

## **Annotation**

Main educational program of higher education in 31.05.01 «General Medicine»  
Qualification – specialist, Physician  
Standard term of study – 6 years

### **1. General principles**

Basic professional educational program (BPEP) of a specialist, implemented by the Federal State Autonomous Educational Institution of Higher Education "Far Eastern Federal University" in the specialty 31.05.01 General Medicine is a system of documents developed and approved by a higher educational institution, taking into account the requirements of the labor market on the basis of the Federal State Educational of higher education standard (FSES of HE 3++).

The focus of BPEP is focused on: the formation of a specialist in medical practice in the field of medicine.

**The purpose of professional activity:** the preservation and strengthening of the health of the adult population.

**Tasks of professional activity:**

- Provision of primary health care to the adult population on an outpatient basis that does not provide for round-the-clock medical supervision and treatment, including at home when a medical worker is called
  - Provision of medical care to the patient in urgent or emergency forms
  - Examination of the patient in order to establish a diagnosis
  - Prescribing treatment and monitoring its effectiveness and safety
  - Implementation and control of the effectiveness of the patient's medical rehabilitation, including the implementation of individual programs for the rehabilitation or habilitation of the disabled, assessment of the patient's ability to work
  - Carrying out and monitoring the effectiveness of measures to prevent and promote a healthy lifestyle and sanitary and hygienic education of the population

– Maintaining medical records and organizing the activities of the nursing staff at the disposal

The orientation of the program determines the subject-thematic content, the prevailing types of educational activities of the student and the requirements for the results of mastering the BEP. Qualification assigned to graduates of the educational program: General practitioner (district general practitioner).

BPEP is a complex of the main characteristics of education (volume, content, planned results), organizational and pedagogical conditions, certification forms, which is presented in the form of an annotation (general characteristic) of the educational program, curriculum, calendar curriculum, work programs of disciplines (modules), practice programs, including assessment tools and methodological materials, research programs and state final certification, as well as information about the actual resource support of the educational process.

In accordance with the selected types of activities and the requirements for the results of mastering the educational program, this BPEP is a specialist's program.

### **Regulatory framework for the development of BPEP**

The regulatory legal framework for the development of the BRI consists of:

- Federal Law of December 29, 2012 No. 273-FZ “On Education in the Russian Federation”;

- federal state educational standard of higher education in the specialty 31.05.01 "General Medicine" (specialist level), approved by order of the Ministry of Education and Science of the Russian Federation dated 12.08.2020 No. 988;

- Order of the Ministry of Science and Higher Education of the Russian Federation dated March 14, 2020 No. No. 397 "On the organization of educational activities in organizations implementing educational programs of higher education and relevant additional professional programs, in the context of preventing the spread of a new coronavirus infection in the Russian Federation"

- Order of the Ministry of Health of the Russian Federation, Ministry of Science and Higher Education of the Russian Federation No. 378/619 dated April

27, 2020 "On the organization of practical training for students in educational programs of higher medical education in the context of combating the spread of a new coronavirus infection in the territory of the Russian Federation"

- Order of the Ministry of Education and Science of the Russian Federation of August 23, 2017 No. No. 816 "On approval of the procedure for the use of organizations engaged in educational activities, e-learning, distance learning technologies in the implementation of educational programs"

- Professional standard "General practitioner (district physician)", approved by order of the Ministry of Labor and Social Protection of the Russian Federation dated March 21, 2017 No. 293 n

- Order of the Ministry of Science and Higher Education of the Russian Federation dated April 6, 2021 No. 245 "On Approval of the Procedure for Organization and Implementation of Educational Activities in Educational Programs of Higher Education - Bachelor's Programs, Specialist's Programs, Master's Programs";

- Order of the Ministry of Education and Science of the Russian Federation dated November 27, 2015 No. 1383 "On Approval of the Regulations on the Practice of Students Mastering the Basic Professional Educational Programs of Higher Education";

- Order of the Ministry of Education and Science of the Russian Federation dated June 29, 2015 No. 636 "On Approval of the Procedure for Conducting State Final Attestation for Educational Programs of Higher Education - Bachelor's Programs, Specialist's Programs and Master's Programs";

- Order of the Ministry of Education and Science of the Russian Federation dated November 9, 2015 No. 1309 "On Approval of the Procedure for Ensuring Accessibility for Disabled Persons of Objects and Services Provided in the Sphere of Education, as well as Providing Them with the Necessary Assistance";

- Order of the Ministry of Education and Science of the Russian Federation dated December 2, 2015 N 1399 "On Approval of the Action Plan ("Roadmap") of the Ministry of Education and Science of the Russian Federation to Increase the

Values of the Accessibility Indicators for the Disabled to Objects and the Educational Services Provided to Them”;

- Order of the Ministry of Health of Russia dated October 08, 2015 N 707n (as amended on June 15, 2017) "On approval of qualification requirements for medical and pharmaceutical workers with higher education in the direction of training "Health care and medical sciences";

- Order of the Ministry of Health of the Russian Federation dated August 22, 2013 No. 585n “On approval of the Procedure for the participation of students in basic professional educational programs and additional professional programs in providing medical care to citizens and in pharmaceutical activities”

- FEFU charter, approved by order of the Ministry of Education and Science of the Russian Federation dated May 06, 2016 No. 522;

- FEFU internal regulations and documents.

