

Summary of the working program of the academic discipline

«PUBLIC HEALTH, HEALTH CARE MANAGEMENT AND HEALTH ECONOMICS»

General Educational Program of higher education (specialist's degree programs)

31.05.01 GENERAL MEDICINE

Department: **SOCIAL MEDICINE AND HEALTH CARE MANAGEMENT**

1. The purpose of mastering the discipline: participation in the formation of competencies, including measures to preserve and strengthen public health, eliminate risk factors and promote a healthy lifestyle, organization, management and document flow in the field of protecting the health of citizens, conducting an examination of temporary disability, collecting and analyzing information on population health indicators, assessing the quality medical care (UK-1, UK-6, GPC-1, GPC-2, GPC-11; PC-11; PC-12; PC-15; PC-19; PC-21; PC-22; PC-23).

2. Position of the academic discipline in the structure of the General Educational Program (GEP).

The discipline refers to the core part of Block 1 of GEP HE.

The discipline is taught in the sixth and seventh semesters of the academic year.

3. Deliverables of mastering the academic discipline and metrics of competence acquisition

Mastering the discipline aims at acquiring the following universal (UC) or/and general professional (GPC) or/and professional (PC) competencies

№	Competence code	The content of the competence (or its part)	Code and name of the competence acquisition metric	As a result of mastering the discipline, the students should:		
				know	be able to	possess
1.	UC	Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	UC-1. Critical analysis of problem situations based on a systematic approach, develop an action strategy	methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis	gain new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; search for information and solutions based on action, experiment and experience	researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems
2.	UC	Able to manage the project at all stages of its	UC-2. Manage the project at all	methods for presenting and describing the	prove practical and theoretical significance of	project management in the field relevant

		life cycle	stages of its life cycle	results of project activities; methods, criteria and parameters for evaluating the results of project implementation; principles, methods and requirements for the project work	the results obtained; check and analyze the design documentation; predict the development of processes in the project professional field; put forward innovative ideas and non-standard approaches to their implementation in order to implement the project; calculate qualitative and quantitative results, deadlines of project work execution	to professional activity; distribution of tasks and encouraging others to achieve goals; management development of technical specifications of the project, management implementation of profile project work; participation in the development technical specifications of the project and the project implementation program in the professional field
3.	UC	Able to organize and manage the work of the team, developing a team strategy to achieve the goal	UC-3. Organize and manage the work of the team, developing a team strategy to achieve the goal	the problems of selecting an effective team; basic conditions for effective teamwork; the basics of strategic human resource management, regulatory legal acts concerning the organization and implementation of professional activities; organizational behavior models, factors of formation of organizational relationships;	determine the management style for the effective team work; develop a team strategy; apply the principles and methods of organizing team activities	participation in the development of a team work strategy; participation in teamwork, role distribution in the team interaction

				strategies and principles of teamwork, the main characteristics of the organizational climate and interaction of people in the organization		
4.	UC	Able to apply modern communication technologies, including the use of a foreign language(s), for academic and professional interaction	UC-4. Apply modern communication technologies, including the use of a foreign language(s), for academic and professional interaction	the basics of oral and written communication in Russian and foreign languages, functional styles of the native language, requirements to business communication, modern means of information and communication technologies	express thoughts in Russian and a foreign language in business communication	writing texts in Russian and foreign languages related to the professional activity; experience in translating medical texts from a foreign language into Russian; experience in speaking Russian and foreign languages.
5.	UC	Able to analyze and take into account the diversity of cultures in the process of cross-cultural interaction	UC-5. Analyze and take into account the diversity of cultures in the process of cross-cultural interaction	the main categories of philosophy, the laws of historical development, the basics of intercultural communication; the basic concepts of human interaction in the organization	competently, intelligibly present professional information in the process of intercultural interaction; observe ethical norms and human rights; analyze the features of social interaction taking into account national, ethno-cultural, professional features	productive interaction in the professional environment taking into account national, ethno-cultural, professional features; overcoming communicative, educational, ethnic, professional and other barriers in the process of intercultural interaction
6.	UC	Able to	UC-6.	importance of	determine the	planning their

