Документ подписан простой электронной подписью
Информация о владельце:
ФИО: Стегний Кирилл Владимирович
Должность: И.о. ректора
Дата подписания: 21.07.2026 17:40:24
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.43 First aid. Basic cardiopulmonary resuscitation

(name of discipline)

Specialty	**31.05.03 Dentistry for international students (in English)** (code, name)
Degree	Specialist's degree
Profile	02 "Healthcare" (in the field of providing health care in patients with dental pathology)
Mode of study	Full-time
Period of mastering the BEP	**5 years** (nominal length of study)
Department	of Anesthesiology, Resuscitation, Intensive Care, and Emergency Medical Care

Vladivostok, 2025

Program of the discipline **Б1.О.43 First aid. Basic cardiopulmonary resuscitation** is based on:
1) Federal State Educational Standard of Higher Education for the specialty approved by the Order No. 984 of Ministry of Science and Higher Education of the Russian Federation
dated August 12, 2020.

2) Curriculum for the 31.05.03 Dentistry for international students (in English), profile 02 "Healthcare" (in the field of providing health care in patients with dental pathology),
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 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:

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1. GENERAL PROVISIONS

1.1. Purpose and Objectives of Mastering Б1.О.43 First aid. Basic cardiopulmonary resuscitation

The purpose of mastering the discipline is to develop professional competencies in providing first aid in life-threatening situations and to acquire the skills to perform basic cardiopulmonary resuscitation.

Objectives of mastering the discipline:

1. Learning to recognise the signs of life-threatening conditions when examining a patient;
2. Learning to provide first aid to patients in life-threatening situations;
3. Studying the algorithm for performing basic cardiopulmonary resuscitation.

2. DISCIPLINE AS PART OF THE BASIC EDUCATIONAL PROGRAM

Discipline **Б1.О.43 First aid. Basic cardiopulmonary resuscitation** is included in the Mandatory part of the Unit 1 of the basic educational program for the specialty 31.05.03 Dentistry for international students (in English), profile 02 "Healthcare" (in the field of providing health care in patients with dental pathology), and is part of the 7th semester's curriculum

3. PLANNED LEARNING OUTCOMES OF THE DISCIPLINE

3.1. Mastering the discipline **Б1.О.43 First aid. Basic cardiopulmonary resuscitation** 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)	**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		
Diagnosis and treatment of diseases	GPC-7. Is able to organize work and make professional decisions in emergency situations, during epidemics, and in areas affected by weapons of mass destruction	CI.GPC-7_1- participates in the organization of work in emergency situations, during epidemics, and in areas affected by weapons of mass destruction CI.GPC-7_2- makes professional decisions when organizing work in emergency situations, during epidemics, and in areas affected by weapons of mass destruction CI.GPC-7_3- monitors the efficacy of measures taken in emergency situations, during epidemics, and in areas affected by weapons of mass destruction

3.2. Types of professional activity corresponding to competencies developed over the course of mastering **Б1.О.43 First aid. Basic cardiopulmonary resuscitation**:

Types of professional activity objectives

1. *Medical*

Kinds of professional activity objectives

1. *Examination of the patient in order to make a diagnosis*
2. *Prescribing pharmacological and non-pharmacological treatment and monitoring its efficiency and safety*

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**
			7
			hours
1		2	3
Classroom hours (total), including:		**46**	**46**
Lectures (L)		10	10
Practical classes (C)		36	36
Independent work of the student (IW), including:		**26**	**26**
Preparing for classes (CP)		22	22
Preparing for continuous assessment (CAP)		2	2
Preparation for interim assessment (IAP)		2	2
Interim assessment			
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. 7	
1.	Terminal conditions. Basic cardiopulmonary resuscitation	2
2.	Acute vascular insufficiency. Anaphylaxis	2
3.	Hemorrhage (bleeding) and blood loss. Temporary bleeding arrest methods	2
4.	Fractures. Immobilization and transportation. Rules of triage and transportation	2
5.	Thermal injury	2
	Hours per semester total	**10**

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

No.	Practical Class Topic	Hours
1	2	3
	Semester No. 7	
1	Terminal conditions. Basic cardiopulmonary resuscitation. Automated external defibrillation. Creating maximized airway in patients with foreign body of the airways	6
2	Acute vascular insufficiency, anaphylaxis, or altered level of consciousness: first aid	6
3	Hemorrhage (bleeding) and blood loss. Temporary bleeding arrest methods. Desmurgy	6
4	Orthopedic trauma first aid. Practicing skills involving splints	6
5	Burns, frostbite: first aid	6
6	First aid in case of acute carbon monoxide poisoning, snake bites, insect bites, or ingestion of poisonous mushrooms. 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. 7		
1	Terminal conditions. Basic cardiopulmonary resuscitation. Automated external defibrillation. Creating maximized airway in patients with foreign body of the airways	Preparing for practical classes. Working with case studies	4
2	Acute vascular insufficiency, anaphylaxis, or altered level of consciousness: first aid	Preparing for practical classes. Working with case studies	4
3	Hemorrhage (bleeding) and blood loss. Temporary bleeding arrest methods. Desmurgy	Preparing for practical classes. Working with case studies	4
4	Orthopedic trauma first aid. Practicing skills involving splints	Preparing for practical classes. Working with case studies	4
5	Burns, frostbite: first aid	Preparing for practical classes. Working with case studies	2
6	First aid in case of acute carbon monoxide poisoning, snake bites, insect bites, or ingestion of poisonous mushrooms	Preparing for practical classes. Working with case studies	4
7	Preparing for continuous assessment	Preparing for practical classes. Working with case studies	2
8	Preparation for interim assessment	Preparing for practical classes. Working with case studies	2
	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	First Aid [Electronic resource]	S.V. Demichev	M.: GEOTAR-Media, 2023 URL: https://www.studentlibrary.ru/book/ISBN9785970475430.html	Unlimited access
2	The Basics of First Aid. Training manual [Electronic resource]	Edited by I.P. Minnulin, N.N. Plahov, L.I. Dezhurniy	M.: GEOTAR-Media, 2022 URL: https://www.studentlibrary.ru/book/ISBN9785970472200.html	Unlimited access
3	Cardiopulmonary resuscitation. Clinical recommendations. Training manual for students [Electronic resource]	N.V. Fedorovskiy	M.: OOO 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	Provision of primary pre-hospital medical care in urgent and extreme situations. Textbook [Electronic resource]	I.P. Levchuk S.L. Sokov A.V. Kurochka A.P. Nazarov	M.: GEOTAR-Media, 2023. – 288 c. URL: http://www.rosmedlib.ru/	Unlimited access
2	Emergency and urgent care. General issues in resuscitation [Electronic resource]	A.D. Gekkieva	M.: GEOTAR-Media, 2021. URL: http://www.rosmedlib.ru/	Unlimited access
3	Fundamentals of resuscitation [Electronic resource]	S.A. Sumin T.V. Okunskaya	M.: GEOTAR-Media, 2020 URL: https://www.studentlibrary.ru/book/ISBN9785970454916.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)

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 31.05.03 Dentistry for international students (in English) 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.	