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ФИО: Стегний Кирилл Владимирович
Должность: И.о. ректора
Дата подписания: 07.07.2026 11:18:37
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

PRACTICAL TRAINING WORK PROGRAM

Type of practical training Academic training

Б2.О.04(У) Research activity (Developing basic research skills)

Credit value	2 credits (credit points/ weeks)
Format of practical training	continuous (continuous/ discrete)
Practical training method	stationary (stationary/on-site)
Specialty	**31.05.01 General Medicine** **for international students (in English)**
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 Public Health and Public Healthcare

Vladivostok, 2025

Academic training program for **Б2.О.04(У) Research activity (Developing basic research skills)** 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.

Practical training work program was developed by the writing team of the Department of Public Health and Public Healthcare of the FSBEI HE PSMU of the Ministry of Health of Russia, under the guidance of the head of the department, Candidate of Medical Sciences, associate professor Kuznetsov V.V.

Developed by:

Assistant Professor	Candidate of Medical Sciences	Zayko A.A.
(position held)	(academic degree, academic title)	(full name)
Assistant Professor	Candidate of Medical Sciences	Sherstneva E.P.
(position held)	(academic degree, academic title)	(full name)
Senior lecturer	-	Karashchuk E.V.
(position held)	(academic degree, academic title)	(full name)

1. GENERAL PROVISIONS

1.1. Purpose and Objectives of the Practical Training *Б2.О.04(У) Research activity (Developing basic research skills)*

Purpose Consolidation and deeper insight into knowledge gained during theoretical training, acquisition of skills necessary for handling medical equipment, gaining experience of independent professional activity as district general practitioner through direct participation in the day-to-day of a medical facility, as well as development of competencies necessary for performing work activities within the framework of labor functions of ***02.009 Physician, M.D. (primary care physician, district doctor) Occupational standard.***

In addition, the ***objectives*** of academic training ***Б2.О.04(У) Research activity (Developing basic research skills)*** are

- consolidation and deepening of knowledge in the field of scientific research activities;
- development of practical skills in formulating the goals and objectives of scientific research, determining the object of research, forming a sample population, developing a program and research plan;
- development of competencies in the field of information collection, processing, analysis and visualization of data, as well as preparation for writing a research paper.

1.2 Practical Training *Б2.О.04(У) Research activity (Developing basic research skills)* as a Part of the Basic Educational Program of Higher Education of 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).

1.2.1 ***Б2.О.04(У) Research activity (Developing basic research skills)*** is a part of Unit B2 “Practical training” of the 31.05.01 General Medicine for international students (in English) specialty curriculum.

1.2.2 Practical training is carried out during semester No. 10.

Type of practical training: academic training;

Practical training category: research activity;

Practical training method: stationary;

Practical training format: continuous.

1.3 Planned learning outcomes of practical training, correlated with the planned outcomes of mastering the basic educational program of higher education for 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).

Name of Competency Category (Group)	Code and Name of Competency	Competency Indicators
Universal Competencies		
Project development and implementation	UC-2. Is able to manage a project at all stages of its development and implementation	CI.UC-2_1- defines the main objective of a project during professional activity and a way to achieve it CI.UC-2_2- develops a concept and plan for the implementation of a project taking into account possible risks and ways to eliminate them using necessary resources CI.UC-2_3- monitors progress of a project, corrects any deviations from an established plan and makes necessary changes
General Professional Competencies		

Academic and administrative work	GPC-11. Is able to draft and use research, development, project, organizational, managerial and regulatory documentation of the health care system	CI.GPC-11_1- participates in research studies, identifies their practical value and presents the results in reports and publications CI.GPC-11_2- drafts project, research and development documentation for applied science conferences and symposia CI.GPC-11_3- follows regulatory documentation of the health care system, refers to organizational and managerial documentation when working to achieve objectives of professional activity

Planned learning outcomes of practical training are represented by knowledge, skills, abilities and 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 indicators of achieving the competence.