		identify and implement the priorities of their own activities and ways to improve them based on self-assessment and lifelong learning	Identify and implement the priorities of their own activities and ways to improve them based on self-assessment and lifelong learning	planning long-term goals of activity taking into account conditions, means, personal opportunities, stages of career growth, time perspective of development of activity and requirements of the labor market; technology and methodology of self-assessment; basic principles of self-education	priorities of professional activity and ways to improve it on the basis of self-assessment; control and evaluate the components of professional activity; plan independent activities in solving professional problems	own professional activities and self-development, studying additional educational programs
7.	UC	Able to maintain the proper level of physical condition to ensure full-fledged social and professional activities	UC-7. Maintain the proper level of physical condition to ensure full-fledged social and professional activities	health-saving technologies for maintaining a healthy lifestyle, taking into account the physiological characteristics of the body	competently and ergonomically, logically plan working and free time for an optimal combination of physical and mental load and ensure working capacity; maintain the proper level of physical condition to ensure full-fledged social and professional activities and comply with the norms of the healthy lifestyle	maintaining the proper level of physical condition to ensure full-fledged social and professional activities and compliance with the norms of the healthy lifestyle
8.	UC	Able to: create and maintain safe living conditions in everyday and professional life for the	UC-8. Create and maintain safe living conditions in everyday and professional life for the	factors of harmful influence on vital activity; algorithms of actions in case of emergencies and military	identify dangerous and harmful factors within the framework of its activities, create and maintain safe living	participation in planned exercises to work out the rules of conduct in case of emergencies, first aid;

		preservation of the natural environment, ensuring sustainable development of society, including in the case of a threat and occurrence of emergency situations and military conflicts	preservation of the natural environment, ensuring sustainable development of society, including in the case of a threat and occurrence of emergency situations and military conflicts	conflicts	conditions in everyday and professional life	complies with safety regulations at the workplace
9.	UC	Able to use basic defectological knowledge in social and professional spheres	UC-9. Use basic defectological knowledge in social and professional spheres	the basics of defectology	establish effective communication and create a tolerant environment when working with people with disabilities	medical, social and organizational support of people with disabilities when they receive medical care
10.	UC	Able to: make well-founded economic decisions in various areas of life	UC-10. Make well-founded economic decisions in various areas of life	fundamentals of economic theory, the nature of economic relations	analyze specific economic situations in various areas of life	making well-founded economic decisions
11.	UC	Able to: form an intolerant attitude to the corrupt behavior	UC-11. Form an intolerant attitude to the corrupt behavior	the regulatory framework for combating corruption; ethical norms of the relationship between a doctor and a patient (his / her legal representatives)	correctly determine the tactics of relationships with patients in various situations, including cases of provoking a doctor to corrupt behavior on the part of the patient (his \ her legal representative)	communicating with patients (his / her legal representatives) in various situations
12.	GPC	Able to implement moral and	GPC-1. Implement moral and	basics of medical ethics and deontology;	apply ethical norms and principles of	solving standard problems of professional

		legal norms, ethical and deontological principles in professional activities	legal norms, ethical and deontological principles in professional activities	fundamentals of legislation in the field of healthcare; legal aspects of medical practice	behavior of a healthcare worker in the performance of their professional duties; knowledge of modern legislation in the field of healthcare in solving problems of professional activity; apply the rules and norms of interaction between a doctor and colleagues and patients (their legal representatives)	activity based on ethical norms and deontological principles when interacting with colleagues and patients (their legal representatives), knowledge of the legal aspects of medical practice
13.	GPC	Able to conduct and realize control of efficiency of activities for prevention, formation of the healthy lifestyle and sanitary and hygienic education of the population	GPC-2. Conduct and realize control of efficiency of activities for prevention, formation of the healthy lifestyle and sanitary and hygienic education of the population	the main criteria for the healthy lifestyle and methods of its formation; social and sanitary medical aspects of alcoholism, drug addiction, substance abuse, basic principles of their prevention; forms and methods of sanitary and hygienic education among patients (their legal representatives), medical workers; basic hygienic recreational	conduct sanitary and hygienic education among children and adults (their legal representatives) and healthcare workers in order to form a healthy lifestyle and prevention of the most common diseases; carry out sanitary and educational work among children and adults with the aim of forming the healthy lifestyle and prevention of the most common diseases; of	propaganda of healthy lifestyle and prevention of the most common diseases; carrying out sanitary and educational work among children and adults; formation of children and adults (their legal representatives) conduct aimed at preserving and improving the level of somatic health; formation of healthy lifestyle programs, including

