Документ подписан простой электронной подписью
Информация о владельце:
ФИО: Стегний Кирилл Владимирович
Должность: И.о. ректора
Дата подписания: 12.03.2026 09:03:25
Уникальный программный ключ:
d59234ba928aea5c04c54eb9013e367220b6b2ae

Federal State Budget Educational Institution
of Higher Education
Pacific State Medical University
of the Ministry of Health of the Russian Federation

APPROVED BY
First Vice-Rector

_____ / Trankovskaya L.V./
"9" июня 2025

DISCIPLINE WORK PROGRAM

Б1.О.48 Health and safety

(name of discipline)

Specialty	**31.05.01 General Medicine for international students (in English)** (code, name)
Degree	Specialist's degree
Profile	02 "Healthcare" (in the field of providing primary health care to the population in medical organizations: polyclinics, outpatient clinics, inpatient/outpatient facilities of the municipal health care system)
Mode of study	Full-time
Period of mastering the BEP	**6 years** (nominal length of study)
Department	of Disaster Medicine and Health and Safety

Vladivostok, 2025

Program of the discipline **Б1.О.48 Health and safety** is based on:
1) Federal State Educational Standard of Higher Education for the specialty approved by the Order No. 988 of Ministry of Science and Higher Education of the Russian Federation dated August 12, 2020.

2) Curriculum for the 31.05.01 General Medicine for international students (in English), profile 02 "Healthcare" (in the field of providing primary health care to the population in medical organizations: polyclinics, outpatient clinics, inpatient/outpatient facilities of the municipal health care system), approved by the Academic Council of FSBEI HE PSMU of the Ministry of Health of Russia, Report No. 8/24-25 dated March 31, 2025.

Work program for the discipline was developed by the writing team of the Department of Disaster Medicine and Health and Safety of the FSBEI HE PSMU of the Ministry of Health of Russia, under the guidance of the head of the department Doctor of Medical Sciences, Professor Kotelnikov V.N.

Developed by:

Head of the department	Doctor of Medical Sciences, Professor	Kotelnikov V.N.
(position held)	(academic degree, academic title)	(full name)

1. GENERAL PROVISIONS

1.1. Purpose and Objectives of Mastering Б1.О.48 Health and safety

The purpose of mastering the discipline is developing a culture of safety, readiness and ability to work in emergency situations of peacetime and wartime.

Objectives of mastering the discipline:

1. Develop an understanding of the problems and risks associated with human life.
2. Acquire theoretical knowledge about the nature and development of emergencies, disasters, accidents, and the structural components of the Russian emergency prevention and response system, as taught by the core department.
3. Acquire knowledge of the system of medical and sanitary support for the population in emergency situations and the ability to organize the provision of medical, pre-hospital, and first aid in emergency situations in peacetime and wartime.
4. Develop readiness to participate in measures to protect the population and medical personnel in peacetime and wartime.
5. Develop skills in studying scientific literature and official statistical reviews.

2. DISCIPLINE AS PART OF THE BASIC EDUCATIONAL PROGRAM

Discipline **Б1.О.06 Biology** is included in the Mandatory part of the Unit 1 of the basic educational program for the specialty 31.05.01 General Medicine for international students (in English), profile 02 "Healthcare" (in the field of providing primary health care to the population in medical organizations: polyclinics, outpatient clinics, inpatient/outpatient facilities of the municipal health care system), and is part of the 1st and 2nd semesters' curriculum.

3. PLANNED LEARNING OUTCOMES OF THE DISCIPLINE

3.1. Mastering the discipline **Б1.О.48 Health and safety** is aimed at the development of students' competencies. The discipline facilitates the development of students' competencies corresponding to the types of professional activity.

Name of competency category (group) / Labor function	**Code and Name of competency of the graduate**	**Competency Indicators**
Universal Competencies		
Health and Safety	UC-8. Is able to create and maintain safe living conditions and workplace while preserving the natural environment and ensuring sustainable societal development, including under the danger and occurrence of emergencies or military conflicts	CI.UC-8_1- estimates life safety conditions necessary to preserve the natural environment and ensure sustainable societal development CI.UC-8_2- identifies harmful occupational agents and hazardous conditions within the framework of professional activity, follows safety precautions and takes measures to prevent emergencies in the process of achieving objectives of professional activity CI.UC-8_3- understands the scope of professional activity during natural and man-made emergencies or military conflicts
General Professional Competencies		
Primary health care	GPC-6. Is able to manage patient care, provide primary health care, ensure efficient decision-making at prehospital stage in case of medical emergencies, in emergency situations, during epidemics, and in areas affected by weapons of mass destruction	CI.GPC-6_1- defines objectives and manages patient care CI.GPC-6_2- provides primary health care at prehospital stage in case of medical emergencies CI.GPC-6_3- - identifies necessary types and scope of primary health care during emergencies, epidemics, and in areas affected by weapons of mass destruction

