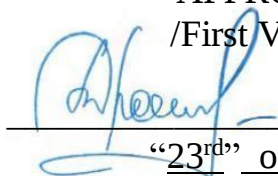


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Federal State Budget Educational Institution
of Higher Education
Pacific State Medical University
of the Ministry of Health of the Russian Federation

APPROVED BY

/First Vice-Rector



/ Dvoynikova E.R./

“23rd” of June 2026

DISCIPLINE WORK PROGRAM

B1.V.12 Medical care during emergencies and disasters

(name of discipline)

Specialty

31.05.01 General Medicine (English-language program)

(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 Anesthesiology, Resuscitation,
Intensive Care, and Emergency Medical
Care

Program of the discipline **B1.V.12 Medical care during emergencies and disasters** 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 (English-language program), 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. 1-7/25-26 dated March 27, 2026.

Work program for the discipline was developed by the writing team of the Department of Anesthesiology, Resuscitation, Intensive Care, and Emergency Medical Care 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 Shumatov V.B.

Developed by:

Assistant Professor	Candidate of Medical Sciences, Associate Professor	Andreeva N.A.
(position held)	(academic degree, academic title)	(full name)
Assistant Professor	Candidate of Medical Sciences	Poleshchuk A.V.
(position held)	(academic degree, academic title)	(full name)
Assistant Professor	Candidate of Medical Sciences, Associate Professor	Balashov M.A.
(position held)	(academic degree, academic title)	(full name)

1. GENERAL PROVISIONS

1.1. Purpose and Objectives of Mastering B1.V.12 Medical care during emergencies and disasters

The purpose of mastering the discipline is to achieve professional competencies that allow one to provide first aid in case of medical emergencies and injuries that occur during emergencies of the peacetime and wartime.

Objectives of mastering the discipline:

1. Learn to identify signs of life-threatening conditions during patient examination;
2. Develop skills of providing first aid in case of medical emergencies and injuries that occur during emergencies and disasters;
3. Improve the skills of performing advanced cardiopulmonary resuscitation during emergencies and disasters.

2. DISCIPLINE AS PART OF THE BASIC EDUCATIONAL PROGRAM

Discipline **B1.V.12 Medical care during emergencies and disasters** is included in the Variative part of the basic educational program for the specialty 31.05.01 General Medicine (English-language program), 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 10th semesters' curriculum.

3. PLANNED LEARNING OUTCOMES OF THE DISCIPLINE

3.1. Mastering the discipline **B1.V.12 Medical care during emergencies and disasters** 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. Able to create and maintain safe living conditions in everyday and professional life to preserve the natural environment and ensure sustainable development of society, including the imminent or actual emergency cases and military conflicts	AI.UC-8 ₁ - assesses the life safety conditions to preserve the natural environment and ensure sustainable development of society AI.UC-8 ₂ - identifies harmful factors and hazardous conditions in the professional area, adheres to safety rules, implements measures to prevent emergencies dealing with professional tasks AI.UC-8 ₃ - recognizes the scope of professional activity during natural and man-made disasters as well as in military conflicts
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	AI.PC-1 ₁ - has a grasp of conditions requiring emergency and urgent medical care; AI.PC-1 ₂ - identifies main priority methods of emergency medical care; AI.PC-1 ₃ - demonstrates skills of providing emergency or urgent care for conditions requiring urgent medical intervention
A/03.7 Prescribing treatment and monitoring its efficiency and safety	PC-6 Ability and readiness to select a type of patient routing based on current medical care procedures	AI.PC-6 ₁ - has a grasp of the distribution of patient flows depending on the patient's reason for seeking medical help;

		AI.PC-62- identifies indications for referral of patients for specialized and high-tech medical care
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3.2. Types of professional activity corresponding to competencies developed over the course of mastering **B1.V.12 Medical care during emergencies and disasters:**

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
			10
			hours
1		2	3
Classroom hours (total), including:		48	48
Lectures (L)		12	12
Practical classes (C)		36	36
Independent work of the student (IW), including:		24	24
<i>Electronic educational resource (EER)</i>			
<i>Preparing for classes (CP)</i>		18	18
<i>Preparing for continuous assessment (CAP)</i>		2	2
<i>Preparation for interim assessment (IAP)</i>		4	4
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. 10		
1.	Advanced cardiopulmonary resuscitation	2
2.	Principles and methods of intensive care in patients in shock	2
3.	Pain syndrome. Principles of anesthesia in extreme conditions	2
4.	Medical aid in case of chest or abdomen injury	2