				<p>activities that contribute to the health promotion and prevention of the most common diseases; fundamentals of preventive medicine; stages of planning and implementation of communal programs for the prevention of the most common diseases</p>	<p>children and adults (their legal representatives) conduct aimed at preserving and improving the level of somatic health; develop and implement programs of healthy lifestyle formation, including reduction programs of alcohol and tobacco consumption, prevention and fight against non-medical narcotic drug use and psychotropic substances; develop a plan of preventive measures and implement methods of group and individual prevention of the most common diseases; prescribe preventive measures to patients taking into account risk factors for prevention and early detection of diseases including cancer; carry out non-drug methods for the prevention of the most common diseases</p>	<p>alcohol and tobacco consumption reduction programs, prevention and fight against non-medical consumption of narcotic drugs and psychotropic substances; development of a preventive action plan of events and implementation of group and individual prevention of the most common diseases; prescription of preventive measures for children and adults taking into account risk factors, oncological and hygienic prevention in accordance with the procedures for providing medical care, clinical recommendations taking into account the standards of medical care; selection of non-drug methods for the prevention of the most common diseases</p>
14.	GPC	Able to the	GPC-3.	fundamentals of	apply knowledge	conducting

		counteraction of doping use in sports and fighting against it	The counteraction of doping use in sports and fighting against it	the legislation in the field of countering the use of doping in sports mechanisms of action of the main drugs, used as doping in sports	of action mechanisms of the main medicines used as doping in sports, organize the fight against it; carry out sanitary and educational work among different groups of the population	sanitary and educational work aimed at the fight against doping in sports, among students, engaged in sports
15.	GPC	Able to apply medical products, provided by the order of healthcare delivery, as well as examine patients for the purpose of determining the diagnosis	GPC-4. Apply medical products, provided by the order of healthcare delivery, as well as examine patients for the purpose of determining the diagnosis	the methodology of collecting anamnesis of life and diseases, complaints of patients (their legal representatives); examination procedure; and physical examination; clinical aspect, methods of diagnosis of the most common diseases; methods of laboratory and instrumental investigations to assess the state of health, medical indications for conducting research, rules for interpreting their results; international statistical classification of diseases and health-related problems (ICD); conditions	collect complaints, anamnesis of life and disease of patients (their legal representatives), identify risk factors and causes of diseases; apply methods of examination and physical survey of patients; interpret the results of examination and physical examination of patients; diagnose the most common pathology among patients; identify risk factors for cancer; formulate a preliminary diagnosis, to make a plan for conducting laboratory, instrumental and additional	collecting complaints, anamnesis of life and disease of patients (their legal representatives), identifying risk factors and causes of disease development; examination and physical survey of patients; diagnosis of the most common diseases; identification of risk factors for major oncological diseases; formulation of a preliminary diagnosis, drawing up a plan for instrumental, laboratory, additional investigations, consultations of specialist doctors; referral of patients for instrumental,

				<p>requiring emergency medical care; procedure for the use of medical devices in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the medical care delivery taking into account the standards of medical care</p>	<p>investigations of patients in accordance with the procedures for providing medical care, clinical recommendations taking into account the standards of medical care; to refer patients to laboratory, instrumental and additional investigations in accordance with the current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; refer patients for consultations to medical specialists in accordance with the procedures of medical care, clinical recommendations taking into account the standards of medical care; to interpret and analyze the results of consultations by medical specialists of patients; to interpret and</p>	<p>laboratory, additional investigations, consultations of specialist doctors in accordance with the current procedures for providing medical care, clinical recommendations taking into account the standards of medical care; interpretation of data from additional (laboratory and instrumental) examinations of patients; making a preliminary diagnosis in accordance with the international statistical classification of diseases and problems related to health (ICD); differential diagnosis of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring urgent medical care; the</p>
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					analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods; carry out differential diagnosis of diseases of patients; identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of life-threatening, requiring medical care in an urgent form; use medical devices in accordance with current medical procedures, clinical recommendations (treatment protocols) on the provision of medical care, assistance taking into account the standards of medical care	use of medical devices in accordance with current medical procedures, clinical recommendations (treatment protocols) on the issues of medical care delivery, assistance taking into account the standards of medical care
16.	GPC	Able to assess morpho-functional, physiological conditions and pathological processes in the human body to solve	GPC-5. Assess morpho-functional, physiological conditions and pathological processes in the human body to solve	anatomy, histology, embryology, topographic anatomy, physiology, pathological anatomy and physiology of human organs and systems	evaluate the basic morphological and functional data, physiological conditions and pathological processes in the human body	assessment of basic morphological and functional data, physiological conditions and pathological processes in the human body

