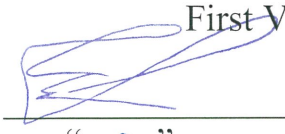
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ФИО: Стегний Кирилл Владимирович
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Federal State Budget Educational Institution
of Higher Education
Pacific State Medical University
of the Ministry of Health of the Russian Federation

APPROVED BY
First Vice-Rector



_____ / Trankovskaya L.V./
"__9__" ____июня_____2025

DISCIPLINE WORK PROGRAM

Б1.В.01 Sanitary science

(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)
Institute	of Preventive Medicine

Vladivostok, 2025

Program of the discipline **Б1.В.01 Sanitary science** 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 Institute of Preventive Medicine of the FSBEI HE PSMU of the Ministry of Health of Russia, under the guidance of the director of the Institute, Doctor of Medical Sciences, professor Trankovskaya L.V.

Developed by:

Assistant Professor	Candidate of Medical Sciences, Associate Professor	Gritsina O.P.
(position held)	(academic degree, academic title)	(full name)
Assistant Professor	Candidate of Medical Sciences	Yamilova O.Y.
(position held)	(academic degree, academic title)	(full name)

1. GENERAL PROVISIONS

1.1. Purpose and Objectives of Mastering Б1.В.01 Sanitary science

The purpose of mastering the discipline is acquiring knowledge, mastering skills, and understanding principles of the most important fundamentals of sanitary science, methods of assessing environmental factors, and the principles of proper organization of sanitary and hygienic regime in dental clinics and hospitals. It also involves applying skills in conducting primary, secondary, and tertiary prevention of diseases in various population groups and forming a preventive focus in one's future profession.

Objectives of mastering the discipline:

1. Master scientific foundations of hygiene and methods of sanitary examination of environmental objects;
2. Developing the ability to implement preventive and anti-epidemic measures aimed at preventing the outbreak of infectious diseases and mass occurrence of non-communicable diseases;
3. Study principles of health-promoting and preventive measures;
4. Develop skills of using natural environmental factors and scientific and technological advancements for the purposes of healthcare;
5. Learn to implement measures aimed at motivating people to preserve and strengthen their health and the health of others in population;
6. Develop the ability to investigate and assess factors of human environment, identify connections between environmental conditions and health changes, and implement measures to mitigate such changes.

2. DISCIPLINE AS PART OF THE BASIC EDUCATIONAL PROGRAM

Discipline **Б1.В.01 Sanitary science** is included in the Part developed by the parties of educational process 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 5th semester's curriculum

3. PLANNED LEARNING OUTCOMES OF THE DISCIPLINE

3.1. Mastering the discipline **Б1.В.01 Sanitary science** is aimed at the development of students' competencies. The discipline facilitates the development of students' competencies corresponding to the types of professional activity.

Labor function	**Code and Name of competency of the graduate**	**Competency Indicators**
Professional Competencies		
A/05.7 Implementation of health and hygiene education measures in general population and professionals aimed at development of a healthy lifestyle	PC-5 Readiness to perform educational activities aimed at eliminating dental pathology risk factors and development of healthy lifestyle skills	CI.PC-5_1- has a grasp of the main criteria of a healthy lifestyle and methods of its development; CI.PC-5_2- has a grasp of methods and formats of education among the population and medical workers aimed at increasing the literacy of the population in matters of sanitary culture and disease prevention; CI.PC-5_3- develops behavior aimed at maintaining and improving health in patients (their relatives/legal representatives)

3.2. Types of professional activity corresponding to competencies developed over the course of mastering **Б1.В.01 Sanitary science**:

Types of professional activity objectives

1. *Medical*

Kinds of professional activity objectives

1. *Implementation of anti-epidemic and other measures of public health protection as well as monitoring their effectiveness;*
2. *Implementation of health and hygiene education measures in general population and professionals aimed at development of a healthy lifestyle*

