

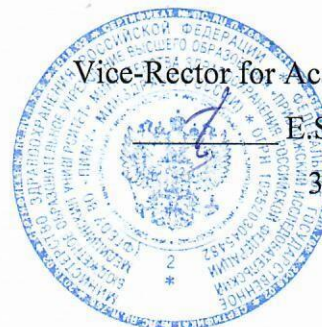
Federal State Budgetary Educational Institution of Higher Education  
"Privolzhsky Research Medical University"  
Ministry of Health of the Russian Federation

APPROVED

Vice-Rector for Academic Affairs

E.S. Bogomolova

31 August 2021



**WORKING PROGRAM**

Name of the academic discipline: **HYGIENE**

Specialty: 31.05.03 DENTISTRY

Qualification: DENTIST

Department: HYGIENE

Mode of study: FULL-TIME

Labor intensity of the academic discipline: 108 academic hours

The working program has been developed in accordance with the Federal State Educational Standard for specialty 31.05.03 DENTISTRY approved by Order of the Ministry of Science and Higher Education of the Russian Federation No. 984 of August 12, 2020.

**Developers of the working program:**

Maksimenco E.O., Ph.D. in Medical Sciences, associate professor of the Department of Hygiene  
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The program was reviewed and approved at the department meeting (protocol No. 01 June 2021)

Head of the Department,  
Doctor of Medical Sciences




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(signature)

E. S. Bogomolova

01 June 2021

AGREED

Deputy Head of EMA ph.d. of biology \_\_\_\_\_ Lovtsova L.V.



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(signature)

01 June 2021

**1. The purpose and objectives of mastering the academic discipline Hygiene** (hereinafter – the discipline):

1.1. The purpose of mastering the discipline: formation of systemic knowledge on the methodology of preventive medicine, acquisition of hygienic knowledge and skills to assess the impact of environmental factors on human and population health, participation in forming the relevant competencies (UC-1, UC-2, UC-3, UC-4, UC-5, UC-6, UC-7, UC-8, UC-10, UC-11, GPC-1, GPC-2, GPC-4, GPC-7, GPC-8, GPC-13, PC-1, PC-3, P -5, PC-10, PC-12).

1.2. Tasks of the discipline:

1. formation of systemic knowledge on the methodology of preventive medicine
2. acquisition of hygienic knowledge and skills to assess the impact of environmental factors on human and population health

1.3. Requirements to the deliverables of mastering the discipline

As a result of completing the discipline, the student should

**Know:**

- fundamentals of legislation in the field of healthcare, legal aspects of medical activity, fundamentals of medical ethics and deontology
- fundamentals of preventive medicine, factors of harmful influence on vital activity, algorithms of action in case of emergency situations
- modern information and communication technologies, fundamentals of information security in professional activity
- the basic principles of the organization of preventive care for various groups of the population
- forms and methods of sanitary and educational work among various groups of the population
- healthcare standards for dental clinics

**Be able to:**

- solve problems related to the professional field using methods of intellectual activity
- identify dangerous and harmful factors in the framework of professional activity, develop preventive measures
- to carry out sanitary and educational work among children, adults and medical workers in order to form a healthy lifestyle and prevent the most common diseases
- to evaluate the main morphofunctional data, physiological conditions and pathological processes in the human body
- apply information and communication technologies in professional activities, taking into account the basic requirements of information security

**Possess:**

- methods of group and individual prevention of the most common diseases
- methods of assessment of basic morphofunctional data, physiological conditions and pathological processes in solving professional tasks
- ways of using modern information and communication technologies to solve standard tasks of professional activity, taking into account the basic requirements of information security

**2. Position of the academic discipline in the structure of the General Educational Program of Higher Education (GEP HE) of the organization.**

**2.1.** The discipline Hygiene refers to the core part of Block 1 of GEP HE (B1.O.38).

The discipline is taught in 5 semester / 3 year of study.

**2.2. The following knowledge, skills and abilities formed by previous academic disciplines are required for mastering the discipline:**

1. physics, mathematics
2. medical informatics
3. chemistry
4. biology
5. biochemistry – biochemistry of the oral cavity
6. physiology – physiology of the maxillofacial region
7. microbiology – microbiology of the oral cavity

**2.3. Mastering the discipline is required for forming the following knowledge, skills and abilities for subsequent academic disciplines:**

1. public health and healthcare, health economics
2. epidemiology
3. medical rehabilitation
4. disaster medicine
5. infectious diseases