5.	Principles of providing medical aid in case of multiple traumatic injuries and polytrauma	2
6.	Crush syndrome	2
	Hours per semester total	12

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

No.	Practical Class Topic	Hours
1	2	3
Semester No. 10		
1	Advanced cardiopulmonary resuscitation during emergencies and disasters	6
2	Modern methods of anesthesia	6
3	Principles and methods of intensive care in patients in shock	6
4	Medical aid in case of chest or abdomen injury	6
5	Crush syndrome. Principles of providing medical aid in case of multiple traumatic injuries and polytrauma	6
6	Medical care in case of poisoning during emergencies and disasters / Pass/fail test	6
	Hours per semester total	36

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. 10			
1	Advanced cardiopulmonary resuscitation during emergencies and disasters	Preparing for practical classes, working with case studies	3
2	Modern methods of anesthesia	Preparing for practical classes, working with case studies	3
3	Principles and methods of intensive care in patients in shock	Preparing for practical classes, working with case studies	3
4	Medical aid in case of chest or abdomen injury	Preparing for practical classes, working with case studies	3
5	Crush syndrome. Principles of providing medical aid in case of multiple traumatic injuries and polytrauma	Preparing for practical classes, working with case studies	3
6	Medical care in case of poisoning during emergencies and disasters / Pass/fail test	Preparing for practical classes, working with case studies	3
7	Preparing for continuous assessment (CAP)		2
8	Preparation for interim assessment (IAP)		4
	Hours per semester total		24

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
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				the Library and Information Center
1	2	3	4	5
1	Emergency Medical Care for Acute Diseases and Injuries. A guide for physicians and paramedics [Electronic resource]	edited by N.F. Plavunov	Moscow: GEOTAR-Media, 2023. URL: http://www.rosmedlib.ru/	Unlimited access
2	Emergency Medical Care [Electronic resource]	edited by S.F. Bagnenko	Moscow: GEOTAR-Media, 2022. URL: http://www.rosmedlib.ru/	Unlimited access
3	Cardiopulmonary Resuscitation. Clinical guidelines. A study guide for students [Electronic resource]	Fedorovsky N.V.	Moscow: LLC MIA, 2020. URL: https://www.medlib.ru/library/library/books/498	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	Intensive Care: national guidelines. - Vol. 1: in 2 vols. /. - 2nd ed., revised and enlarged [Electronic resource]	Edited by I.B. Zabolotskikh, D.N. Protsenko	Moscow: GEOTAR-Media, 2022. URL: https://www.studentlibrary.ru/book/ISBN9785970471906.html	Unlimited access
2	Intensive Care: national guidelines. Vol. 2: in 2 vols. /. - 2nd ed., revised and enlarged [Electronic resource]	Edited by I.B. Zabolotskikh, D.N. Protsenko	Moscow: GEOTAR-Media, 2022. URL: https://www.studentlibrary.ru/book/ISBN9785970471913.html	Unlimited access
3	Trauma. Code Red [Electronic resource]	Edited by M. Khan, M. McMonagle, D.M. Nott; edited by S.F. Goncharov, et al.	Moscow: GEOTAR-Media, 2022. URL: https://www.studentlibrary.ru/book/ISBN9785970473474.html	Unlimited access
4	Long-term Crush Syndrome [Electronic resource]	Kolesnik A.I., Donchenko S.V., Kirpichev I.V., Solodilov I.M.	Moscow: GEOTAR-Media, 2021. URL: https://www.studentlibrary.ru/book/ISBN9785970464069.html	Unlimited access
5	Extreme Toxicology. Textbook [Electronic resource]	Edited by G.A. Sofronov, M.V. Aleksandrov	Moscow: GEOTAR-Media, 2021. URL: https://www.studentlibrary.ru/book/ISBN9785970460399.html	Unlimited access

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 \(tgmu.ru\)](https://tgmu.ru/university/bibliotechno-informacionnyj-centr/resursy-bic/sobstvennye/)



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 \(tgmu.ru\)](https://tgmu.ru/university/bibliotechno-informacionnyj-centr/resursy-bic/sobstvennye/) 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.	