Professional Competencies		
A/01.7 Providing emergency or urgent medical care to the patient	PC-1. Ability and readiness to provide emergency medical care in conditions requiring urgent medical intervention	CI.PC -1_1- has a grasp of conditions requiring emergency and urgent medical care; CI.PC -1_2- identifies main priority methods of emergency medical care; CI.PC -1_3- demonstrates skills of providing emergency or urgent care for conditions requiring urgent medical intervention

3.2. Types of professional activity corresponding to competencies developed over the course of mastering **Б1.О.48 Health and safety**:

Types of professional activity objectives

1. *Medical*

Kinds of professional activity objectives

1. *Diagnostics*
2. *Treatment*

3.3. Planned learning outcomes of mastering the discipline are represented by knowledge, skills, abilities and/or experience, characterize the stages of developing competencies and ensure achievement of the planned outcomes of mastering the basic educational program. Learning outcomes of a discipline are correlated with competency indicators.

4. SCOPE AND CONTENT OF THE DISCIPLINE

4.1. Scope of the Discipline and Types of Academic Work

Type of Academic Work		**Total Hours**	**Semesters**
			2
			hours
1		2	3
Classroom hours (total), including:		**46**	**46**
Lectures (L)		14	14
Practical classes (C)		32	32
Electronic educational resource (EER): including online asynchronous lectures		14	14
Independent work of the student (IW), including:		**26**	**26**
Preparing for classes (CP)		26	26
Type of interim assessment	pass/fail test (T)	T	T
	exam (E)		
TOTAL: TOTAL credit value	hrs.	**72**	**72**
	credits	**2**	**2**

4.2. Contents of the Discipline

4.2.1. Topics of Discipline Lectures and Academic Hours per Semester

No.	**Lecture Topic**	**Hours**
1	2	3
	Semester No. 2	
1.	Theoretical basis of health and safety	2

2.	Natural emergencies and population protection: potential of the Big-Data-driven technology	2
3.	Technological (manmade) and social emergencies and population protection	2
4.	Problems of national and international security of the Russian Federation	2
5.	Civil defense and fire safety in an educational institution	2
6.	Occupational safety and health. Negative factors of the environment	2
7.	Organization of medical care and methods of providing medical care to victims in combat situations and emergency situations	2
	Hours per semester total	**14**

4.2.2. Topics of Discipline Practical Classes and Academic Hours per Semester

No.	**Practical Class Topic**	**Hours**
1	2	3
	Semester No. 2	
1	Theoretical basis of health and safety	4
2	Natural emergencies and population protection: potential of the Big-Data-driven technology	4
3	Technological (manmade) emergencies and population protection	4
4	Social emergencies and population protection	4
5	Problems of national and international security of the Russian Federation	4
6	Civil defense and fire safety in an educational institution	4
7	Occupational safety and health. Negative factors of the environment	4
8	Organization of medical care and methods of providing medical care to victims in combat situations and emergency situations	4
	Hours per semester total	**32**

4.2.3. Independent Work of the Student

No.	**Name of the Discipline Section**	**Type of IW**	**Total Hours**
1	3	4	5
	Semester No. 2		
1	Natural emergencies and population protection, the possibilities of big data technologies with digital tools **Google Data Studio, Apache Hadoop, Jupyter Notebook**	Preparing for practical classes, writing a report on the results of the individual work, preparing for continuous assessment, working with case studies	26
Hours per semester total			**26**

5. REQUIREMENTS FOR IMPLEMENTATION OF DISCIPLINE

5.1. Discipline Requirements for Educational Materials and Provided Information

Essential reading

No.	**Name/Title, Resource Type**	**Author(s)/Editor**	**Publisher Imprint, Web Address**	**Number of Copies (accesses) in the Library and Information Center**
1	**2**	**3**	**4**	**5**
1	Life Safety in Medicine : textbook	I. P. Levchuk, A. P.	- M. : ГЭОТАР-Медиа,	Unlimited

		Nazarov, M. V. Kostyuchenko	2021. - 112 с http://biblioclub.ru	access
2	Life safety: Textbook	I. M. Chizh, S. N. Rusanov	M. : MIA, 2019. - 120 p http://www.studentlibrary.ru	Unlimited access
	Медицина катастроф: учебник на английском и русском языках	И. П. Левчук, А. П. Назаров, Ю. А. Назарова	М. : ГЭОТАР-Медиа, 2021. - 240 с. http://biblioclub.ru	Unlimited access

Supplementary reading

No.	**Name/Title, Resource Type**	**Author(s)/Editor**	**Publisher Imprint, Web Address**	**Number of Copies (accesses) in the Library and Information Center**
1	**2**	**3**	**4**	**5**
1	First aid in case of accidents and disasters	I. P. Levchuk, M. V. Kostyuchenko	М. : ГЭОТАР-Медиа, 2023. - 128 с http://www.studentlibrary.ru	Unlimited access
2	Disaster medicine : textbook	A. V. Garkavi, G. M. Kavalersky	М. : ГЭОТАР-Медиа, 2019. - 303 p	1