**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-1	Be able to carry out a critical analysis of problem situations based on a systematic approach, to develop a strategy of actions	IUC 1.1 Knows: methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis IUC 1.2 Able to: acquire 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 actions, experiment and experience IUC 1.3 Has practical experience: research of the problem of professional activity with the use of analysis, synthesis and other methods of intellectual activity; development of an action strategy for solving professional problems	methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis	acquire 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 actions, experiment and experience	methods of intellectual activity for the study of professional problems
2.	UC-2	Able to manage a project at all stages of its life cycle	IUC 2.1 Knows: methods of presenting and describing the results of project activities; methods, criteria and parameters for evaluating the results of project implementation;	methods of presenting and describing the results of project activities;	substantiate the practical and theoretical significance of the results	methods of development of technical specifications of the project, implementation

			<p>principles, methods and requirements for project work</p> <p>IUC 2.2 Able to: substantiate the practical and theoretical significance of the results obtained; predict the development of processes in the project professional field; calculate qualitative and quantitative results, deadlines for project work</p> <p>IUC 2.3 Has practical experience in: project management in the field of relevant professional activity; assignment of tasks and encouraging others to achieve goals; managing the development of the project's terms of reference, managing the implementation of profile project work</p>	<p>methods, criteria and parameters for evaluating the results of project implementation; principles, methods and requirements for project work</p>	<p>obtained; check and analyze project 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</p>	<p>of profile project work</p>
3.	UC-3	<p>Able to organize and manage the work of the team, developing a team strategy to achieve the goal</p>	<p>IUC 3.1 Knows: the problems of selecting an effective team; the basic conditions for effective teamwork; the basics of strategic human resource management, regulatory legal acts concerning the organization and implementation of professional activities; strategies and principles of teamwork</p> <p>IUC 3.2 Able to: determine the management style for effective team work; develop a team strategy; apply the principles and methods of organizing team activities</p> <p>IUC 3.3 Has practical experience: participation in the development of a team work strategy; participation in teamwork, role allocation in team interaction</p>	<p>the problems of selecting an effective team; organizational behavior models, factors of formation of organizational relationships; strategies and principles of teamwork, the main characteristics of the organizational climate and interaction of people in the organization</p>	<p>determine the management style for effective team work; develop a team strategy; apply the principles and methods of organizing team activities</p>	<p>tools for developing a teamwork strategy</p>
4.	UC-4	<p>Able to apply modern communication technologies, including in a foreign language(s), for academic and professional interaction</p>	<p>IUC 4.1 Knows: the basics of oral and written communication in Russian and foreign languages, functional styles of the native language, requirements for business communication, modern means of information and communication technologies</p> <p>IUC 4.2 Can: express your thoughts in Russian and a foreign language in business communication Russian and foreign languages, related to professional activity; experience in speaking Russian and foreign languages.</p> <p>IUC 4.3 Has practical</p>	<p>the basics of oral and written communication in Russian and foreign languages, functional styles of the native language, requirements for business communication, modern means of information and</p>	<p>experience in translating medical texts from a foreign language into Russian; experience in speaking Russian and foreign languages.</p>	<p>methods of writing texts in Russian and foreign languages, methods of translation of medical texts</p>

			experience in: writing texts in Russian and foreign languages related to professional activity; experience in translating medical texts from a foreign language into Russian	communication technologies		
5.	UC-5	Able to analyze and take into account the diversity of cultures in the process of intercultural interaction	IUC 5.1 Knows: the main categories of philosophy, the laws of historical development, the basics of intercultural communication; the basic concepts of human interaction in the organization IUC 5.2 Able to: competently, intelligibly present professional information in the process of intercultural interaction; observe ethical norms and human rights IUC 5.3 Has practical experience in: productive interaction in a professional environment, taking into account national, ethno-cultural, professional characteristics	the main categories of philosophy, the laws of historical development, the basics of intercultural communication	analyze the features of social interaction taking into account national, ethno-cultural, professional characteristics	ways of productive interaction in a professional environment, taking into account national, ethno-cultural, professional characteristics
6.	UC-6	Able to determine and implement the priorities of his own activity and ways to improve it on the basis of self-assessment and lifelong education	IUC 6.1 Knows: the importance of planning long-term goals of activity, taking into account the conditions, means, personal capabilities, stages of career growth, time prospects for the development of activities and labor market requirements; technology and methodology of self-assessment; basic principles of self-education and self-education IUC 6.2 Able to: determine the priorities of professional activity and ways to improve it based on self-assessment IUC 6.3 Has practical experience: planning his own professional activity and self-development, studying additional educational programs	technology and methodology of self-assessment; basic principles of self-education and self-education	monitor and evaluate the components of professional activity; plan independent activities in solving professional tasks	SMART goal setting system
7.	UC-7	Able to maintain the proper level of physical fitness to ensure full-fledged social and professional activities	IUC 7.1 Knows: health-saving technologies for maintaining a healthy lifestyle IUC 7.2 Able to: competently and ergonomically, logically plan his working and free time for an optimal combination of physical and mental load and ensure working capacity; IUC 7.3 Has practical experience: maintaining the proper level of physical fitness to ensure full-fledged social and professional activities and compliance with the norms of a healthy lifestyle	health-saving technologies for maintaining a healthy lifestyle, taking into account the physiological characteristics of the body	maintain the proper level of physical fitness to ensure full-fledged social and professional activities and comply with the norms of a healthy lifestyle	methods of maintaining the proper level of physical fitness to ensure full-fledged social and professional activities and compliance with healthy lifestyle standards
8.	UC-8	Able to create and maintain safe living	IUC 8.1 Knows: factors of harmful influence on vital	factors of harmful	identify dangerous	skills of first aid in