### **Goals and objectives of the main professional educational program**

The purpose of the BPEP is to develop students' personal qualities, the formation of general cultural, general professional and professional competencies in accordance with the federal state educational standard of higher education in the direction of training 31.05.01 "General Medicine" (specialist level), which determine the graduate's ability to active social and professional activities or continuing education.

The main goal is achieved through the formation of skills in independent solution of such professional tasks as: conducting preventive medical examinations, medical examination and dispensary observation of patients; determination in patients of the main pathological conditions, symptoms, disease syndromes, nosological forms in accordance with the International Statistical Classification of Diseases and Related Health Problems, X view; conducting an examination, laboratory, instrumental, pathological and anatomical and other studies in order to recognize the condition or establish the fact of the presence or absence of a disease; determination of management tactics for patients with various diseases; maintenance

of accounting and reporting medical documentation; carrying out a set of measures aimed at maintaining and strengthening health and including the formation of a healthy lifestyle, prevention of the occurrence and (or) spread of diseases, their early diagnosis, identification of the causes and conditions for their occurrence and development, as well as aimed at eliminating harmful effects on health human environmental factors; application of the basic principles of organization and management in the field of protecting the health of citizens, in medical organizations and their structural divisions; participation in scientific research.

### **The labor intensity of the BPEP in the direction of training**

#### **31.05.01 General medicine**

The term for obtaining education under the specialist's program (regardless of the educational technologies used):

- including holidays provided after passing the state final certification, is 6 years;

- when studying according to an individual curriculum for disabled people and people with disabilities, it can be increased at their request by no more than 1 year.

The volume of the specialist's program is 360 credit units (hereinafter referred to as credits), regardless of the educational technologies used, the implementation of the specialist's program using the network form, the implementation of the specialist's program according to the individual curriculum.

The volume of the specialist's program implemented in one academic year is no more than 70 CU. regardless of the educational technologies used, the implementation of the specialist's program using the network form, the implementation of the specialist's program according to an individual curriculum (with the exception of accelerated learning), and in case of accelerated learning - no more than 80 CU.

#### **Area of professional activity**

Graduates who have mastered the specialty program 05/31/01 General Medicine can carry out professional activities in the following areas and areas of

professional activity:

01 Education and science (in the field of scientific research);

02 Health care (in the field of providing primary health care to the population in medical organizations: polyclinics, outpatient clinics, inpatient and polyclinic institutions of the municipal health care system and medical and preventive institutions providing primary health care to the population);

07 Administrative, managerial and office activities (in the field of healthcare organizations).

Graduates can carry out professional activities in other areas of professional activity and (or) areas of professional activity, provided that their level of education and acquired competencies meet the requirements for the qualification of an employee.

**Types of professional activities** for which graduates who have mastered the specialist's program are preparing:

- medical;
- organizational and managerial;
- research.

When developing and implementing a specialist's program, the FEFU School of Medicine focuses on a specific type of professional activity for which a specialist is preparing, based on the needs of the labor market, research and material and technical resources of the organization.

**A graduate who has mastered the specialty program** is ready to solve the following professional tasks in accordance with the type of professional activity that the specialty program is focused on:

**medical activity:**

Providing medical care to the patient in urgent or emergency forms.

Examination of the patient in order to establish a diagnosis.

Prescribing treatment and monitoring its effectiveness and safety.

Implementation and control of the effectiveness of the patient's medical rehabilitation, including the implementation of individual programs for the

rehabilitation or habilitation of the disabled, assessment of the patient's ability to work.

Carrying out and monitoring the effectiveness of measures to prevent and promote a healthy lifestyle and sanitary and hygienic education of the population.

**organizational and managerial activities:**

Maintaining medical records and organizing the activities of the nursing staff at the disposal.

**research activities:**

analysis of scientific literature and official statistical reviews, participation in statistical analysis and public presentation of the results;

participation in solving individual research and scientific-applied tasks in the field of health care for diagnosis, treatment, medical rehabilitation and prevention.

When developing and implementing a specialist's program, the FEFU School of Medicine focuses on a specific type (types) of professional activity for which a specialist is preparing, based on the needs of the labor market, research and material and technical resources of the organization.

<i>Area of professional activity (according to the Register of the Ministry of Labor)</i>	<i>Types of tasks of professional activity</i>	<i>Tasks of professional activity</i>	<i>Objects of professional activity (or areas of knowledge)</i>
01 Education and science (in the field of scientific research);	Research activities	Analysis of morbidity, disability and mortality rates to characterize the health of the adult population and adolescents	Analysis of scientific literature and official statistical reviews, participation in statistical analysis and public presentation of the results;
02 Health	Medical	Providing primary health care to the adult population on an outpatient basis that does not provide for round-the-clock medical supervision and treatment, including at home	Providing medical care to a patient in urgent or emergency forms
			Examination of the patient in order to establish a diagnosis
			Prescribing treatment and monitoring its effectiveness and safety

		when a medical worker is called	Implementation and control of the effectiveness of the patient's medical rehabilitation, including the implementation of individual programs for the rehabilitation or habilitation of the disabled, assessment of the patient's ability to work
			Carrying out and monitoring the effectiveness of measures to prevent and promote a healthy lifestyle and sanitary and hygienic education of the population
07 Administrative, managerial and office activities (in the field of healthcare organizations).	Organizational and managerial activities:	Maintaining medical records and organizing the activities of the nursing staff at the disposal	Drawing up a work plan and a report on their work, issuing a passport for a medical (therapeutic) site
			Analysis of morbidity, disability and mortality rates to characterize the health of the attached population
			Maintaining medical records, including in electronic form
			Monitoring the performance of duties by a district nurse and other medical workers at their disposal
			Ensuring internal quality control and safety of medical activities within the scope of official duties

