classification, medical and health consequences of emergency situations	2	Test
	8	Development phases and damaging factors of emergency situations	2	Oral survey
	9	Assessment Methodology medicalsituation in case of occurrence of lesions in emergency situations	2	Oral questioning, test
	10	Basic principles and normative legal framework for protecting the population during emergencies	2	Test
	eleven	Technical means of individual and collective protection	4	Oral questioning, test
	12	Personal medical protective equipment	6	Oral questioning, test
	13	Sanitation and special treatment	2	Oral survey
	14	Organization of provisionfirst helpvictims of emergencies at terrorist acts	2	Test

Section number	Seminar number PR	Seminar topics	Number of hours	Forms of current control
	15	Organization of medical and psychological assistance to the population, medical workers and rescuers during emergencies	2	Oral survey
	16	Medical occupational safety. Characteristics of threats to the life and health of medical workers	4	Oral questioning, test
	17	Safety requirements when working in structural units of medical organizations	4	Oral questioning, test Job
	18	Safety of medical services. Characteristics of threats to the life and health of patients	2	Oral questioning, test

4.3. Independent work of students

Section number	Type of independent work of students	Quantity hours	Forms of current control
Semester 3			
I	Reading the textbook text. Preparing messages for presentation at the seminar. Drawing up a plan and abstract of the answer. Answers to theoretical questions. Completing practical tasks in the workbook. Reviewing the main sections of the course to prepare for testing	44	Oral survey testing, preparation of abstract

V. ASSESSMENT MATERIALS FOR CURRENT CONTROL AND INTERMEDIATE CERTIFICATION
(is an appendix to the work program)

VI. EDUCATIONAL AND METHODOLOGICAL SUPPORT OF DISCIPLINE

6.1. Main literature.

1. Disaster Medicine: I.V. Rogozina - Moscow GEOTAR - Media.2015.-152 p.- Access from EBS “doctor consultant”.

2.Levchuk I.P. Disaster Medicine: course of lectures: textbook / I.P. Levchuk, N.V. Tretyakov-Moscow: GEOTAR - Media, 2011.-238 p. Access from EBS “doctor consultant”.

6.2. Additional literature.

1.Emergency medicine: textbook A.O.Ivanov, O.E.Barachevsky, S.M.Groshilin – Arkhangelsk, 2020.-372p.

2.Shelepov A.M. (Organization and tactics of the medical service: textbook / A.M. Shelepov, L.M. Kostenko, O.V. Babenko - St. Petersburg: FOLIANT, 2005.-504 p.

3.Sakhno V.I. Organization of medical care to the population in emergency situations: textbook / V.I. Sakhno, G.I. Zakharov, N.I. Karlin [etc.], St. Petersburg, FOLIANT, 2003-248s

6.3. Internet resources

	ELECTRONIC EDUCATIONAL RESOURCES	**Access to the resource**
	Student Advisor[Kits: “Medicine. Healthcare. IN"; "Medicine. Healthcare. SPO"; "Psychological Sciences"]: Electronic library system. – Moscow: LLC "Polytekhresurs" - URL:https://www.studentlibrary.ru + opportunities for inclusive education	Unlimited access
	Doctor's consultant. Electronic medical library: Electronic library system. – Moscow: LLC “Higher School of Organization and Management of Healthcare. Comprehensive medical consulting." - URL:http://www.rosmedlib.ru+ opportunities for inclusive education	Unlimited access
	Federal Electronic Medical Library of the Russian Ministry of Health. - URL:https://femb.ru/femb/	Openacces s
	Med-Edu.ru: medical educational video portal. - URL:http://www.med-edu.ru/. Free registration.	Openacces s
	BEARWEST : Russian doctor portal [library, database knowledge]. - URL:https://medvestnik.ru	Open access
	Scientific heritage of Russia: eelectronic library /MSC RAS.- URL:http://www.e-heritage.ru/	Openacces s
	OtherOpen resources can be found at:http://rostgmu.ru → Library → Electronic catalog → Open Internet resources → further by keyword…	

6.4. Guidelines for students on mastering the discipline

A distinctive feature of this program is the use of e-learning and distance learning technologies; it is possible to conduct individual lessons.

Training consists of classroom sessions, including lectures, seminars and independent work. The lectures present the main theoretical principles, new scientific achievements and prospects for the development of the discipline. They must be relevant and problematic.

When studying an academic discipline, it is necessary to use basic and additional educational literature, periodic scientific sources and master practical skills in terms of providing emergency care, using protective equipment, performing anti-epidemic measures, organizing medical triage of the affected, etc.

At seminar classes, in an atmosphere of creative discussion, the most complex issues of the material being studied are discussed in order to deepen and consolidate the knowledge students received at lectures and in the process of independent work on educational material.