		conditions in everyday life and in professional activities, including in the event of emergencies and military conflicts	activity; algorithms of actions in case of emergencies and military conflicts; safety regulations at the workplace IUC 8.2 Able to: identify dangerous and harmful factors within the framework of its activities, create and maintain safe living conditions in everyday life and in professional activities IUC 8.3 Has practical experience: participation in planned exercises to work out the rules of conduct in case of emergencies, first aid; complies with safety regulations at the workplace	influence on vital activity; algorithms of actions in case of emergencies and military conflicts; safety regulations at the workplace	and harmful factors within the framework of its activities, create and maintain safe living conditions in everyday life and in professional activities	emergency situations, algorithms for organizing hygienic and anti-epidemic measures in the event of emergencies and military conflicts
9.	UC-10	Able to make informed economic decisions in various areas of life	IUC 10.1 Knows: the basics of economic theory, the nature of economic relations and relations IUC 10.2 Able to: analyze specific economic situations in various areas of life IUC 10.3 Has practical experience in making informed economic decisions	the basics of economic theory, the nature of economic relations and relations	analyze specific economic situations in various areas of life	methods of making informed economic decisions
10.	UC-11	Capable of forming an intolerant attitude to corrupt behavior	IUC 11.1 Knows: the regulatory framework for combating corruption; ethical norms of the relationship between a doctor and a patient IUC 11.2 Able to: 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 IUC 11.3 Has practical experience: communication with patients in various situations	the regulatory framework for combating corruption; ethical norms of the relationship between a doctor and a patient	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	methods of communication with patients in various situations
11.	GPC-1	Able to implement moral and legal norms, ethical and deontological principles in professional activity	IGPC 1.1 Knows: fundamentals of medical ethics and deontology; fundamentals of legislation in the field of healthcare; legal aspects of medical activity IGPC 1.2 Able to: apply ethical norms and principles of behavior of a medical worker in the performance of their professional duties IGPC 1.3 Has practical experience: solving standard tasks of professional activity based on ethical norms and deontological principles when interacting with colleagues and patients, knowledge of legal aspects of medical activity	fundamentals of medical ethics and deontology; fundamentals of legislation in the field of healthcare; legal aspects of medical activity	knowledge of modern legislation in the field of healthcare in solving professional tasks; apply rules and norms of interaction of a doctor with colleagues and patients	methods of solving standard professional tasks
12.	GPC-2	Able to analyze the results of his own	IGPC 2.1 Knows: procedures for the provision of medical care,	procedures for the provision	analyze the results of	methods of a critical

		activities to prevent professional mistakes	clinical recommendations, taking into account the standards of medical care IGPC 2.2 Able to: analyze the results of examination and treatment of patients with dental diseases; draw up an action plan to prevent professional mistakes based on the analysis of the results of its own activities IGPC 2.3 Has practical experience: participation in a clinical (clinical-anatomical) conference on the analysis of errors of professional activity	of medical care, clinical recommendations, taking into account the standards of medical care; methodology for analyzing the results of its own activities	examination and treatment of patients with dental diseases; draw up an action plan to prevent professional mistakes based on the analysis of the results of its own activities	approach to the assessment of one's own professional activity
13.	GPC-4	Able to carry out and monitor the effectiveness of preventive measures, healthy lifestyle formation and sanitary and hygienic education of the population	IGPC 4.1 Knows: basic hygienic measures of a health-improving nature that promote health promotion and prevention occurrence 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 IGPC 4.2 Able to: conduct sanitary and educational work among children and adults in order to form a healthy lifestyle and prevent the most common diseases; form children and adults behavior aimed at preserving and improving the level of somatic health; develop and implement programs for the formation of a healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevent and combat non-medical use of narcotic drugs and psychotropic substances; develop a plan of preventive measures and implement methods of group and individual prevention of the most common diseases; IGPC 4.3 Has practical experience in: promoting a healthy lifestyle and preventing the most common diseases; conducting sanitary and educational work among children and adults; forming behavior in children and adults aimed at preserving and improving the level of somatic health; forming healthy lifestyle programs; development of a plan of preventive measures and implementation of methods of group and individual prevention	the main criteria of a healthy lifestyle and methods of its formation; socio-hygienic and medical aspects of alcoholism, drug addiction, substance abuse, basic principles of their prevention; forms and methods of sanitary and hygienic education among patients, medical workers	to carry out sanitary and hygienic education among children and adults and medical workers in order to form a healthy lifestyle and prevent the most common diseases; prescribe preventive measures to patients taking into account risk factors for the prevention and early detection of diseases, including cancer; carry out the selection and appointment of medications and non-drug methods for the prevention of the most common diseases	methods of promoting a healthy lifestyle and preventing the most common diseases; conducting sanitary and educational work among children and adults; forming behavior in children and adults aimed at preserving and improving the level of somatic health