The list of professional standards corresponding to the professional activities of graduates who have mastered the program of a specialist in the specialty 31.05.01 General Medicine in accordance with the Federal State Educational Standard of Higher Education - a specialist in the specialty 31.05.01 General Medicine, approved by order of the Ministry of Science and Higher Education of the Russian Federation dated August 12, 2020 No. 988 .

№ п/п	Occupational Standard Code	Name of the area of professional activity. Name of professional standard
02 Health		
1.	02.009	Professional standard "General practitioner (district physician)", approved by order of the Ministry of Labor and Social Protection of the Russian Federation of March 21, 2017 No. 293n (registered by the Ministry of Justice of the



		Russian Federation on April 6, 2017, registration No. 46293)
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Education under the specialist's program at the FEFU School of Medicine is carried out on a full-time basis. When implementing the specialist's program at the FEFU School of Medicine, e-learning and distance learning technologies are used. Implementation of the specialist's program using exclusively e-learning, distance learning technologies in accordance with the Federal State Educational Standard of Higher Education 31.05.01 General medicine is not allowed.

### **Requirements for the results of the development of the BPEP**

As a result of mastering the main professional educational program, the graduate should form universal, general professional and professional competencies.

Universal competencies of graduates and indicators of their achievement:

<b>Code and name of universal competence</b>	<b>Code and name of the indicator of achievement of competence</b>
UC-1. Is able to form an intolerant attitude towards corrupt behavior	UC-1.1 To be able to identify problem situations and search for the necessary information to solve problems in the professional field.
	UC-1.2 Be able to form value judgments in the professional field
	UC-1.3 Be able to conduct a critical analysis of information using the historical method
UC-2. Able to manage a project at all stages of its life cycle	UC-2.1 Be able to formulate the goal, objectives of the project and draw up a schedule for its implementation
	UC-2.2 Be able to organize a professional discussion of the project, justify the practical and theoretical significance of the expected results, distribute tasks and encourage others to achieve their goals.
UC-3. Able to organize and manage the work of a team, developing a	UC-3.1 To be able to form a team to perform practical tasks, develop a team strategy and work in a team.

team strategy to achieve a set goal	UC-3.2 Be able to implement basic control functions.
UC-4. Able to apply communication technologies, in a foreign language (s), for and professional interaction	UK-4.1 The ability to use the studied lexical units in situations of everyday, social, cultural and business communication in a foreign language
	UK-4.2 Understands the peculiarities of the behavior of selected groups of people with whom he works/interacts, takes them into account in his professional activities
	UK-4.3 The ability to build statements using the studied lexical and grammatical units in accordance with the rules of a foreign language
	UK-4.4 The ability to compose and present in writing in accordance with the requirements for formalization of official business and academic texts in Russian: abstract, annotation, essay, resume, statement, business letter.
	UK-4.5 The ability, based on the acquired knowledge and skills, to participate in discussions, create and present public oral presentations of various genres to the audience
	UK-4.6 Able to use modern information and communication tools and technologies
UC-5. Able to analyze and take into account the diversity of cultures in the process of intercultural interaction	UK-5.1 Perceives the intercultural diversity of society and the peculiarities of interaction in it in the socio-historical, ethical and philosophical contexts
	UK-5.2 Explains the features of the cultural diversity of society in accordance with scientific historical knowledge
	UK-5.3 Notes and analyzes the peculiarities of intercultural interaction in a historical context
	UK-5.4 Perceives the intercultural diversity of society and the peculiarities of interaction in it in the socio-historical, ethical and philosophical contexts

	UK-5.5 Carries out intercultural interaction with the help of general and special philosophical methods of building intercultural communication, taking into account the goals of the activity
	UK-5.6 Forms and maintains ways of integrating participants in intercultural interaction, taking into account the grounds for their differences and commonality, ethical and philosophical context
	UK-5.7 Able to comply with ethical and legal standards in the process of intercultural interaction
	UK-5.8 Able to analyze the features of social interaction, taking into account historical, national, cultural and religious characteristics
	UK-5.9 Able to competently and clearly present professional information in the process of intercultural interaction
UC-6. Able to identify and implement the priorities of their own activities and ways to improve them based on self-assessment and lifelong learning	UK-6.1 Able to prioritize and plan their own professional activities, monitor and analyze its results..
	UK-6.2 Knows how to choose the most effective ways and means of improving their own professional activities based on self-assessment.
UC-7. Able to maintain the proper level of physical fitness to ensure full social and professional activity	UK-7.1 Understands the role of physical culture and sports in modern society, in human life, preparing him for social and professional activities, the importance of physical culture and sports activity in the structure of a healthy lifestyle and the features of planning an optimal motor regimen, taking into account the conditions of future professional activity
	UK-7.2 Uses self-control methodology to determine the level of health and physical fitness in accordance with the regulatory requirements and conditions of future professional activity
	UK-7.3 Maintains the proper level of physical fitness to ensure full-fledged social and