Online resources

1. Electronic library system "Student Consultant" http://studmedlib.ru/
2. Electronic library system "University Library Online"http://www.biblioclub.ru/
3. Electronic library system "Urait" https://urait.ru/
4. Electronic library system "BookUp" https://www.books-up.ru/
5. Resources owned by the Library and Information Center of FSBEI HE PSMU of the Ministry of Health of Russia https://tgmu.ru/university/bibliotechno-informacionnyj-centr/resursy-bic/sobstvennye/

Online resources and respective user guides are available on the Library and Information Center website Library and Information Center — PSMU (tgmu.ru)

5.2. Discipline Requirements for Facilities and Resources

Information on the facility and resource availability and requirements of the discipline is available on the Facility and resource availability and requirements. FSBEI HE PSMU of the Ministry of Health of Russia (tgmu.ru)" page of the official website of the university.

5.3. List of Information Technologies, Information and Reference Systems, Licensed

and Free Software (Including Domestically-developed Software):

1. PolycomTelepresence M100 Desktop Conferencing Application (Videoconference system)
2. SunRav Software tTester
3. 7-PDF Split & Merge
4. ABBYYFineReader
5. Kaspersky Endpoint Security
6. INDIGO online testing system
7. Microsoft Windows 7
8. Microsoft Office Pro Plus 2013
9. 1C:University
10. GARANT system
11. MOODLE (Modular Object-Oriented Dynamic Learning Environment)

6. ASPECTS OF THE IMPLEMENTATION OF THE DISCIPLINE FOR STUDENTS WITH DISABILITIES AND SPECIAL NEEDS

6.1. Availability of Accessible Environment

For students with disabilities and special needs, if a written application is submitted, lectures and practical classes are carried out taking into account health limitations, individual capabilities and medical status (hereinafter referred to as individual characteristics) of the student. Compliance with the following general requirements is ensured: teaching aids for collective and individual use are provided, required technical assistance is provided by an assistant; buildings and premises where lectures and practical classes are taking place meet accessibility requirements, other arrangements lack of which makes it impossible or difficult to master the discipline are made.

6.2. Ensuring Compliance with General Requirements

When lectures and practical classes are carried out at the written application of the student, the following general requirements are met: lectures and practical classes for students with disabilities and special needs take place at the same location as for students who do not have disabilities, if this does not cause difficulties for students; an assistant (assistants), who provide(s) students with the necessary technical assistance taking into account individual characteristics of the student, is (are) provided; necessary teaching aids are provided, taking into account individual characteristics of the student.

6.3. Availability of the Internal Policies and Procedures of FSBEI HE PSMU of the Ministry of Health of Russia to Students with Disabilities in a Format Accessible to Them.

All internal policies and procedures of FSBEI HE PSMU of the Ministry of Health of Russia concerning the discipline are made available to students with disabilities in a format accessible to them.

6.4. Increase in the Time Limit of Interim Assessment for Students with Disabilities and Special Needs in Relation to the Established duration

Format of the interim assessment of academic performance within the scope of the discipline conducted for students with disabilities and special needs is selected taking into account individual characteristics of the students (orally, by writing on paper, by typing on a computer, as a test, etc.). The duration of the interim assessment in relation to the established duration is increased at the written application of the student with disabilities. Time limit for the student's preparation for the test is increased by at least 0.5 hours.

7. STAFFING REQUIREMENTS OF THE DISCIPLINE

Academic teaching personnel that ensure the implementation of the discipline education process meet the requirements of the Federal State Educational Standard of Higher Education for the 31.05.01 General Medicine specialty; list of the aforementioned personnel is available on the website of the educational organization.

8. TUTORIAL WORK

Type of tutorial work	Forms and approaches to tutorial work	Assessment criteria
Assistance in personal growth	Overt Talks and problem-centric debates aimed at promotion of healthy lifestyle. Participation in interdepartmental conferences aimed at formation of healthy lifestyle and development of skills necessary to preserve and improve health.	Portfolio
	Covert – creating atmosphere and infrastructure. Developing a culture of healthy lifestyle, the ability to preserve and improve health. Creating atmosphere of kindness and respect with a high level of communication during implementation of the discipline.	
Civic position and values	Overt Conducting events that facilitate development of civil culture (roundtable discussions, discussions/debates, and talks). Short discussions on current significant events in case the latter occur.	Portfolio
	Covert Focusing on civic values-oriented position and legal awareness. Cultivating mindful social position during professional activity.	
Social values	Overt Highlighting aspects of organization of healthy lifestyle based on health-preserving technologies. Highlighting ecology-related questions, environmental issues as a factor affecting population health and select population risks.	Portfolio
	Covert Identification in social structure during period of education and in professional activity.	