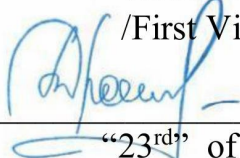


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Информация о владельце:
ФИО: Стегний Кирилл Владимирович
Должность: И.о. ректора
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**Federal State Budget Educational Institution
of Higher Education
"Pacific State Medical University"
of the Ministry of Health of the Russian Federation**

APPROVED BY

/First Vice-Rector

 / Dvoynikova E.R./
"23rd" of June 2026

WORKING PROGRAM OF DISCIPLINE (MODULE)

B1.C.53 Digital health technologies

(name of the discipline (module))

Speciality:	31.05.03 Dentistry for foreign students
Level of training	specialty
Specialization (profile and field of professional activity)	02 Health care (in the field of dental healthcare)
The form of education	full-time
Educational program duration:	5 years
Institute/department	Institute of Dentistry

When developing the working program of the discipline (module) B1.C.53 Digital health technologies is based on:

1) Federal State Educational Standards of Higher Education in the specialty 31.05.03 Dentistry, approved by Order No. 984 dated August 12, 2020 of the Ministry of Science and Higher Education of the Russian Federation.

2) Curriculum for the 31.05.03 Dentistry for foreign students (English-language program), 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. 1-7/25-26 dated March 27, 2026.

Work program for the discipline was developed by the writing team of the Institute of Therapy (Internal Medicine) and Instrumental Diagnostics of the FSBEI HE PSMU of the Ministry of Health of Russia, under the guidance of the director of the Institute, Filatova D.S.

Developers:

<u>Assistant professor</u> (position held)	<u>Candidate of Medical Sciences</u> (academic degree, academic title)	<u>Lebedev S.V.</u> (full name)
<u>Assistant professor</u> (position held)	<u>Candidate of Economic Sciences</u> (academic degree, academic title)	<u>Lugovoi R.A.</u> (full name)
<u>Assistant professor</u> (position held)	<u>Candidate of Economic Sciences</u> (academic degree, academic title)	<u>Soldatova Yu.A.</u> (full name)

1. GENERAL PROVISIONS

1.1. The purpose and objectives of mastering the discipline (module) B1.C.53 Digital health technologies

The purpose of mastering the discipline (module) is B1.C.53 Digital health technologies is to prepare graduates with a set of universal, general professional, and professional competencies. The level of competencies developed allows graduates to perform certain work activities within the scope of the professional standard "Dentist," which corresponds to the professional activities of graduates.

Objectives of the discipline (module) B1.C.53 Digital health technologies is:

1. To develop skills in providing dental care in outpatient and day hospital settings.

2. PLACE OF THE DISCIPLINE (MODULE) IN THE STRUCTURE OF THE BASIC EDUCATIONAL PROGRAM

Discipline (module) B1.C.53 Digital health technologies refers to the part Block 1. Disciplines (modules), The required part of the main educational program the specialty 31.05.03 Dentistry for foreign students, specialization 02 Health care (in the field of dental healthcare) and it is studied in the 5-6 semesters.

3. PLANNED LEARNING OUTCOMES FOR THE DISCIPLINE (MODULE)

3.1. The discipline (module) B1.C.53 Digital health technologies is aimed at developing such students' competencies as: GPC-5, PC-1. The discipline (module) provides students with the formation of competencies, depending on the types of tasks of professional activity.

Competency code	Formulation of competence	Indicators of Competency Achievement
General professional competencies		
Information literacy	GPC-13. Able to solve professional tasks using information, bibliographic resources as well as medical and biological terminology, information and communication technologies complying with the information security requirements	AI.GPC-13 ₁ - searches for and exchanges information using professional bibliographic resources as well as information and communication technologies AI.GPC-13 ₂ - has a good command of biomedical terminology AI.GPC-13 ₃ - knows the information security requirements and complies with the requirements dealing with professional problems

3.2. Types of professional activities, based on those formed during the implementation of B1.C.53 Digital health technologies competencies:

Type of professional activity tasks

1. Medical
2. Research
3. Pedagogical

Kind of professional tasks

1. Conducting an examination of the patient to establish a diagnosis.

3.3. The planned learning outcomes in the discipline (module) are expressed in knowledge, skills, and (or) work experience. The outcomes characterize the stages of competence formation and ensure the achievement of the planned results of mastering the basic educational program. The results of training in the discipline are correlated with indicators of competence achievement.