	professional activities, regularly engaging in physical exercises
UC-8. Able to create and maintain safe living conditions in everyday life and in professional activity to preserve the natural environment, ensure sustainable development of society, including in the event of the threat and occurrence of emergency situations and military conflicts	UK-8.1 Identifies dangerous and harmful factors, predicting the possible consequences of their impact in everyday life, in production activities, in emergency situations
	UK-8.2 Offers means and methods for preventing hazards and maintaining safe living conditions to preserve the natural environment and ensure the sustainable development of society
	UK-8.3 Develops measures to protect the population and personnel in the conditions of realization of dangers, including in the event of emergencies and military conflicts
	UK-8.4 Able to recognize and evaluate dangerous and emergency situations, determine ways to protect against them, provide self- and mutual assistance in case of dangers
	UK-8.5 Knows how to use personal and collective protective equipment and first aid
	UK-8.6 Able to provide first aid to the injured
UC-9. Able to use basic defectological knowledge in social and professional spheres	UK-9.1 Know the principles of non-discriminatory interaction with persons with disabilities and people with disabilities in the professional and social spheres.
	UK-9.2 Be able to plan and carry out professional activities with persons with disabilities and people with disabilities
	UK 9.3 To possess the skills of interaction in the social and professional spheres with persons with disabilities and people with disabilities
UC-10. Able to make reasonable economic decisions in various areas of life	UK-10.1. Understands the basic principles of the functioning of the economy and economic development, the goals of the form of state participation in the economy
	UK-10.2 Knows the principles of making economic decisions using methods of economic planning to achieve the set goals

UC-11. Is able to form an intolerant attitude towards corrupt behavior	UK-11.1 Analyzes the current legal norms that ensure the fight against corruption in various areas of life, as well as ways to prevent corruption and form an intolerant attitude towards it
	UK-11.2 Plans, organizes and conducts events that ensure the formation of a civic position and the prevention of legal nihilism, including in terms of combating corruption, extremism, terrorism, etc..
	UK-11.3 Complies with the rules of social interaction based on an intolerant attitude towards corruption

General professional competencies of graduates and indicators of their achievement.

<b>Code and name of universal competence</b>	<b>Code and name of the indicator of achievement of competence</b>
GPC-1. Able to implement moral and legal norms, ethical and deontological principles in professional activities	GPC-1.1. Be able to observe the moral and legal foundations in professional activities
	GPC -1.2 Knows the legislation of the Russian Federation in the field of health care, regulatory legal acts and other documents that determine the activities of medical organizations and medical workers, general issues of organizing medical care for the population
GPC 2. Able to conduct and monitor the effectiveness of preventive measures, the formation of a healthy lifestyle and sanitary and hygienic education of the population	GPC-2.1. Knows how to plan and apply the most effective methods and means of informing the population about a healthy lifestyle, increasing its literacy in matters of disease prevention
	GPC -2.2. Possesses: the skills to prepare an oral presentation or printed text that promotes a healthy lifestyle, increases the literacy of the population in matters of sanitary culture and prevention
GPC-3. Capable of countering and combating doping in sport	GPC-3.1 Knows the concept of doping, the general principles of the fight against doping, the risk to health from the use of doping.
	GPC-3.2 Able to conduct explanatory work on the medical and legal consequences of doping

	GPC-3.3 Possesses: the skills of explanatory and preventive work to prevent the use of doping in sports
GPC-4. Able to use medical devices provided for by the order of medical care, as well as conduct examinations of the patient in order to establish a diagnosis	GPC-4.1 Able to use medical devices provided for by the order of medical care
	GPC-4.2. Able to use medical devices in accordance with the current procedures for the provision of medical, clinical recommendations (treatment protocols) on the provision of medical care, care, taking into account the standards of medical care in order to establish a diagnosis
GPC-5. Able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems	GPC-5.1 Knows the patterns of functioning of a healthy human body and the mechanisms for ensuring health from the standpoint of the theory of functional systems; features of the regulation of the functional systems of the human body in pathological processes
	GPC-5.2. Able to determine and evaluate morphofunctional, physiological states and pathological processes of the human body
	GPC-5.3.Owns the algorithm of physical examination, clinical laboratory, instrumental diagnostics in solving professional problems
	GPC-5.4. Able to analyze and interpret the data obtained during the physical, laboratory, instrumental examination of the patient, during consultations of the patient by specialist doctors to solve professional problems.
GPC-6. Able to organize patient care, provide primary health care, ensure the organization of work and the adoption of professional decisions in emergency conditions at the prehospital stage, in	GPC-6.1. Owns an algorithm for the timely detection of life-threatening disorders and is able to assess the patient's condition to make a decision on the need for first aid at the prehospital stage
	GPC-6.2. Owns the algorithm for providing first aid at the prehospital stage in case of emergency, including the skills of basic cardiopulmonary resuscitation
	GPC - 6.3. Owns the algorithm for providing first aid to those affected in the foci of especially