		professional problems	professional problems			when solving professional problems
17.	GPC	Able to: organize patient care, provide primary health care, ensure the organization of work and professional decision-making in case of medical emergency on the prehospital stage, in the conditions of emergency situations, epidemics and in centers of mass destruction	GPC-6. Organize patient care, provide primary health care, ensure the organization of work and professional decision-making in case of medical emergency on the prehospital stage, in the conditions of emergency situations, epidemics and in centers of mass destruction	methods of collecting complaints and anamnesis of patients (their legal representatives); methods of physical examination of patients (examination, palpation, percussion, auscultation); principles and methods of medical care delivery to patients in urgent conditions, in emergency situations, epidemics and in centers of mass destruction in accordance with the procedures for providing medical care, clinical recommendations taking into account the standards of medical care; clinical signs of major emergency conditions; principles of medical evacuation in emergency situations,	recognize conditions that require healthcare delivery in an emergency form, including in the conditions of emergencies, epidemics and in the centers of mass destruction, requiring medical assistance in an emergency form; organize the work of medical personnel in emergency situations, epidemics and in centers of mass destruction; provide emergency medical care to patients in conditions that pose a threat to the life of patients, including (blood circulation and (or) respiration); use medicines and medical products when providing medical care in emergency conditions; perform basic cardiopulmonary resuscitation; use personal protective equipment;	assessing the condition requiring healthcare delivery in an emergency form, including in emergency situations, epidemics and in the centers of mass destruction; definition of life-threatening conditions, including the state of clinical death (arrest of vital important functions of the human body (blood circulation and (or) breathing) requiring medical care in the emergency form; medical care delivery in emergency form to patients in conditions, constituting life-threatening situations including clinical death (arrest of vital functions of human body (blood circulation and (or) respiration); the use of medicines and medical products in the provision of medical care

				epidemics and in centers of mass destruction; principles of work in centers of mass destruction; principles of organization of patient care, first aid treatment	organize patient care, provide primary health care	in case of emergency conditions and epidemics; use of personal protective equipment; organization of patient care, first aid measures
18.	GPC	Able to prescribe treatment and monitor its effectiveness and safety	GPC-7. Prescribe treatment and monitor its effectiveness and safety	methods of drug and non-drug treatment, medical indications for the use of medical devices for the most common diseases; groups of drugs used to provide medical care in the treatment of the most common diseases; the mechanism of their action, medical indications and contraindications to the prescription compatibility, possible complications, side effects, adverse reactions, including serious and unforeseen; features of medical care in emergency forms	develop a treatment plan for patients with the most common diseases in accordance with the procedures for providing medical care, clinical guidelines taking into account the standards of medical care; prevent or eliminate complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, non-drug treatment	developing a treatment plan for patients with the most common diseases in accordance with the current procedures for the provision of medical care, clinical guidelines, taking into account the standards of medical care; provision of emergency and urgent medical care to patients with the most common diseases in accordance with the current procedures for providing medical care, clinical guidelines, taking into account the standards of medical care; selection and prescription of medicines,

						medical devices with the most common diseases for the treatment of the most common diseases of children and adults in accordance with the current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; evaluation of the effectiveness and safety of the use of drugs, medical devices and non-drug treatment of patients with the most common diseases; selection and prescription of non-drug treatment for patients with the most common diseases in accordance with the procedures for providing medical care, clinical guidelines, taking into account the standards of medical care; prevention and treatment of
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						<p>complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of drugs and (or) medical devices, non-drug treatment; providing medical care to patients with sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life in an emergency form; the use of medicines and medical devices in the provision of medical care in an emergency form</p>
19.	GPC	<p>Able to implement and realize monitoring the effectiveness of the patient's medical rehabilitation including in the implementation of individual rehabilitation and habilitation programs for</p>	<p>GPC-8. Implement and realize monitoring the effectiveness of the patient's medical rehabilitation including in the implementation of individual rehabilitation and habilitation programs for</p>	<p>procedures for the organization of medical rehabilitation, including the implementation of individual rehabilitation and habilitation programs for disabled people; methods of medical rehabilitation of a patient</p>	<p>develop an action plan for the medical rehabilitation of patients including the implementation of individual rehabilitation and habilitation programs for the disabled people in accordance with the current procedure for the organization of</p>	<p>drawing up a plan of measures for medical rehabilitation of a patient, including when implementing individual rehabilitation and habilitation programs for disabled people, in accordance with the current procedure for medical</p>