Independent work, carried out under the guidance of teachers, is one of the forms of educational work and is intended for studying new material, practical consolidation of knowledge and skills, and teaching students to individually complete tasks on program material.

The organization and methodology of conducting classes must be constantly improved taking into account new advances in healthcare, increasing requirements and the intensification of the educational process.

When conducting classes, special attention should be paid to shaping the thinking of a doctor working in extreme conditions, and instilling in students the concepts and certain skills and abilities of medical and psychological correction necessary for them to work as intended.

Independent work of students involves preparing abstracts, answering test tasks, including working with literary sources, preparing for practical and seminar classes.

Working with educational literature is considered as a type of educational work in the discipline Life Safety and is performed within the hours allocated for its study (in the SRS section).

While studying the academic discipline, students independently analyze specific situations, draw up primary medical documentation and learn how to carry out practical medical and evacuation measures.

Writing an abstract, analyzing specific situations, practicing skills in diagnosing the forms and severity of lesions, organizing medical triage and evacuation, and performing emergency measures contribute to the formation of practical skills that ensure the acquisition of competencies provided for in the training program.

Student work in a group develops a sense of teamwork and communication skills.

Each student is provided with access to the library funds of the University and the department.

For each section of the academic discipline, methodological recommendations for students and guidelines for teachers have been developed.

The initial level of students' knowledge is determined by an oral survey, the current control of mastering the subject is determined by a written survey during classes, when solving typical situational problems and answering test tasks.

Methodological recommendations for writing an essay

Essay– a brief record of ideas contained in one or more sources, which requires the ability to compare and analyze different points of view.

An abstract is one of the forms of interpretation of the source text or several sources. Therefore, the abstract, unlike the synopsis, is a new, original text. Novelty in this case implies a new presentation, systematization

material, a special author's position when comparing different points of view.

Abstracting involves presenting a question based on classification, generalization, analysis and synthesis of one or more sources.

Abstract specifics:

• does not contain detailed evidence, comparisons, reasoning, assessments,

• gives an answer to the question of what is new and significant contained in the text.

Abstract structure:

1) title page;

2) work plan indicating the pages of each question, sub-question (item);

3) introduction;

4) textual presentation of the material, divided into questions and sub-questions (points, sub-points) with the necessary links to sources used by the author;

5) conclusion;

6) list of used literature;

7) applications that consist of tables, diagrams, graphs, drawings, diagrams (optional part of the abstract).

Applications are arranged sequentially, according to headings that reflect their content.

Requirements for the preparation of an abstract.

The volume of the abstract is 10-15 printed pages. The work is done on one side of a standard size sheet. On both sides of the sheet, margins of 35 mm on the left and 15 mm on the right are left, font size 14 is recommended, spacing is 1.5. All pages of the abstract must be numbered. Each question in the text must have a title in exact accordance with the name in the table of contents.

The abstract is assessed by the supervisor based on the indicators and criteria for assessing the abstract established by the department.

6.5 Guidelines for students on mastering the discipline using e-learning and distance learning technologies.

The educational process will be carried out through:

- Moodle platforms
- Email
- Skype software
- social network VKontakte.

In the process of distance learning, all relationships "teacher-student" and "student-student", within the framework of the implementation of educational programs, are carried out indirectly via the Internet.

Each student must ensure that they have an Internet browser and an Internet connection using a personal computer, laptop, tablet, mobile phone or any other convenient device.

The educational process is carried out remotely according to the schedule. All students attend training sessions online in accordance with

schedule.

The teacher will contact the leaders of student groups according to the schedule, notifying them of the start of the lesson. Group leaders inform the teacher about the group's readiness for distance learning, respectively, having previously surveyed all students in the group.

Having received assignments from the teacher, students independently and timely study the educational material provided for in the work program, strictly follow the instructions received, observing the time deadlines. Students provide the teacher with completed assignments in accordance with the established deadlines in order to receive timely comments, remarks and grades.

Lectures are given in streams on-line after registration of those present and presentations are shown. Students undergo ongoing monitoring in the form of completing test tasks on each topic covered. Interim certification in accordance with the curriculum. Monitoring of class attendance according to the schedule is maintained.

Students studying on the Moodle platform receive an email with a login and password and a link to the course. A reminder about working with the course is placed in each of the electronic training courses that the student masters. A student who has not provided information about his email to the head of the student group contacts the teacher independently, having previously created an email and provided information about it.

Course structure of the academic discipline

When teaching students using distance learning technologies, the loaded training course includes the following blocks:

- Theoretical block: lecture notes, illustrated materials and presentations, multimedia elements, training test and self-control, orientation slide lectures, etc.

- Competency building block: tasks for filling out workbooks, solving situational problems and completing tests.

- Control and measuring unit: a database of test tasks and questions for self-control.

- Methodological block: work program, guide for students on studying the discipline, guide for teaching staff on teaching the discipline.