2. SCOPE AND CONTENTS OF THE PRACTICAL TRAINING

2.1 Scope of *Б2.О.01(У) Introductory practical training (Care of the medical and surgical patients)*

Type of Activity		**Total Hours**	**Semesters**
			No. 10
			hours
1		2	3
Research activity		72	72
Independent work		72	72
Type of interim assessment	graded test (GT)	GT	GT
TOTAL: TOTAL credit value	hrs.	**72**	**72**
	credits	**2**	**2**

2.2. Sections of Practical Training, Types of Activities

No.	**Sections of Practical Training, Types of Activities**	**Hours**
1	2	3
	Semester No. 10	
1	Preparing a plan and program of the research activity	18
2	Organizing and conducting the collection of necessary data	18
3	Processing of collected data	18
4	Conclusions and proposals based on the analysis of the obtained research results	18
	Total:	**72**

2.3 Practical Training Report Forms:

Practical training log

3. REQUIREMENTS FOR IMPLEMENTATION OF PRACTICAL TRAINING

3.1 Practical Training 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	Public Health and Healthcare: Textbook [Electronic resource]	Medic V.A., 4th ed., revised	M: GEOTAR-Media, 2022. - 672 p. URL: http://www.studentlibrary.ru	Unlimited access
2	Public Health and Healthcare. National Guide [Electronic resource]	G.E. Ulumbekova, V. A. Medic. – 2nd ed.	M: GEOTAR-Media, 2022. – 1144 p. – URL: https://www.studentlibrary.ru/	Unlimited access
3	Healthcare and Public Health: Textbook (Electronic Resource)	ed. Tsarik G. N.	M.: GEOTAR - Media, 2021. - 912 p. 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	Workbook for practical classes on the topic "Application of statistics in medical and social research": teaching aid	V. V. Kuznetsov, E. P. Sherstneva, E. V. Karashchuk [etc.]	PSMU. -Vladivostok: Medicine Far East, 2024. – 99 p.	Unlimited access
2	Statistics and analysis of the activities of healthcare institutions [Electronic resource]	V.M. Chernyshev, O.V. Strelchenko, I. F. Mingazov	M.: GEOTAR-Media, 2022. - 224 p. URL: http://www.studentlibrary.ru	Unlimited access
3	Mathematical statistics in medicine in 2 volumes. Volume 1: a textbook for universities [Electronic resource]	V. A. Medic, M. S. Tokmachev. — 2nd ed., revised. And extra	Moscow: Urait Publishing House, 2024. — 471 p. — URL: https://urait.ru/	Unlimited access
4	Mathematical statistics in medicine in 2 volumes. Volume 2: a textbook for universities [Electronic resource]	V. A. Medic, M. S. Tokmachev. — 2nd ed.	Moscow: Publishing house: Urait, 2024. — 347 p. — URL: https://urait.ru/	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)

3.2 Practical Training Requirements for Facilities and Resources

Practical training is carried out on the basis of contracts with specialized organizations that fit the following requirements: able to provide facility and resource that comply with the current fire safety rules and regulations and facilitate all types of disciplinary and interdisciplinary training, practical work and research activities of students within the scope of practical training; operate in a way that corresponds to the occupational competencies acquired within the framework of the educational program.

Practical training aimed at obtaining primary occupational skills and professional experience is carried out on specific premises that meet requirements for facilities, resources, and educational materials and include the following:

Premises and subdivisions of a medical facility fitted with medical equipment and suitable for independent work within the scope of practical training, as well as continuous assessment.

Classroom for interim assessment is equipped with specialized (classroom) furniture, teaching aids for studying and assessment of practical skills.

Equipment status of selected premises and premises for independent work is reflected on the page for facility and resource requirements of the basic educational program of higher education (specialist's degree program) on the educational organization website.