			of the most common diseases			
14.	GPC-7	Able to organize work and make professional decisions in urgent conditions, in emergency situations, epidemics and in centers of mass destruction	<p>IGPC 7.1 Knows: the method of physical examination of patients (examination, palpation, percussion, auscultation); clinical signs of major emergency conditions; principles of medical evacuation in emergency situations, epidemics and in foci of mass destruction; principles of work in foci of mass destruction</p> <p>IGPC 7.2 Able to: organize the work of medical personnel in emergency conditions, in emergency situations, epidemics and in centers of mass destruction; provide medical care emergency assistance to patients in conditions that pose a threat to the life of patients, including clinical death (stopping vital functions of the human body (blood circulation and (or) respiration); use medicines and medical devices when providing medical care in emergency conditions; perform basic cardiopulmonary resuscitation; use personal protective equipment;</p> <p>IGPC 7.3 Has practical experience in: assessing a condition requiring emergency medical care, including in emergency situations, epidemics and in foci of mass destruction; recognizing conditions that pose a threat to life, including a state of clinical death, requiring emergency medical care; providing emergency medical care to patients in conditions that pose a threat to the life of patients, including clinical death; the use of medicines and medical devices in providing medical care in emergency conditions and epidemics</p>	<p>methods of collecting complaints and anamnesis from patients ; principles and methods of providing medical care to patients in urgent conditions, in emergency situations, epidemics and in foci of mass destruction in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care</p>	<p>to recognize conditions requiring medical care in an emergency form, including in emergency situations, epidemics and in foci of mass destruction, requiring medical care in an emergency form; to provide medical care in an emergency form patients with conditions that pose a threat to the life of patients, including clinical death; use medicines and medical devices when providing medical care in emergency conditions; perform basic cardiopulmonary resuscitation</p>	<p>methods of assessing the condition requiring emergency medical care, including in emergency situations, epidemics and in foci of mass destruction; recognition of life-threatening conditions, including clinical death, requiring emergency medical care; provision of emergency medical care to patients with life-threatening conditions patients, including clinical death; the use of medicines and medical devices in the provision of medical care in emergency conditions and epidemics; the use of personal protective equipment</p>
15.	GPC-8	Able to use basic physico-chemical, mathematical and natural science concepts and methods in solving professional problems	<p>IGPC 8.1 Knows: basic physico-chemical, mathematical and natural science concepts and methods that are used in medicine</p> <p>IGPC 8.2 Able to: interpret the data of the basic physico-chemical, mathematical and natural-scientific research methods in solving professional problems</p> <p>IGPC 8.3 Has practical experience in the application of</p>	<p>basic physico-chemical, mathematical and natural science concepts and methods that are used in medicine</p>	<p>interpret the data of the basic physico-chemical, mathematical and natural-scientific research methods in solving professional</p>	<p>the main physico-chemical, mathematical and natural-scientific methods of research in solving professional problems</p>