		the disabled people, assess the patient's ability to carry out work activities	the disabled people, assess the patient's ability to carry out work activities	including when implementing individual rehabilitation and habilitation programs for the disabled, medical indications and medical contraindications for their implementation taking into account the diagnosis in accordance with current procedures of the organization of medical rehabilitation, clinical recommendations taking into account the standards of medical care; ways to prevent or eliminate complications, side effects, adverse reactions, including serious and unforeseen, arising as a result of medical rehabilitation measures; procedure for examination of temporary disability and signs of temporary disability of a patient; signs of persistent	medical rehabilitation, clinical recommendations taking into account the standards of medical care; determine medical indications for medical rehabilitation measures in accordance with the current procedure for the organization of medical rehabilitation, clinical recommendations taking into account the standards of medical care; evaluate the effectiveness and safety of medical rehabilitation measures for patients including when implementing individual rehabilitation and habilitation programs for disabled people in accordance with the current procedure for organizing medical rehabilitation, clinical recommendations taking into account the standards of medical care;	rehabilitation, clinical recommendations, taking into account medical care standards; carrying out medical rehabilitation measures for patients including when implementing individual rehabilitation and habilitation programs for disabled people, in accordance with the current procedure for the organization of medical rehabilitation, clinical recommendations, taking into account the standards of medical care; evaluation of the effectiveness and safety of measures for medical rehabilitation of patients, including the implementation of individual rehabilitation and habilitation programs for disabled people
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				impairment of body functions caused by diseases, consequences of injuries or defects	identify signs of temporary disability and signs of persistent impairment of body functions caused by diseases, consequences of injuries or defects	
20.	GPC	Able to implement the principles of quality management in the professional activity	GPC-9. Implement the principles of quality management in the professional activity	the basic concepts of the quality management system of a medical organization; requirements for ensuring internal quality control and safety of medical activities	analyze the quality of medical care to dental patients; ensure internal quality control and safety of medical activities; organize work and monitor the performance of official duties of the medical personnel	carrying out work to ensure internal quality control of medical care for dental patients and the safety of medical activities
21.	GPC	Able to understand the principles of modern information technologies and use them to solve the tasks of professional activity	GPC-10. Understand the principles of modern information technologies and use them to solve the tasks of professional activity	the capabilities of reference information systems and professional databases; methods of information retrieval, information and communication technologies; modern medical and biological terminology; fundamentals of information security in professional activities	apply modern information and communication technologies to solve the tasks of professional activity; carry out an effective search for information necessary to solve the tasks of professional activity using reference systems and professional databases; use modern medical and biological terminology; master and apply modern	use of modern information and bibliographic resources, the use of special software and automated information systems to solve standard tasks of professional activity, taking into account the basic requirements of information security

					information and communication technologies in professional activity, taking into account the basic requirements of information security	
22.	GPC	Able to: prepare and apply scientific, research and production, design, management and regulatory documentation in the health care system	GPC-11. Prepare and apply scientific, research and production, design, management and regulatory documentation in the health care system	scientific, research and production, design, management and regulatory documentation in the healthcare system	prepare scientific, research and production, design, management and regulatory documentation in the healthcare system	scientific, research and production, design, management and regulatory documentation in the healthcare system
23.	PC	Able to assess the condition of a patient requiring medical treatment in the emergency form	PC -1 Assess the condition of a patient requiring medical treatment in the emergency form	etiology, pathogenesis and pathomorphology, clinical aspect, differential diagnosis, clinical features, complications and outcomes of diseases of internal organs; methodology for collecting complaints and anamnesis; physical examination technique (examination, palpation, percussion, auscultation); a list of laboratory and instrumental research methods for	identify clinical signs of conditions requiring medical treatment in the emergency form	

				assessing the condition, the main medical indications for conducting research and interpreting the results of patients requiring medical care in the emergency form		
24.	PC	Able to recognize conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring urgent medical care, recognize conditions that pose a threat to the patient's life including conditions of clinical death (stopping vital functions of the human body (blood circulation and/or respiration), requiring the provision of emergency medical care	PC-2. Recognize conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring urgent medical care, recognize conditions that pose a threat to the patient's life including conditions of clinical death (stopping vital functions of the human body (blood circulation and/or respiration), requiring the provision of emergency medical care	etiology, pathogenesis and pathomorphology, clinical picture, differential diagnosis, features of the course, complications and outcomes of diseases of internal organs; methods of collecting complaints and anamnesis in patients (their legal representatives); methods of physical examination of patients (examination, palpation, percussion, auscultation); a list of methods of laboratory and instrumental investigations to assess the patient's condition, the main medical	identify clinical signs of conditions requiring emergency medical care; identify conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and respiration	

				indications for conducting research and interpreting the results; clinical signs of sudden cessation of blood circulation and/ or respiration		
25.	PC	Able to use medicines and medical devices for providing medical care in emergency forms	PC-4. Use medicines and medical devices for providing medical care in emergency forms	modern methods of using medicines, medical devices for diseases and conditions 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 in the provision of medical care in emergency or urgent forms; the mechanism of action of drugs, medical devices, medical indications and contraindications to their use; complications caused by their use; principles of operation of devices for external electric pulse therapy	prescribe medicines, medical devices taking into account the diagnosis, age and clinical picture of the disease in accordance with the current procedures for providing medical care, clinical recommendations (treatment protocols) on the medical care delivery in emergency or urgent forms	