emergency situations, epidemics and in centers of mass destruction	dangerous infections, in case of deterioration of the radiation situation and natural disasters (isolation, emergency specific and non-specific prevention, etc.)
	GPC-6.4. Knows how to use medicines and medical products in the provision of medical care in an emergency form at the prehospital stage
GPC-7. Able to prescribe treatment and monitor its effectiveness and safety	GPC-7.1. Able to prescribe treatment based on knowledge of morphological and functional characteristics, physiological conditions and pathological processes in the human body, based on the pharmacodynamics of drugs and the mechanism of action of other therapeutic agents and methods.
	GPC-7.2. Able to evaluate and control the therapeutic effect and side effects in prescribing drugs, as well as other therapeutic agents and methods, based on clinical, laboratory and instrumental data.
GPC-8. Able to implement and monitor the effectiveness of the patient's medical rehabilitation, including the implementation of individual rehabilitation and habilitation programs for the disabled, to assess the patient's ability to work	GPC-8.1 Knows how to prescribe, implement and monitor the effectiveness of the patient's medical rehabilitation, including the implementation of individual rehabilitation and habilitation programs for the disabled
	GPC-8.2 Able to assess the patient's ability to work
GPC-9. Able to implement the principles of quality management in professional activities	GPC-9.1. Owns the principles of the quality management system and marketing in professional activities
	GPC-9.2. Able to analyze and critically evaluate the quality of professional activity according to specified indicators

GPC-10. Able to solve standard tasks of professional activity using information, bibliographic resources, biomedical terminology, information and communication technologies, taking into account the basic requirements of information security	GPC-10.1. Able to use modern information and communication tools and technologies in professional activities
	GPC K-10.2. Able to follow the rules of information security in professional activities
GPC-11. Able to prepare and apply scientific, research and production, design, organizational, managerial and regulatory documentation in the healthcare system	GPC-11.1. Able to search and select scientific, legal and organizational-administrative documentation in accordance with the set goals, their analysis and application to solve professional problems
	GPC-11.2. Able to use the methods of evidence-based medicine in solving the professional task
	GPC-11.3. Knows how to prepare information and analytical materials and references, including for the public presentation of the results of scientific work (report, theses, article)

Professional competencies of graduates and indicators of their achievement:

<b>Code and name of professional competence</b>	<b>Code and name of the indicator of achievement of professional competence</b>
PC-1 is ready to participate in the provision of medical care in urgent or emergency forms	PC-1.1 Has the ability to assess the condition of a patient requiring emergency or emergency medical care
	PC-1.2 Knows the list of laboratory and instrumental research methods for assessing the patient's condition, the main medical indications for conducting research and interpreting the results



	PC-1.3 Knows the etiology, pathogenesis and pathological and morphology, clinical picture, differential diagnosis, course features, complications and outcomes of diseases of internal organs
	PC-1.4 Knows the methodology for collecting complaints and anamnesis from patients (their legal representatives)
	PC-1.5 Knows the methods of physical examination of patients (examination, palpation, percussion, auscultation)
PC-2 is ready to provide emergency medical care to patients with sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life	PC-2.1 Able to identify clinical signs of conditions requiring emergency medical care in case of sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life
	PC-2.2 Able to perform measures to provide emergency medical care in case of sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life
	PC-2.3 Able to use medicines and medical devices in the provision of medical care in emergency or urgent forms for sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life
PC-3 is ready to provide emergency medical care to patients in conditions that pose a threat to the patient's life, including clinical death (stopping the vital functions of the human body (blood circulation and/or respiration))	PC-3.1 Able to identify conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and breathing
	PC-3.2 Able to perform basic cardiopulmonary resuscitation in combination with electrical impulse therapy (defibrillation)
	PC-3.3 Knows the clinical signs of a sudden cessation of blood circulation and / or respiration
	PC-3.4 Knows the rules for basic cardiopulmonary resuscitation

	PC-3.5 Knows the principles of operation of devices for external electrical impulse therapy (defibrillation)
	PC-3.6 Knows the rules for performing external electrical impulse therapy (defibrillation) in case of a sudden cessation of blood circulation and / or respiration
PC-4 is ready to collect and analyze the patient's complaints, his medical history, the results of a physical examination, laboratory, instrumental, post-mortem and other studies in order to recognize the condition or establish the presence or absence of a disease in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care.	PC-4.1 Able to collect complaints, anamnesis of life and illness of the patient and analyze the information received
	PC-4.2 Able to conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation) and interpret its results
	PC-4.3 Knows how to justify the need and scope of laboratory and instrumental examination of the patient, the need to refer the patient for consultations with specialist doctors
	PC-4.4 Knows how to prioritize the volume, content and sequence of diagnostic measures, taking into account the standards of medical care
	PC-4.5 Knows the methods of laboratory and instrumental research to assess the state of health, medical indications for conducting research, the rules for interpreting their results
	PC-4.6 Knows the procedures for providing medical care, clinical recommendations (treatment protocols) on the provision of medical care, standards of medical care
PC-5 is capable of making a diagnosis based on the current International Statistical Classification of	PC-5.1 Knows etiology, pathogenesis and pathological and morphological, clinical picture, differential diagnosis, peculiarities of course, complications and outcomes of diseases of internal organs