4. SCOPE AND CONTENT OF THE DISCIPLINE (MODULE)

4.1. Scope of the discipline (module) and types of academic work

Type of academic work	Total hours	Semesters
		6
		hours
1	2	3
Classroom sessions (total), including:	36	36
Lectures	8	8
Practical classes	28	28
Independent work of the student, including:	36	36
Preparation for classes (PC)	16	16
Preparation for routine control (PRC)	20	20
Preparation for midterm examination (PME)		
Type of midterm examination	credit (C)	C
	exam (E)	
Total: Overall labor intensity	hour	72
	Cr	2

4.2. Content of the discipline

4.2.1. Lecture topics and number of hours per semester of study of the discipline (module)

№	Lecture topics	Hours
1	2	3
semester 6		
1.	Digital transformation of healthcare	2
2.	Electronic medical document management systems and medical databases	2
3.	Telehealth and robotic automation	2
4.	Digital health technologies	2
	Total hours per semester	8

4.2.2. Topics of practical classes and number of hours per semester of studying the discipline (module)

№	Practical classes' topics	Hours
1	2	3
semester 6		
1	Digital transformation of healthcare	6
2	Electronic medical document management systems and medical databases	10
3	Telehealth and robotic automation	6
4	Digital health technologies	6
	Total hours per semester	28

4.2.3. Students' selfwork

№	Name of the section of the academic discipline (module)	Types of Selfwork	Total hours
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1	2	3	4
semester 6			
1	Digital transformation of healthcare	Working with educational literature. Working with Electronic educational resource (EER). Preparing for interim assessment	10
2	Electronic medical document management systems and medical databases	Working with educational literature. Working with Electronic educational resource (EER). Preparing for interim assessment	8
3	Telehealth and robotic automation	Working with educational literature. Working with Electronic educational resource (EER). Preparing for interim assessment	10
4	Digital health technologies	Working with educational literature. Working with Electronic educational resource (EER). Preparing for interim assessment	8
Total hours per semester			36

5. CONDITIONS FOR THE IMPLEMENTATION OF THE DISCIPLINE (MODULE)

5.1. Educational, methodological and informational support of the academic discipline (module)

Basic literature

№	Name, type of resource	Author(s) /Editor	Output data, email address	Number of copies (accesses) in LIC
1	2	3	4	5
1.	Medical Electronics: Fundamentals of Biotelemetry: Textbook for Universities [Electronic resource]	V.P. Bakalov	2nd ed., corr. and add. - M.: Urait Publishing House, 2022. - 326 p.	Unlimited access
2.	Medical Information Systems: Textbook [Electronic resource]	T.G. Avacheva, M.N. Dmitrieva, N.V. Doroshina, O.A. Milovanova, E.A. Moiseeva	FSBEI HE RyazSMU of the Ministry of Health of Russia. - Ryazan: OOP UITT&OP, 2019. -- 132 p.	Unlimited access

Additional literature

№	Name, type of resource	Author(s) /Editor	Output data, email address	Number of copies (accesses) to
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				the LIC
1	2	3	4	5
1.	Telemedicine [Electronic resource]	A.V. Vla-dimirsky, G.S. Lebedev	M.: GEOTAR- Media, 2018. - 576 p.	Unlimited access
2.	Intelligent hardware-software complexes for information transmission in telemedicine networks [Electronic re- source]	A.D. Korolev, N.A. Korenevsky, D.N. Kuznetsov, Nguyen The Cuong et al.; edit-ed by Yu.P. Mukha, V.I. Syryamkin	2nd ed., corr. and add. - Tomsk: Tomsk State University Publishing House, 2019. - 360 p.	Unlimited access

Online resources.

1. EBS "Student Consultant" <http://studmedlib.ru/>
2. EBS "University Library Online" <http://www.biblioclub.ru/>
3. EBS "Yurait" <https://urait.ru/>
4. EBS "BookUp" <https://www.books-up.ru/>
5. Resources of the LIC FSBEI HE PSMU of the Ministry of Health of Russia PSMU
<https://tgmru.ru/university/bibliotechno-informacionnyj-centr/resursy-bic/sobstvennye/>

Online resources and instructions for their use are posted on the Library and Information Center page [Library and Information Center — PSMU \(tgmru.ru\)](http://tgmru.ru)



5.2. Material and technical support of the academic discipline (module)

Information about the material and technical support of the discipline is posted on the official website of the university [Logistical support and equipment of the educational process. Pacific State Medical University of the Ministry of Health of the Russian Federation \(tgmru.ru\)](http://tgmru.ru)