				(defibrillation); rules for performing external electric pulse therapy (defibrillation) in case of sudden cessation of blood circulation and / or respiration		
26.	PC	Able to collect complaints, anamnesis of the patient's life and illness, conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation), formulate a preliminary diagnosis and draw up a plan for laboratory and instrumental examinations of the patient	PC-5. Collect complaints, anamnesis of the patient's life and illness, conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation), formulate a preliminary diagnosis and draw up a plan for laboratory and instrumental examinations of the patient	legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and healthcare workers; method of collecting complaints, anamnesis of life and disease of the patient; a technique for a complete physical examination of the patient (examination, palpation, percussion, auscultation); etiology, pathogenesis and pathomorphology, clinical aspect, differential diagnosis, clinical features, complications and outcomes of diseases of	collect complaints, anamnesis of life and disease of the patient and analyze the information received; conduct a complete physical examination of the patient (examination, palpation, percussion, auscultation) and interpret its results; determine the sequence of volume, content and sequence of diagnostic measures incl. modern digital technologies	

				<p>internal organs; patterns of functioning of a healthy human body and 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; methods of laboratory and instrumental examinations for assessing the state of health, medical indications for conducting investigations, rules for interpreting their results</p>		
27.	PC	<p>Able to send a patient to laboratory, instrumentalexamination, to a consultation with specialist doctors if there are medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations(treatment</p>	<p>PC-6. Send a patient to laboratory, instrumentalexamination, to a consultation with specialist doctors if there are medical indications in accordance with the current procedures for the provision of medical care, clinical recommendati</p>	<p>general issues of organizing medical care for the population, methods of laboratory and instrumental examinations to assess the state of health, medical indications for conducting examinations, rules for interpreting their results; procedures for</p>	<p>justify the need and scope of laboratory examination of the patient; justify the need and scope of instrumental examination of the patient; justify the need to refer the patient for consultations with specialist doctors; determine medical</p>	

		<p>protocols) on providing medical care taking into account the standards of medical care, and also refer the patient for providing specialized medical care in an inpatient setting or in a day hospital if there are medical indications in accordance with the current procedures for the medical care delivery, clinical recommendations (treatment protocols) on the medical care delivery taking into account the standards of medical care</p>	<p>ons(treatment protocols) on providing medical care taking into account the standards of medical care, and also refer the patient for providing specialized medical care in an inpatient setting or in a day hospital if there are medical indications in accordance with the current procedures for the medical care delivery, clinical recommendations (treatment protocols) on the medical care delivery taking into account the standards of medical care</p>	<p>the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care, standards of medical care</p>	<p>indications for the provision of emergency, including emergency specialized, medical care</p>	
28.	PC	<p>Able to carry out an examination of temporary disability and work as a part of a medical commission carrying out an examination of temporary disability</p>	<p>PC-11. An examination of temporary disability and work as a part of a medical commission carrying out an examination of temporary disability</p>	<p>the procedure for the examination of temporary disability and signs of temporary disability of the patient; the rules for registration and issue of medical documents when referring patients for specialized</p>	<p>identify signs of temporary disability and signs of persistent impairment of body functions caused by diseases, the consequences of injuries or defects</p>	

				medical care, sanatorium treatment, medical and social examination		
29.	PC	Able to prepare the necessary medical documentation for the implementation of medical and social expertise in federal state institutions of medical and social expertise and refer a patient with a persistent impairment of body functions caused by diseases, the consequences of injuries or defects to medical and social expertise	PC-12. Prepare the necessary medical documentation for the implementation of medical and social expertise in federal state institutions of medical and social expertise and refer a patient with a persistent impairment of body functions caused by diseases, the consequences of injuries or defects to medical and social expertise	the procedure for referring a patient to a medical and social examination; signs of persistent impairment of body functions caused by diseases, consequences of injuries or defects; rules for registration and issue of medical documents when referring patients for specialized medical care, sanatorium treatment, medical and social examination	identify signs of temporary disability and signs of persistent impairment of body functions caused by diseases, the consequences of injuries or defects	
30.	PC	Able to: refer a patient in need of medical rehabilitation to a specialist doctor for the treatment and conduct of medical rehabilitation measures including for the prescription and conduct	PC-13. Refer a patient in need of medical rehabilitation to a specialist doctor for the treatment and conduct of medical rehabilitation measures including for the prescription	measures for the medical rehabilitation of the patient, medical indications and contraindications to their implementation taking into account the diagnosis in accordance with the current procedures for	determine medical indications for carrying out medical rehabilitation measures including when implementing an individual rehabilitation program or habilitation of disabled people, in accordance	