Diseases and Related Health Problems (ICD).	PC-5.2 Can conduct early diagnosis of diseases of internal organs
	PC-5.3 Can make differential diagnostics of diseases of internal organs from other diseases
	PC-5.4 Can use the International Statistical Classification (ICD) of Diseases and Related Health Problems to make a diagnosis
PC-6 is capable of developing a treatment plan for a disease or condition, taking into account the diagnosis, age and clinical picture in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care	PC-6.1 Knows modern methods of using medicines, medical devices and medical nutrition for diseases and conditions in a patient in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care
	PC-6.2 Knows the procedure for providing palliative care
	PC-6.3 Able to draw up a treatment plan for the disease and the patient's condition, taking into account the diagnosis, the age of the patient, the clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care
PC-7 is ready to prescribe medicines, medical devices and medical nutrition, taking into account the diagnosis, age and clinical picture of the disease and in accordance with the current procedures for the provision of medical care, clinical	PC-7.1 Knows the mechanism of action of drugs, medical devices and medical nutrition, medical indications and contraindications for their use; complications associated with their use.
	PC-7.2 Knows how to prescribe medicines, medical devices and medical nutrition, taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care

<p>guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care</p>	
<p>PC-8 is ready to prescribe non-drug treatment, taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care</p>	<p>PC-8.1 Knows modern methods of non-drug treatment of diseases and conditions in a patient in accordance with the current procedures for providing</p>
	<p>PC-8.2 Able to prescribe non-drug treatment, taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care</p>
<p>PC-9 is capable of assessing the effectiveness and safety of the use of drugs, medical devices, clinical nutrition and other methods of treatment</p>	<p>PC-9.1 Knows the mechanism of action of non-drug treatment; medical indications and contraindications to its appointment; side effects, complications caused by its use</p>
	<p>PC-9.2 Able to evaluate the effectiveness and safety of the use of medicines, medical devices and clinical nutrition</p>
<p>PC-10 is ready to organize personalized treatment of the patient, including pregnant women, elderly and senile patients, evaluation of</p>	<p>PPC-10.1 Knows the physiological characteristics of patients depending on the constitutional type, age, comorbidities and changes associated with pregnancy</p>
	<p>PC-10.2 Able to prescribe personalized treatment of patients depending on the constitutional type, age, comorbidities and</p>

the effectiveness and safety of treatment	changes associated with pregnancy, taking into account the standards of medical care
PC-11 is ready to conduct an examination of temporary disability, participate in a medical and social examination, ascertain the biological death of a person	PC-11.1 Knows the procedure for the examination of temporary disability and signs of temporary disability of the patient
	PC-11.2 Knows signs of persistent impairment of body functions due to diseases, consequences of injuries or defects
	PC-11.3 Able to identify signs of temporary disability and signs of permanent impairment of body functions due to diseases, consequences of injuries or defects
	PC-11.4 Knows the signs of biological death, the procedure for fixing the fact of biological death and the procedure for registering biological death
PC-12 is ready to determine the need for the use of natural healing factors, medicinal, non-drug therapy and other methods in patients in need of medical rehabilitation and sanatorium treatment in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care	PC-12.1 Knows the measures for the medical rehabilitation of the patient, medical indications and contraindications for their implementation, taking into account the diagnosis in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care
	PC-12.2 Knows the medical indications and contraindications for the appointment of sanatorium-resort treatment as a stage of the patient's medical rehabilitation
	PC-12.3 Knows the features of medical rehabilitation of elderly and senile patients
	PC-12.4 Knows how to determine medical indications for medical rehabilitation measures, including the implementation of an individual rehabilitation or habilitation program for disabled people, in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols)

	<p>on the provision of medical care, taking into account the standards of medical care</p>
	<p>PC-12.5 Knows how to prescribe sanatorium-and-spa treatment to a patient in need of medical rehabilitation, including when implementing an individual rehabilitation or habilitation program for disabled people, in accordance with current clinical recommendations (treatment protocols) on the provision of medical care, procedures for the provision of medical care and with taking into account the standards of medical care</p>
<p>PC-13 is capable and ready to conduct preventive medical examinations, medical examinations and dispensary observation of healthy and chronic patients</p>	<p>PC-13.1 Knows the regulatory legal acts and other documents regulating the procedures for conducting medical examinations, medical examinations and dispensary observation</p>
	<p>PC-13.2 Knows the principles of dispensary observation of patients with non-communicable diseases and risk factors in accordance with regulatory legal acts and other documents</p>
	<p>PC-13.3 Knows the forms and methods of sanitary and educational work on the formation of elements of a healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical use of narcotic drugs and psychotropic substances</p>
	<p>PC-13.4 Able to conduct medical examinations taking into account age, health status, profession in accordance with current regulatory legal acts and other documents</p>
	<p>PC-13.5 Knows how to conduct medical examinations of the adult population in order to early identify chronic non-communicable diseases, the main risk factors for their development</p>
	<p>PC-13.6 Able to conduct dispensary observation of patients with identified chronic non-</p>