5.3. The list of information technologies used for the implementation of the educational process in the discipline (module), information and reference systems, licensed and freely distributed software, including domestic production:

1. PolycomTelepresence M100 Desktop Conferencing Application (BKC)
2. SunRay Software tTester
3. 7-PDF Split & Merge
4. ABBYYFineReader
5. Kaspersky Endpoint Security
6. Online testing system INDIGO
7. Microsoft Windows 7
8. Microsoft Office Pro Plus 2013
9. 1C:University
10. The Guarantor

11. MOODLE(modular object-oriented dynamic learning environment)

6. THE SPECIFICS OF THE DISCIPLINE'S IMPLEMENTATION FOR STUDENTS WITH DISABILITIES AND PEOPLE WITH DISABILITIES

6.1. Availability of appropriate conditions for the implementation of the discipline

For students with disabilities and people with limited health capabilities (LHC), on the basis of a written application, the discipline is implemented taking into account the characteristics of psychophysical development, individual capabilities and health status (hereinafter referred to as individual characteristics). The following general requirements are ensured: the use of special technical means of teaching for collective and individual use, the provision of the services of an assistant (helper) who provides such a student with the necessary technical support, ensuring access to buildings and premises where classes are held, and other conditions without which the study of the discipline is impossible or difficult.

6.2. Ensuring compliance with general requirements

When implementing the discipline on the basis of a written application from the student, the following general requirements are ensured: conducting classes for disabled students and individuals with disabilities (LHC) in the same classroom together with students who do not have disabilities, if this does not create difficulties for the students; the presence in the classroom of an assistant (assistants) providing the students with the necessary technical support, taking into account their individual characteristics; use of the technical means necessary for the student, taking into account their individual characteristics.

6.3. Bringing to the attention of students with disabilities in a form accessible to them all local regulations of the Federal State Budgetary Educational Institution of Higher Education Pacific State Medical University of the Ministry of Health of Russia.

All local regulations of the Federal State Budgetary Educational Institution of Higher Education Pacific State Medical University of the Ministry of Health of the Russian Federation on the implementation of the discipline (module) are communicated to students with disabilities (LHC) in a form accessible to them.

6.4. Implementation of an increase in the duration of the midterm examination in relation to the established duration for students with disabilities

The form of conducting current monitoring and midterm certification in the discipline for disabled students and individuals with limited health capabilities (LHC) is established taking into account individual psychophysical characteristics (orally, in writing on paper, printed on a computer, in the form of testing, etc.).

The duration of the interim certification in relation to the established duration is increased upon written application of the student with disabilities. The duration of the student's preparation for the test is increased by at least 0.5 hours.

7. STAFFING OF THE DISCIPLINE

The scientific and pedagogical staff ensuring the implementation of the educational process in the discipline meets the requirements of the Federal State Educational Standard of Higher Education in the specialty 31.05.03 Dentistry for foreign students (People's Republic of China English-language network educational program) specialization 02 Health care (in the field of dental healthcare) and is posted on the website of the educational organization.



8. UPBRINGING WORK

Type of upbringing work	Forms and directions of upbringing work	Assessment criteria
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Assistance in personal development	Open Discipline " Propaedeutics of orthopedic dentistry " Conversations and debates on healthy lifestyle promotion Participation in interdepartmental conferences on the formation of a healthy lifestyle culture, development of the ability to maintain and improve health	Portfolio
	Hidden – creating atmosphere, infrastructure Discipline " Propaedeutics of orthopedic dentistry " Formation of a healthy lifestyle culture, development of the ability to maintain and improve health Creating a friendly and respectful atmosphere with a high level of communication skills in the implementation of discipline	
Civic values	Open Discipline " Propaedeutics of orthopedic dentistry" Conducting events that promote the development of civil and legal culture (round tables, debates, discussions Short, timely disputes during special events	Portfolio
	Hidden The discipline " Propaedeutics of orthopedic dentistry " Focuses on general civil value orientations and legal culture Conscious civic position in the implementation of professional activities	
Social values	Open Discipline " Propaedeutics of orthopedic dentistry" Coverage of issues related to the organization of a healthy lifestyle based on health-saving technologies Coverage of environmental issues, environmental problems as a factor influencing public health and individual population risks	Portfolio
	Hidden Discipline " Propaedeutics of orthopedic dentistry" Identification in the social structure when obtaining education and carrying out professional activities	