3.3. List of Information Technologies, Information and Reference Systems, Licensed and Free Software (Including Domestically-developed Software) Used for Education During Practical Training Period:

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)

4. ASPECTS OF IMPLEMENTATION OF PRACTICAL TRAINING FOR STUDENTS WITH DISABILITIES AND SPECIAL NEEDS

4.1 Requirements of Practical Training for Students with Disabilities and Special Needs.

Students with disabilities are provided with printed and/or electronic educational materials that are adapted to their individual needs and abilities.

4.2 Aspects of Implementation of Practical Training for Students with Disabilities and Special Needs

For students with disabilities and special needs, if a written application is submitted, the practical training is carried out taking into account health limitations, individual capabilities and medical status (hereinafter referred to as individual characteristics) of the student. Location of practical training for people with disabilities and special needs is selected at the personal request of the student, taking into account the accessibility requirements. Academic training/practical placement location for people with disabilities and special needs is chosen taking into account the

recommendations of the medical and social assessment that are reflected in the individual rehabilitation program with consideration of working conditions and kinds of labor.

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 the practical training is carried out meet accessibility requirements, other arrangements lack of which makes it impossible or difficult to complete the practical training are made.

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

All internal policies and procedures of FSBEI HE PSMU of the Ministry of Health of Russia on the implementation of practical training are made available to students with disabilities in a form accessible to them.

Format of the interim assessment of academic performance within the scope of practical training conducted for students with disabilities and special needs is selected taking into account individual characteristics (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.

5. STAFFING REQUIREMENTS OF PRACTICAL TRAINING

Academic teaching personnel that ensure the implementation of **Б2.О.04(У) Research activity (Developing basic research skills)** meet the requirements of the Federal State Educational Standard of Higher Education for the 31.05.01 General Medicine for international students (in English) specialty; list of the aforementioned personnel is available on the website of the educational organization.

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

PRACTICAL TRAINING LO G

Б2.О.04(У) Research activity (Developing basic research skills)

_____

_____

(Full name of the student)

__ Year, group No. _____, specialty 31.05.01. General Medicine for international students (in English)

Location of practical training:

Federal State Budgetary Educational Institution of Higher Education "Pacific State Medical University" of the Ministry of Health of the Russian Federation
Institution of Simulation and Training Technology
Vladivostok, 165 Okeansky avenue

Full name and address of the practical training location

Duration of practical training:

from “ ” _____ until “ ” _____

training supervisor (provided by FSBEI HE PSMU of the Ministry of Health of Russia) _____

signature *(surname, initials)*

Grade _____

very good, good, satisfactory, unsatisfactory

Vladivostok
2025

1. Students in the specialty 31.05.01 General Medicine for international students (in English) master the practical training program in semester No.10.

Purpose: Consolidation and deeper insight into knowledge gained during theoretical training, acquisition of skills necessary for handling medical equipment, gaining experience of independent professional activity as district general practitioner through direct participation in the day-to-day of a medical facility, as well as development of competencies necessary for performing work activities within the framework of labor functions of 02.009 Physician, M.D. (primary care physician, district doctor) Occupational standard..

2. Content of practical training:

- Safety briefing
- Work in an educational and scientific laboratory under the supervision of the training supervisor
- Working with information resources
- Completing scientific assignments
- Collection of material for scientific research
- Preparation for presenting a report on carrying out a part of a research activity
- Preparation for interim assessment
- Interim assessment

3. Planned practical training outcomes:

Requirements for the results of mastering **Б2.О.04(У) Research activity (Developing basic research skills)** include formation of the following competencies among students:

Name of Competency Category (Group)	Code and Name of Competency	Competency Indicators
Universal Competencies		
Project development and implementation	UC-2. Is able to manage a project at all stages of its development and implementation	CI.UC-2_1- defines the main objective of a project during professional activity and a way to achieve it CI.UC-2_2- develops a concept and plan for the implementation of a project taking into account possible risks and ways to eliminate them using necessary resources CI.UC-2_3- monitors progress of a project, corrects any deviations from an established plan and makes necessary changes
General Professional Competencies		
Academic and administrative work	GPC-11. Is able to draft and use research, development, project, organizational, managerial and regulatory documentation of the health care system	CI.GPC-11_1- participates in research studies, identifies their practical value and presents the results in reports and publications CI.GPC-11_2- drafts project, research and development documentation for applied science conferences and symposia CI.GPC-11_3- follows regulatory documentation of the health care system, refers to organizational and managerial documentation when working to achieve objectives of professional activity

When mastering the practice, the student must

Know:

- the stages of organizing and conducting medical and social research,
- the content of the program and work plan of the research,
- methods of collecting information and creating databases,
- methods of processing, analyzing and visualizing data,
- the technology of developing management decisions, their implementation in practice and evaluation of their effectiveness.

Be able to:
- develop a program and work plan for research,
- organize and conduct information collection,
- analyze, process and visualize data using methods of mathematical statistics and appropriate software,
- apply technology for developing and making management decisions.

Master*:*
- skills in organizing and conducting medical and social research.

3. Assessment criteria for the level of professional competencies developed during the practical training period.

Practical training results is written into the student's transcript by the practical training supervisor (provided by FSBEI HE PSMU of the Ministry of Health of Russia); the final grade is based on the results of interim assessment in the form of test, evaluation of the Practical Training Log, characteristics of the student's work, and the results of the interview conducted by the practical training supervisor.

Forms of assessment of the level of professional competencies implemented during the practical training period:
1. Practical Training Log;
2. Review of the training supervisor.
3. Test results.
4. Research results.

"Very good" - threshold or high level of competence formation in period of practice, high level of competency achievement indicators, active approach to solving professional tasks of varying degree of complexity provided for by a program of practice in accordance with the FSES HE and occupational standard.

"Good" - threshold or high level of competence formation, in period of practice, adequate level of competency achievement indicators, adequate degree of practical skills, adequate ability to solve standard professional tasks provided for by the practice program in accordance with the FSES HE and occupational standard.

"Satisfactory" - threshold level of competence formation in period of practice, threshold level of competency achievement indicators, degrees practical skills are sufficient to solve typical professional tasks provided for by the practice program in accordance with the FSES HE and occupational standard and/or qualification characteristics.

"Unsatisfactory" - threshold or lower level of formation competencies during the practice period, low level of competency achievement indicators, the level of knowledge and the degree of practical skills are not enough to solve standard professional tasks provided for by the program of practice in accordance with professional standard.

Individual assignment
Content of practical training
Planned practical training outcomes
Practice training schedule

"Approved by"
Practical training supervisor
(provided by FSBEI HE PSMU of the
Ministry of Health of Russia)

Signature Full name

Practical training work schedule

Types of activities implemented during the practical training

Type of work based within the scope of the practical training	**Date**							**Total**

FEEDBACK

On the work and conduct of the student _____
(Full name of the student)

of group No. _____, specialty 31.05.01 General Medicine for international students (in English), who attended the **Б2.О.04(У) Research activity (Developing basic research skills)**
from "___" _____ 20__ until "__" _____ 20__.

Over the course of the practical training (the manifestation of interest in the specialty, performance of tasks is assessed); individual assignments, keeping a diary, mastering electronic educational resources, communication skills, ability to analyze obtained data, creativity):

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

Conclusions, recommendations:

_____
_____
_____
_____
_____
_____

Practice leader from FSBEI HE
PSMU of
Ministry of Health of Russia _____ _____
(signature) *(surname, initials)*

Interim examination results

1. Practical Training Log quality _____
2. Test control: date_____ result _____
3. Basic research skills _____

Final grade: _____

Training supervisor _____/_____/
signature *Full name*

Date:_____