- Reference block: glossary. bibliography. annotated list of Internet resources. Regulatory and other documents.

- Information block: annotations of the discipline. information about the authors of the educational course.

After creating a course, the teacher must sign up the students who will study it for the course. In their personal account, each student will see courses, and test assignments in the schedule.

Current control

It is necessary to ensure that students have the opportunity to undergo ongoing monitoring for the entire semester at the LMS. To achieve this task, Moodle has extensive capabilities:

- The course element “Test” consists of 20 tasks with four possible answers, of which one is correct; time to solve is 20 minutes; two attempts. Moreover, a second attempt is possible after re-studying the lecture materials and watching the presentation. Each attempt is scored automatically and the score is recorded in the grade book.

- The "Assignment" learning element allows the teacher to collect student work, grade it and provide feedback. The final grade is recorded in the grade book.

Interim certification

Passing the intermediate certification in the form of a test is awarded based on the results of the current control. To do this, you are given the opportunity to pass the current control using the LMS before a certain date, which is posted on the course notice board.

6.6 Guidelines for disabled students and persons with limited health capabilities.

Mastering the discipline of this category of students is carried out using general and special purpose teaching aids. When mastering a discipline according to an individual plan, it is assumed: studying the discipline using e-learning and distance learning technologies; individual consultations with the teacher (explanation of educational material and in-depth study of the material) as well as individual independent work.

During the learning process, these students are provided with information in forms adapted to the limitations of their health and perception of information:

For persons with visual impairments - in printed form in enlarged font, as well as in the form of an electronic document. If necessary, the information can be presented in the form of an audio file.

For persons with hearing impairment - in printed form and in the form of an electronic document.

For persons with musculoskeletal disorders - in printed form and in the form of an electronic document.

This list can be specified depending on the student population.

VII. MATERIAL AND TECHNICAL SUPPORT OF DISCIPLINE

No.	Disciplines (modules):	Address (location) of classrooms, names of equipped classrooms, facilities for conducting practical and laboratory classes, physical education and sports facilities with a list main equipment	Equipment of the classroom (technical means, sets of demonstration equipment, laboratory equipment, etc.)
1	2	3	4
	Life safety. Emergency Medicine.	9th floor. ULK RostGMU, No. 902 (lecture hall) 24 student desks, 1 teacher's chair, 1 tribune, 1 student's wall board, 3 leather chairs.	Multimedia equipment. Screen. Demonstration equipment, stands: unified state system for emergency prevention and response; basics of civil engineering; NASF them organization, application and capabilities; organization of civil society in cities and regions; actions of the population in response to civil defense warning signals; modern means of destruction; terrorism is a threat to society; organizational foundations and protection of the population in emergencies; classification of natural and man-made emergencies; actions of the population during accidents and disasters.
		9th floor. ULK RostGMU, No. 903 14 teaching tables, 1 teacher's table, 1 blackboard student wall-mounted, 29 chairs, 1 teacher chair	Demonstration equipment, screen, stands: medical personal protective equipment; organization All-Russiandisaster medicine services federal and regional levels; organization All-Russian Service for Disaster Medicine at the territorial, local and facility levels; protection of the population in emergencies; Remedies respiratory organs; actions

			population during natural disasters; actions of the population in case of accidents and disasters; classification of emergency situations.
		9th floor. ULK RostSMU, No. 907 12 study tables, 25 chairs, 1 student wall board, 1 chair teacher, 1 teacher table	Demonstration equipment, screen, stands: dosimetric instruments: stand No. 1 (IMD-21, DP-64); layout-DP-64 diagram; layout diagram of DP-5A; dosimetric devices stand No. 2 (DP-22V, DKP-50, ID-1, ID-eleven); respiratory protection equipment (gas masks: GP-5, GP-7, GP-7V, GP-7 VM; respirators: FG-310, “petal”, R-2); stand with dummies “Damages of skin and eyes due to cytotoxicants” (mustard gas, lewisite); chemical reconnaissance simulator with elements for assessing the chemical situation; training stand – simulator for the dynamics of the radiation situation, radiation reconnaissance and training techniques radiometricmeasure ments.
		9th floor. ULK RostSMU, No. 908 13 study tables, 26 chairs, 1 student wall board, 1 chair teacher, 1 teacher table	Demonstration equipment, screen, stands: purpose and tasks of civil defense; Unified State System for Prevention and Elimination of Emergency Situations (RSChS); personal protective equipment in emergencies; actions of the population in man-made emergencies; actions of the population during natural disasters; hospital base; protective structures.

		9th floor. ULK RostSMU, No. 909 13 teaching tables, 34 chairs, 1 teacher’s chair, 1 teacher’s table, 1 student’s wall board.	Means of environmental correction Measures to evacuate the population from hazardous areas Means of indicating pathogenic factors Means of increasing the body's resistance Means of warning about danger.