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**
			5
			hours
1		2	3
Classroom hours (total), including:		**46**	**46**
Lectures (L)		14	14
Practical classes (C)		32	32
Independent work of the student (IW), including:		**26**	**26**
Preparing for classes (CP)		12	12
Preparing for continuous assessment (CAP)		10	10
Preparation for interim assessment (IAP)		4	4
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. 5	
1.	Sanitary science as a science and field of practical activity. General characteristics of the main groups of factors affecting a person; their ranking/grading. Types of preventive measures	2
2.	Hygienic aspects of solar radiation and its artificial analogues	2
3.	Basics of radiation hygiene	2
4.	Air hygiene. Dust pathology. Ventilation	2
5.	Sanitary and epidemiological assessment of the quality and safety of the water	2

	factor of the human habitat	
6.	Fundamentals of workplace hygiene. Specifics of professional activity of a dentist	2
7.	Types of nutrition and their characteristics. Basics of dietary and therapeutic nutrition	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. 5	
1	General methodology of health and hygiene education of the population	4
2	Sanitary assessment of the complex influence of meteorological and microclimatic factors on the human thermal condition at positive and negative air temperatures	4
3	Sanitary significance of vibroacoustic factors of human environment	4
4	Principles of studying non-ionizing electromagnetic and electrostatic fields of man-made origin. Hygienic aspects of cellular (mobile) network use	4
5	Principles for studying ionizing radiation of various origins and its sources	4
6	Rational nutrition. Nutritional diseases and their prevention	4
7	Food poisoning: hygienic diagnosis, prevention, investigation, elimination	4
8	Knowledge control	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.		
1	Sanitary science as a science and field of practical activity	Preparing for practical classes, preparing for the continuous assessment	4
2	Hygienic aspects of the main factors and conditions of the human environment	Preparing for practical classes, preparing for the continuous assessment	6
3	Hygienic aspects of human industrial activity	Preparing for practical classes, preparing for the continuous assessment	6
4	Modern hygienic aspects of population nutrition	Preparing for practical classes, preparing for the continuous assessment	6
5	Preparation for interim assessment	Preparing answers to select questions on the discipline, preparing for the demonstration of practical skills and abilities	4
	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	Educational and methodological textbook for practical classes on hygiene : tutorial	E. A. Shashina, V. V. Makarova.	M. : GEOTAR-Media, 2020. URL: http://www.studentlibrary.ru/	Unlimited access
2	Hygiene : textbook [Electronic resource]	Melnichenko P. I.	M.: GEOTAR-Media, 2023. http://www.studentlibrary.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	Food Hygiene : tutorial [Electronic resource]	Yu. A. Pfarger, V. S. Koveshnikov, V. N.	Tomsk : SibSMU Publishing House, 2018 http://www.studentlibrary.ru/	Unlimited access
2	Methodology for studying nutrition of various population groups (case studies) : study guide [in 2 parts] [Print resource]	L. V. Trankovskaya, G. A. Tarasenko, E. V. Semaiv, [et al.].	Pacific State Medical un. Vladivostok : Medical DV, 2020.	Unlimited access
3	Indicators of physical development and functional tests in hygiene (case studies and methodological materials) : study guide: [in 2 parts] [Print resource]	L. V. Trankovskaya, G. A. Tarasenko, E. V. Semaniv [et al.]	Pacific State Medical un. Vladivostok : Medical DV, 2022.	Unlimited access
4	Measuring and sampling tools in sanitary and hygienic laboratory research : study guide: [in 2 parts] [Print resource]	L. V. Trankovskaya, G. A. Tarasenko, E. V. Semaniv [et al.]	Pacific State Medical un. - Vladivostok: Dv. P. 1. - 2021. - 142, [2] p. P. 2. - 2021. - 126, [2] p.	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 Problem-centric debates, workshops, Olympiads, professional events (volunteers, organizers, administrators) Measures to prevent delinquency, extremism, and deviant behavior. Participation in volunteer events. Participation in events to promote a healthy lifestyle. Participation in subject and interdisciplinary Olympiads, practical skills competitions, applied science conferences and symposia Talks and problem-centric debates on topics of ethics and deontology in interactions with different categories of participants of professional activity	Portfolio
	Covert – creating atmosphere and infrastructure. Developing a culture of healthy lifestyle and cultivating skills aimed at preserving and improving health. Motivating students to participate in professional, research, administrative, and other kinds of professional activity. 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. Cultivating socially-relevant characteristics and personal experience of community work	
Social values	Overt Highlighting aspects of organization of healthy lifestyle based on	Portfolio

	health-preserving technologies. Participation in volunteer events. Highlighting ecology-related questions, environmental issues as a factor affecting population health and select population risks.	
	Covert Identification in social structure during period of education and in professional activity. Development of environmental awareness and sustainable ecological behavior.	