	communicable diseases, including patients with high and very high cardiovascular risk
	PC-13.7 Knows how to prescribe preventive measures to patients, taking into account risk factors for the prevention and early detection of diseases, including socially significant diseases
PC-14 is ready to organize and control the immunoprophylaxis of infectious diseases in the adult population in accordance with the current procedures for the provision of medical care, clinical guidelines (treatment protocols) on the provision of medical care, taking into account the standards of medical care	PC-14.1 Knows preventive measures taking into account the diagnosis in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care
	PC-14.2 Knows the principles of application of specific and non-specific prevention of infectious diseases, the national calendar of preventive vaccinations and the calendar of preventive vaccinations according to epidemic indications
	PC-14.3 Able to draw up a plan for the immunoprophylaxis of infectious diseases in the adult population in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care
PC-15 is capable and ready to carry out anti-epidemic measures, organize the protection of the population in foci of especially dangerous infections, in case of deterioration of the radiation situation, natural disasters and other emergencies	PC-15.1 Knows the rules for conducting sanitary and anti-epidemic measures
	PC-15.2 Knows how to determine medical indications for the introduction of restrictive measures (quarantine) and indications for referral to a specialist doctor
	PC-15.3 Able to draw up a plan for conducting sanitary and anti-epidemic measures in the event of a focus of infection

SC-16 is capable and ready to analyze morbidity, disability and mortality rates to characterize the health of adults and adolescents	PC-16.1 Knows the medical and statistical indicators of morbidity, disability and mortality that characterize the health of the attached population, the procedure for their calculation and evaluation
	PC-16.2 Able to analyze data from official statistical reporting, including forms of federal and sectoral statistical observation
PC-17 is ready to participate in the assessment of the quality of medical care using the main medical and statistical indicators	PC-17.1 Knows the organization of medical care in medical organizations that provide medical care on an outpatient basis, including at home when a medical worker is called
	PC-17.2 Able to analyze medical and statistical indicators of morbidity, disability and mortality to assess the health of the attached population
PC-18 is able to monitor the performance of duties by a nurse and other medical workers at their disposal	PC-18.1 Knows the duties of a district nurse and other medical workers at the disposal
	PC-18.2 Knows how to control the performance of duties by a district nurse and other medical workers at their disposal
PC-19 is ready to maintain medical records, including in electronic form	PC-19.1 Knows the rules for issuing medical records in medical organizations that provide medical care on an outpatient basis, including at home when a medical worker is called
	PC-19.2 Knows the rules of work in information systems and information and telecommunications network "Internet"
	PC-19.3 Able to fill out medical documentation, including in electronic form
	PC-19.4 Knows how to use information systems and the information and telecommunications



### **Specific features of the basic vocational educational program**

Applicants with secondary general education in accordance with the order of the Ministry of Education and Science of the Russian Federation from 14.10.2015 № 1147 "On approval of the admission to training in educational programs of higher education - bachelor programs, specialist programs, master programs" (with amendments and additions) are accepted for training on the main professional educational program on specialty 31.05.01 General Medicine.

The relevance of the main professional educational program is conditioned by the state strategy of public health prevention in the Russian Federation, implementation of state programs and innovative projects in healthcare system, development of medical science and consists in preparation of highly qualified professionals, competitive, demanded in the labor market, able to adapt to the rapidly changing social and economic conditions of the new generation specialists.

A graduate by specialty 31.05.01 General medicine receives a diploma of higher education and after passing the primary accreditation has the right to conduct independent therapeutic and preventive activities as a general practitioner in accordance with the professional standard. The doctor's training allows him to continue his education in residency, postgraduate training programs of higher qualification.

Characteristics of active/interactive methods and forms of organizing classes, electronic educational technologies used in the implementation of the educational program

The study process of the specialty 31.05.01 General medicine includes the use of active and interactive methods and forms of classes. According to the curriculum of the educational program with the use of active and interactive methods and forms, 17.7% of classroom lessons are held.

### **Characteristics of active/interactive methods and forms of class organization, electronic educational technologies used in the implementation of the educational program**

The educational process of the specialty 31.05.01 General Medicine provides for the use of active and interactive methods and forms of classes. According to the curriculum of the educational program with the use of active and interactive methods and forms, 17.7% of classroom lessons are held.

### **Structure and contents of the educational program**

The structure of the degree program includes the following blocks:

Block 1 "Disciplines (modules)";

Block 2 "Practice";

Block 3 "State Final Attestation".

The structure and scope of the specialty program 31.05.01 General medicine:

The structure of the program of specialty		Scope of the specialist degree program and its blocks in credit units
Block 1	Disciplines (modules)	No less 288
	Obligatory part	281
	Part of the educational program, formed by participants of educational relations	31
Block 2	Practice	No less 45
	Obligatory part	45
Block 3	State final certification	3
Scope of the specialist program		360

The formation of general professional competencies, professional competencies and universal competencies is provided by the disciplines (modules) and practices included in the mandatory part of the program and in the part formed by the participants of educational relations.