			basic physico-chemical, mathematical and natural science research methods in solving professional problems		problems	
16.	GPC-13	Able to solve standard tasks of professional activity using information, bibliographic resources, medical and biological terminology, information and communication technologies, taking into account the basic requirements of information security	<p>IGPC 13.1 Knows: the possibilities of reference information systems and professional databases; methods of information retrieval, information and communication technologies; fundamentals of information security in professional activities</p> <p>IGPC 13.2 Able to: 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 information and communication technologies in professional activity, taking into account the basic requirements of information security</p> <p>IGPC 13.3 Has practical experience in the use of modern information and bibliographic resources, the use of special software and automated information systems to solve standard tasks of professional activity</p>	possibilities of reference information systems and professional databases; modern medical and biological terminology	apply modern information and communication technologies to solve the tasks of professional activity; use modern medical and biological terminology; master and apply modern information and communication technologies in professional activity	methods of using 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
17.	PC-1	Ability and readiness to implement a set of measures aimed at preserving and strengthening health and including the formation of a healthy lifestyle of the patient (their relatives / legal representatives). Prevention of the occurrence and (or) spread of dental diseases, their early diagnosis, identification of the causes and conditions of occurrence and development, as well as prevention.	<p>IPC 1.1 Knows: General issues of organization of medical care for adults and children</p> <p>Anatomical and functional state of the organs of the maxillofacial region, taking into account age</p> <p>The normal and pathological physiology of the dental system, its relationship with the functional state of other body systems and the levels of their regulation</p> <p>The role of oral hygiene, nutrition and the use of fluorides in the prevention of dental and periodontal diseases</p> <p>Methodology for collecting anamnesis of life and diseases, complaints from children and adults with dental diseases.</p> <p>Hygienic indexes and methods of their determination</p> <p>Methods of examination and physical examination, features of clinical dental examination in children and adults with dental diseases</p> <p>Clinical picture, diagnostic</p>	sanitary and epidemiological requirements and issues of organization of sanitary and anti-epidemic (preventive) measures in order to prevent the occurrence and spread of infectious diseases	to collect complaints, anamnesis of life and illness in children and adults (their legal representatives) with dental diseases, identify risk factors and causes of dental diseases	methods of diagnosis, treatment and prevention of dental diseases