	<p>of sanatorium treatment, and carry out medical rehabilitation measures for the patient including when implementing an individual rehabilitation program or habilitation of disabled people in accordance with the current procedures of providing medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care</p>	<p>and conduct of sanatorium treatment, and carry out medical rehabilitation measures for the patient including when implementing an individual rehabilitation program or habilitation of disabled people in accordance with the current procedures of providing medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care</p>	<p>the provision of medical care, clinical recommendations (treatment protocols) on the provision of medical care taking into account the standards of medical care; medical indications and contraindications for sanatorium treatment as a stage of medical rehabilitation of the patient; features of medical rehabilitation of elderly and senile patients</p>	<p>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; identify specialist doctors for carrying out rehabilitation measures to the patient in need of medical rehabilitation taking into account the diagnosis and 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; carry out measures of medical rehabilitation of the patient in accordance with the current procedures for</p>	
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					<p>providing medical care, clinical recommendations (treatment protocols) on the provision of medical care, taking into account the standards of medical care; prescribe sanatorium treatment to a patient in need of medical rehabilitation including when implementing an individual rehabilitation program or habilitation of disabled people in accordance with current clinical recommendations (treatment protocols) on the provision of medical care, procedures for the provision of medical care and taking into account the standards of medical care</p>	
31.	PC	<p>Able to: organize and conduct medical examinations taking into account age, health status, profession in accordance</p>	<p>PC-15. Organize and conduct medical examinations taking into account age, health status, profession in</p>	<p>regulatory legal acts and other documents regulating the procedures for conducting medical examinations, medical check-</p>	<p>conduct medical examinations taking into account age, health condition, profession in accordance with applicable regulatory legal</p>	

		with applicable regulatory legal acts and other documents	accordance with applicable regulatory legal acts and other documents	up and medical supervision; a list of specialist doctors involved in conducting medical examinations, medical check-up	acts and other documents	
32.	PC	Able to: organize and monitor the immunoprophylaxis of infectious diseases in the adult population, prescribe preventive measures to patients taking into account risk factors 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 and monitor compliance with preventive measures	PC-16. Organize and monitor the immunoprophylaxis of infectious diseases in the adult population, prescribe preventive measures to patients taking into account risk factors 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 and monitor compliance with preventive measures	principles of application of specific and non-specific prevention of infectious diseases, the national calendar of preventive vaccinations and the calendar of preventive vaccinations for epidemic indications; legislation of the Russian Federation in the field of health protection, sanitary rules and regulations; preventive measures taking into account the diagnosis in accordance with the current procedures for medical care, clinical recommendations (treatment protocols) about medical care delivery taking into account the standards of medical care	organize and carry out 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 standards of medical care; prescribe preventive measures to patients taking into account risk factors for the prevention and early detection of diseases, including socially significant diseases	
33.	PC-	Able to	PC-18.	The legislation	determine	