The volume of the compulsory part excluding the state final attestation is 91.3%.

The program provides the implementation of disciplines (modules) on philosophy, history (history of Russia, general history), foreign language, life safety in the Block 1 "Disciplines (modules)".

The Master's degree program provides for the implementation of disciplines (modules) in physical education and sports:

no less than 2 semester hours in Block 1 "Disciplines (modules)";

At least 328 academic hours that are mandatory for study, are not converted to credit units. and are not included in the volume of the degree program, within the framework of elective disciplines (modules).

Disciplines (modules) on physical education and sports are implemented in the order established by FEFU. FEFU establishes a special procedure for the development of disciplines (modules) in physical education and sport for persons with disabilities and persons with disabilities, taking into account their health status.

### **Peculiarities of the organization of the educational process under the educational program for persons with disabilities and persons with disabilities**

FEFU implements an organizational model of inclusive education - ensuring equal access to education for all students, taking into account various special educational needs and individual capabilities of students. The model allows people with disabilities to use education as the most effective mechanism for personal development and improvement of their social status. In order to create conditions to ensure inclusive education of persons with disabilities and persons with disabilities, the structural units of the University perform the following tasks:

- Department for work with applicants organizes career guidance work among potential applicants, including those with disabilities and persons with disabilities: open days, career guidance testing, webinars for graduates of schools, educational institutions of vocational education, consultations for this category of students and their parents on admission and training, prepares advertising and informational materials, organizes interaction with educational organizations;

- The Department of Youth Policy provides support for inclusive education of people with disabilities, addresses the development and maintenance of the information and technology base for inclusive education, elements of distance learning for people with disabilities, creating a barrier-free environment, collecting information about people with disabilities and people with disabilities, ensuring their systematic registration at the stages of their admission, training and employment;

- FEFU Department of Extracurricular Activities ensures the adaptation of disabled people and persons with disabilities to the conditions and mode of

educational activities, takes measures to create a socio-cultural tolerant environment necessary to form a civil, legal and professional position of participation, readiness of all members of the team to communicate and cooperate, the ability to tolerate social, personal and cultural differences;

- Department of career guidance and interaction with employers assists in employment of graduates with disabilities and persons with disabilities in the form of: presentations and meetings of employers with senior students, individual consultations on employment issues, master classes and trainings.

The content of higher education in educational programs and the conditions for organizing education for persons with disabilities are determined by an adapted educational program, and for people with disabilities also in accordance with the individual rehabilitation program, which is developed by the Federal Medical and Social Expert Assessment Agency. An adapted educational program is developed in the presence of an application from the student (parents, legal representatives) and medical indications. Training under the educational programs of disabled people and students with disabilities is carried out by the organization taking into account the peculiarities of psychophysical development, individual capabilities and state of health. The choice of teaching methods in each case is conditioned by the objectives of training, the content of training, the level of professional training of teachers, methodological and material and technical support, the availability of time for training, taking into account the features of the psychophysical development, individual capabilities and health status of students.

Persons with disabilities and persons with hearing and speech impairments, with visual impairments and locomotor disabilities can receive education at the University on this basic educational program in full-time form of study using elements of distance learning technologies.

The University provides students with disabilities and persons with disabilities the opportunity to learn specialized adaptive disciplines that are included in the variable part of the basic educational program. Teachers, whose courses require the performance of certain specific actions and present a problem or action that is not

feasible for students with mobility or speech difficulties, must take into account these features and offer disabled persons and persons with disabilities alternative methods of consolidation of the studied material. Timely informing of teachers about people with disabilities and persons with disabilities in a particular group is carried out by the person in charge, established by order of the school principal.

In the FEFU Scientific Library reading rooms, workplaces for people with disabilities are equipped with displays and Braille printers; equipped with: portable devices for reading flat text, scanning and reading machines video magnifier with color spectrum control; magnifying electronic magnifiers and ultrasonic markers.

If necessary, individual training plans and individual training schedules can be developed for persons with disabilities and persons with disabilities. The period of higher education when studying on an individual curriculum for persons with disabilities and persons with disabilities, if desired, may be increased, but not more than one year.

When a disabled person and student with a disability is sent to an organization or enterprise to undergo an internship stipulated by the curriculum, the University agrees with the organization (enterprise) on the conditions and types of work, taking into account the recommendations of the Federal Medical and Social Expert Assessment Office and the individual disabled person rehabilitation program. If necessary, special workplaces may be created for internships, in accordance with the nature of the impairment, as well as taking into account the professional type of activity and the nature of the work performed by the disabled student.

To implement measures of current monitoring of progress, interim and final certification of persons with disabilities and persons with disabilities, assessment tools adapted for such students and allowing to assess their achievement of learning outcomes and the level of development of all competencies, declared in the educational program. The form of interim and state final certification for students with disabilities and persons with disabilities is established taking into account individual psychophysical features (oral, written on paper, written on a computer, in the form of testing, etc.).

Head of the EP  
Professor



Yu.S. Khotimchenko

Assistant Director  
for academic work  
School of Biomedicine



E.V. Khozhaenko