			<p>methods, classification of diseases of teeth, periodontal, oral mucosa, lips in children and adults</p> <p>Clinical picture, diagnostic methods, classification of diseases of the bone tissue of the jaws, peripheral nervous system of the maxillofacial region, temporomandibular joint in children and adults</p> <p>Methods of laboratory and instrumental studies to assess the state of health, medical indications for conducting research, rules for interpreting their results</p> <p>Medical indications and contraindications to the use of additional examination methods</p> <p>Medical devices used in the provision of medical care to children and adults with dental diseases.</p> <p>International Statistical Classification of Diseases and Health-Related Problems (ICD)</p> <p>The procedure for providing medical care to adults with dental diseases</p> <p>The procedure for providing medical care to children with dental diseases</p> <p>Clinical recommendations on the provision of dental care</p> <p>Conditions requiring urgent medical care</p> <p>Sanitary and epidemiological requirements and issues of organization of sanitary and anti-epidemic (preventive) measures in order to prevent the occurrence and spread of infectious diseases.</p> <p>IPC 1.2 Able to: Collect complaints, anamnesis of life and illness in children and adults with dental diseases, identify risk factors and causes of dental diseases</p> <p>Interpret information received from children and adults with dental diseases</p> <p>Apply methods of examination and physical examination of children and adults with dental diseases</p> <p>Interpret the results of examination and physical examination of children and adults with dental diseases</p> <p>Diagnose pulp and periodontal diseases, periodontal diseases,</p>			
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			<p>oral and lip mucosa in children and adults with dental diseases of the hard tissues of the teeth</p> <p>To diagnose in children and adults with dental diseases defects of teeth, dentition, dental deformities and anomalies of teeth and jaws, complete absence of teeth and prerequisites for their development, injuries of teeth, bones of the facial skeleton and soft tissues.</p> <p>To identify risk factors for cancer of the maxillofacial region in children and adults with dental diseases Formulate a preliminary diagnosis, make a plan for laboratory, instrumental and additional studies in children and adults with dental diseases in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care To direct children and adults with dental diseases to laboratory, instrumental and additional studies in accordance with the current procedures for providing dental medical care, clinical recommendations, taking into account the standards of medical care.</p> <p>Refer children and adults with dental diseases for consultations with specialist doctors in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care Interpret and analyze the results of consultations by specialist doctors of children and adults with dental diseases Substantiate the need and scope of additional examinations of patients (including radiological methods) Interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) methods of examination in children and adults with dental diseases, including these radiological methods</p> <p>To carry out differential diagnostics of dental diseases in children and adults.</p> <p>Formulate the final diagnosis in accordance with the</p> <p>To identify clinical signs of</p>			
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			<p>sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of life-threatening, requiring urgent medical care</p> <p>IPC 1.3 Has practical experience: Collecting complaints, anamnesis of life and illness in children and adults, identifying risk factors and causes of dental diseases</p> <p>Examination and physical examination of children and adults with dental diseases</p> <p>Diagnostics in children and adults: - dental caries, - non-carious lesions, - pulp and periodontal diseases, - periodontal disease, - the mucous membrane of the mouth and lips, - dental defects, - defects of dentition, - dental deformities, - anomalies of teeth and jaws, - complete absence of teeth</p> <p>Identification of risk factors for cancer of the maxillofacial region in children and adults with dental diseases</p> <p>Formulation of a preliminary diagnosis, drawing up a plan for instrumental, laboratory, additional studies, consultations of specialist doctors in children and adults with dental diseases</p> <p>Referrals of children and adults with dental diseases for instrumental, laboratory, additional studies, consultations of specialist doctors in children and adults with dental diseases in accordance with the current procedures for providing dental medical care to adults and children, clinical recommendations, taking into account the standards of medical care.</p> <p>Interpretation of the data of additional (laboratory and instrumental) examinations of patients (including X-ray methods)</p> <p>Making a preliminary diagnosis in accordance with the ICD</p> <p>Differential diagnosis of dental diseases</p> <p>Final diagnosis in accordance with the ICD</p> <p>Recognition of conditions arising from sudden acute diseases, exacerbation of chronic</p>			
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			diseases without obvious signs of a threat to the patient's life and requiring urgent medical care.			
18.	PC-3	The ability and readiness to carry out anti-epidemic measures and provide medical care in hotbeds of dangerous infections, in case of deterioration of the radiation situation, natural disasters and other emergency situations, including participation in medical evacuation.	<p>IPC 3.1 Knows: The algorithm for carrying out anti-epidemic measures and providing medical care in hotbeds of dangerous infections, in case of deterioration of the radiation situation, natural disasters and other emergency situations, including the procedure for participation in medical evacuation.</p> <p>IPC 3.2 Able to: comply with anti-epidemic measures and provide the necessary medical care in the foci of dangerous infections, in case of deterioration of the radiation situation, natural disasters and other emergency situations, including taking part in medical evacuation.</p> <p>PC 3.3 Has practical experience: compliance with anti-epidemic measures and provision of necessary medical care in hotbeds of dangerous infections, in case of deterioration of the radiation situation, natural disasters and other emergency situations, including medical evacuation. Compliance with the requirements of labor protection, fire safety, the procedure for emergency situations.</p>	Rules for the use of personal protective equipment. Requirements of labor protection, fire safety, procedure for emergency situations.	Use personal protective equipment. Comply with the requirements of labor protection, fire safety, emergency procedures.	methods of organizing anti-epidemic measures and providing necessary medical care in the foci of dangerous infections, with deterioration of the radiation situation, natural disasters and other emergency situations, including medical evacuation; methods of using personal protective equipment
19.	PC -5	Ability and readiness to use social and hygienic methods of collecting and medical-statistical indicators on dental morbidity, indicators of the quality of dental care.	<p>IPC 5.1 Knows: Rules of registration and features of maintaining medical documentation, including in the form of an electronic document, in medical organizations of dental profile</p> <p>Job responsibilities of medical workers in medical organizations of dental profile</p> <p>Occupational health, safety and fire safety requirements, emergency procedures</p> <p>IPC 5.2 Able to: Make a work plan and a work report</p> <p>Fill out medical documentation, including in the form of an electronic document and monitor the quality of its management</p> <p>To monitor the performance of official duties of the medical personnel at the disposal</p> <p>To use personal data of patients and information constituting a</p>	rules of work in medical information systems and information and telecommunication network "Internet"	to analyze medical and statistical indicators of the incidence of dental diseases; to use information systems in the field of healthcare and the Internet information and telecommunication network in their work	information and communication resources for maintaining the necessary documentation and monitoring the performance of official duties at the disposal of medical personnel

			<p>medical secret in the work IPC 5.3 Has practical experience: Drawing up a work plan and a report on his work Maintaining medical records, including in the form of an electronic document Control of the performance of official duties at the disposal of medical personnel</p>			
20.	PC-10	<p>readiness for educational activities to eliminate risk factors for the development of dental diseases, prevention of dental diseases, to train the population in basic hygienic measures of a health-improving nature, skills of self-control of basic physiological indicators that contribute to the preservation and strengthening of health.</p>	<p>IPC 10.1 Knows: Forms and methods of sanitary and hygienic education among patients, medical workers The main hygienic measures of a health-improving nature that promote health and prevent the occurrence of dental diseases Etiology, pathogenesis, prevention of dental diseases Fundamentals of preventive medicine Psychological and pedagogical bases and methods of application of technical means of training, information computer technologies, electronic educational and information resources, distance educational technologies and e-learning, including telemedicine technologies; IPC 10.2 Able to: Plan, organize and carry out activities within the framework of sanitary and hygienic education among the population, training of patients and medical workers; involve medical personnel at their disposal in planning and developing the content of events on sanitary and hygienic education among the population, training of patients and medical workers; to analyze the measures taken for sanitary and hygienic education among the population IPC 10.3 Has practical experience in: planning, organizing and conducting events within the framework of sanitary and hygienic education among the population; planning, organizing and conducting training of patients and medical workers; promoting a healthy lifestyle and prevention of dental diseases; forming behavior in children and adults aimed at maintaining and improving the level of dental health</p>	<p>features of specific and non-specific prevention of dental diseases; etiology, pathogenesis, prevention of dental diseases; methods and forms of communication organization, techniques and techniques of attracting the population to training in hygienic measures of a health-improving nature; educational technologies and methods of teaching patients and medical workers</p>	<p>conduct sanitary and educational work among children and adults with dental diseases in order to form a healthy lifestyle and prevent dental diseases; it is reasonable to use technical means of training, information technologies, electronic educational and information resources, distance educational technologies and e-learning, including telemedicine technologies</p>	<p>methods of organizing events within the framework of sanitary and hygienic education among the population, training patients and medical workers; conducting sanitary and educational work among children and adults with dental diseases in order to form a healthy lifestyle and prevent dental diseases</p>