		<p>determine medical indications for the introduction of restrictive measures (quarantine) and indications for referral to a specialist doctor in the event of infectious (parasitic) diseases, issue and send an emergency notification to the territorial body of the Federal Service for Supervision of Consumer Rights Protection and Human Well-being when an infectious or occupational disease is detected, carry out anti-epidemic measures in the event of a focus of infection, including quarantine measures for the identification of highly dangerous (quarantine) infectious diseases</p>	<p>Determine medical indications for the introduction of restrictive measures (quarantine) and indications for referral to a specialist doctor in the event of infectious (parasitic) diseases, issue and send an emergency notification to the territorial body of the Federal Service for Supervision of Consumer Rights Protection and Human Well-being when an infectious or occupational disease is detected, carry out anti-epidemic measures in the event of a focus of infection, including quarantine measures for the identification of highly dangerous (quarantine) infectious diseases</p>	<p>of the Russian Federation in the field of health protection, sanitary rules and regulations; rules for conducting sanitary and anti-epidemic measures</p>	<p>medical indications for the introduction of restrictive measures (quarantine) and indications for referral to a specialist doctor; carry out sanitary and anti-epidemic measures in the event of a focus of infection</p>	
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34.	PC	Able to: form healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat non-medical use of narcotic drugs and psychotropic substances, and evaluate the effectiveness of preventive work with patients	PC-19. Form healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat non-medical use of narcotic drugs and psychotropic substances, and evaluate the effectiveness of preventive work with patients	forms and methods of sanitary and educational work on the formation of elements of the healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevention and control of non-medical use of narcotic drugs and psychotropic substances	develop and implement programs for the formation of the healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevention and control of non-medical use of narcotic drugs and psychotropic substances	
35.	PC	Able to draw up a work plan and a report on its work, issue a passport of a medical (therapeutic) locality	PC-20. Work plan and a report on its work, issue a passport of a medical (therapeutic) locality	the legislation of the Russian Federation in the field of health protection, regulatory legal acts and other documents defining the activities of medical organizations and medical workers; medical and statistical indicators of morbidity, disability and mortality characterizing the health of the population, the procedure for their calculation and evaluation	draw up a work plan and a report on their work, to issue a passport of a medical (therapeutic) site; to analyze medical and statistical indicators of morbidity, disability and mortality to assess the health of the assigned population	
36.	PC	Able to:	PC-21.	medical and	analyze official	

		analyze morbidity, disability and mortality indicators to characterize the health of the assigned population of medical care and aimed at creating conditions for protecting the health of citizens	Analyze morbidity, disability and mortality indicators to characterize the health of the assigned population of medical care and aimed at creating conditions for protecting the health of citizens	statistical indicators of morbidity, disability and mortality characterizing health of the assigned population, the order of their calculation and evaluation	statistical reporting data, including forms of federal and sectoral statistical observation; analyze medical and statistical indicators of morbidity, disability and mortality to assess the health of the assigned population	
37.	PC	Able to: maintain medical records, also in the electronic form in the MIS	PC-22. Maintain medical records, also in the electronic form in the MIS	the legislation of the Russian Federation in the field of health protection, regulatory legal acts and other documents defining the activities of medical organizations and medical workers; rules for working in information systems and information and telecommunication network "the Internet"; rules for registration of medical documentation in medical organizations providing outpatient medical care including medical worker's home visits	fill out medical documentation including in the electronic form in MIS; work with personal data of patients and information constituting a medical secret; use information systems and information and telecommunication network, the Internet, in professional activities	

38.	PC	Able to provide internal quality control and safety of medical activities within the scope of official duties and control of the performance of official duties by a district nurse and other medical workers	PC-23. Provide internal quality control and safety of medical activities within the scope of official duties and control of the performance of official duties by a district nurse and other medical workers	control over the performance of official duties by a district nurse and other medical workers at their disposal; organization of medical care in medical organizations providing outpatient medical care including medical worker's	monitor the performance of official duties by a district nurse and other medical workers at their disposal	
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4. Volume of the academic discipline and types of academic work

Total labor intensity of the discipline is 5 CU (180 AH)

Type of educational work	Labor intensity		Labor intensity (AH) in semesters	
	volume in credit units (CU)	volume in academic hours (AH)	6	7
Classroom work, including	2,6	94	32	62
Lectures (L)	0,6	20	8	12
Laboratory practicum (LP)*				
Practicals (P)	2,0	74	24	50
Seminars (S)				
Student's individual work (SIW)	1,4	50	22	28
Mid-term assessment	1	36		36
credit/exam (<i>specify the type</i>)		exam		exam
TOTAL LABOR INTENSITY	5	180	54	126

5. Sections of the academic discipline and competencies that are formed

№	Competence code	Section name of the discipline
1.	UC-1 UC-6 GPC -1 GPC -11 PC-22	General issues of public health and health care
2.	UC-1 UC-6 GPC -1 GPC -11	Fundamentals of population statistics, medical and demographic indicators, morbidity and disability of the population

	PC-21 PC-22	
3.	UC-1 GPC -1 PC-4 PC-21	Medical statistics, organization of social and hygienic research
4.	UC-1 UC-6 PC -1 PC -2 PC -4 PC -16 PC -17 PC -18	Organization of medical care for the population, including medical care for socially significant diseases
5.	GPC -1 PC -4 PC -17 PC -18	Fundamentals of Health Management
6.	GPC -1 PC -17 PC -18	Health economic
7.	GPC -1 GPC -6 PC -1 PC -2 PC -4 PC -16 PC -17 PC -18	Organization of healthcare in foreign countries