21.	PC-12	Willingness to participate in scientific research, analysis and public presentation of medical information based on evidence-based medicine and to participate in the introduction of new methods and techniques aimed at protecting public health and reducing dental morbidity.	IPC 12.1 Knows: The basics of evidence-based medicine; basic principles of medical research IPC 12.2 Able to: Search for medical information based on evidence-based medicine; critically evaluate modern methods of diagnosis, prevention and treatment of diseases from the standpoint of evidence-based medicine IPC 12.3 Has practical experience in: Development of algorithms for examination and treatment of adults and children with dental diseases in accordance with the principles of evidence-based medicine; search and interpretation of medical information based on evidence-based medicine; public presentation of medical information based on evidence-based medicine; partial participation in scientific research	the main sources of medical information based on evidence-based medicine; methods and forms of public presentation of medical information;	interpret the data of scientific publications; argue their choice of methods of diagnosis, prevention and treatment of dental diseases; prepare a presentation for public presentation of medical information, the results of scientific research	methods of developing algorithms for examination and treatment of adults and children with dental diseases in accordance with the principles of evidence-based medicine
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#### 4. Sections of the academic discipline and competencies that are formed when mastering them

№	Competence code	Section name of the discipline	The content of the section in teaching units
1.	UC-1, UC -4, UC -7, UC -8, GPC-4, GPC -7, GPC -8, PC-1, PC -3, PC -10, PC -12	Environmental health	<p>The subject and content of hygiene. The history of the formation and development of hygiene. The concept of primary and secondary prevention of diseases. Communication and interaction of preventive and curative medicine.</p> <p>Fundamentals of the legislation of the Russian Federation on health and environmental management. The Law "On sanitary and epidemiological welfare of the population".</p> <p>The environment as a combination of natural, anthropogenic and social factors. The concept of human ecology. Hygienic regulation and forecasting. The main elements of the methodology for assessing the risk to public health.</p> <p>Air hygiene. Solar radiation. Hygiene of water and water supply of populated areas. Legislation in the field of protection of reservoirs and water supply sources. Soil hygiene and sanitary cleaning of populated areas.</p> <p>Climate and human health. Hygienic problems of cities. Hygiene of residential and public buildings. Healthy lifestyle and personal hygiene issues.</p>
2.	UC -1, UC -4, UC -5, UC -7, GPC -1, GPC -4, GPC -7, PC -1, PC -3, PC -10	Nutrition hygiene	<p>Biological and environmental problems of nutrition. The concept and principles of rational nutrition. The concept of nutritional status as an indicator of health. Prevention of diseases associated with insufficient or excessive nutrition. Food quality and safety. Food contaminants. Prevention of food poisoning and infections. Hygienic requirements for the layout, equipment, regime, operation of health care food units. Hygienic foundations of the organization of medical nutrition. Personal hygiene of the staff.</p>



3.	UC -1, UC -3, UC -4, UC -6, UC -8, GPC - 8, GPC -13, PC -1	Occupational medicine	Legislation in the field of labor protection. Hygienic classification and criteria for assessing working conditions according to indicators of harmfulness and danger, factors of the production environment and the labor process. The influence of working conditions on human health. Occupational diseases. Principles of carrying out recreational activities in the workplace. Hygienic rationing of factors of the production environment. Occupational hygiene in agriculture.
4.	UC -1, UC -3, UC -4, UC -5, UC -11, GPC -1, GPC -4, PC -1, PC -5, PC -10, PC - 12	Children hygiene	Patterns of growth and development of the child's body as the basis for rationing the environment of children and adolescents. The state of health of children and adolescents, the influence of environmental, social and intra-school factors on the state of health. School diseases, causes, prevention. Health groups. Physical development as an indicator of a child's health. Hygiene of school classes. Hygienic principles of the organization of the educational process. Hygienic requirements for the placement, layout and equipment of preschool and school institutions. Hygienic education.
5.	UC -2, UC -3, UC -4, UC -5, UC -8, UC - 10, UC -11, GPC -1, GPC -2, GPC -7, PC -1, PC -3, PC -12	Hospital hygiene	The main tasks of hospital hygiene. The system of sanitary and hygienic measures to create a therapeutic and protective regime. Occupational hygiene of medical staff.

## 5. Volume of the academic discipline and types of academic work

Type of educational work	Labor intensity		Labor intensity (AH) in semesters
	volume in credit units (CU)	volume in academic hours (AH)	5 semester
Classroom work, including	1,8	66	66
Lectures (L)	0,4	14	14
Laboratory practicum (LP)*	-	-	-
Practicals (P)	1,4	52	52
Seminars (S)	-	-	-
Student's individual work (SIW)	1,2	42	42
Mid-term assessment			
credit			
<b>TOTAL LABOR INTENSITY</b>	<b>3</b>	<b>108</b>	<b>108</b>

## 6. Content of the academic discipline

### 6.1. Sections of the discipline and types of academic work

№	Name of the section of the academic discipline	Types of academic work* (in AH)					
		L	LP	P	S	SIW	total
1.	Environmental health	4	-	17	-	12	33
2.	Nutrition hygiene	4	-	20	-	8	27
3.	Occupational medicine	4	-	5	-	8	22
4.	Children hygiene	-	-	5	-	6	11
5.	Hospital hygiene	2	-	5	-	8	15
	<b>TOTAL</b>	<b>14</b>	<b>-</b>	<b>52</b>	<b>-</b>	<b>42</b>	<b>108</b>

\* - L – lectures; LP – laboratory practicum; P – practicals; S – seminars; SIW – student's individual work.

6.2. Thematic schedule of educational work types:

6.2.1 Thematic schedule of lectures

№	Name of lecture topics	Volume in AH
		5 semester
1.	Hygiene is the branch of preventive medicine.	2
2.	Occupational health as a medical and social problem	2
3.	Ecological and hygienic safety of food	2
4.	Occupational hygiene of medical staff	2
5.	Healthcare standards for dental clinic	2
6.	Nutrition as a factor of health	2
7.	Disturbances of nutritional status and alimentary diseases.	2
TOTAL (total – 14 AH)		14

6.2.2. The thematic plan of laboratory practicums isn't stipulated.

6.2.3. Thematic plan of practicals

№	Name of the topics of practicals	Volume in AH
		5 semester
1.	Hygienic assessment of natural and artificial illumination of premises. Biological importance of the ultraviolet radiation.	6
2.	Physical qualities of air. Complex assessment of the microclimate. Indoor air quality and human health.	6
3.	Hygienic estimation of the occupational hazards. Prevention of occupational diseases.	5
4.	Hygienic estimation of real nutrition. Hygienic estimation of nutritional status	10
5.	Hygienic assessment of food value, quality and safety of food. Prevention of food poisoning	10
6.	Complex evaluation of children health	5
7.	Hygienic assessment of drinking water quality. Methods of improvement of the drinking water quality.	5
8.	Healthcare standards for dental clinic	5
TOTAL (total – 52 AH)		52

6.2.4. Thematic plan of seminars isn't stipulated.

6.2.5. Types and topics of student's individual work (SIW)

№	Types and topics of SIW	Volume in AH
		5 semester
1.	Creation of online-lesson (videolesson) devoted healthy lifestyle (Miro, Trello; Zoom Cisco Webex, Skype)	10
2.	Preparation of presentation (MS PowerPoint, prezi.com, canva.com)	8
3.	Solving situational problems	4
4.	Creation dental clinic project in accordance with healthcare standards	6

5.	Solving task-case on <a href="http://www.cyberpatient.ca">www.cyberpatient.ca</a> (food poisoning and occupational problems)	8
6.	Work with regulatory documents	6
	TOTAL (total – 42 AH)	42

### 7. Types of assessment formats for ongoing monitoring and mid-term assessment

No	Sem ester No.	Types of control		Name of section of academic discipline	Competence codes	Assessment formats		
						types	number of test questions	number of test task options
1.	5	Current monitoring	Control of mastering the topic	Environmental health	GPC -8, PC-1, PC -3, PC -10, PC -12	Test	150	unlimited
			Monitoring the student's individual work		UC-1, UC -4, UC -7, UC -8, GPC-4, GPC -7	Situational tasks	20	-
2.	5	Current monitoring	Control of mastering the topic	Nutrition hygiene	GPC -1, GPC -4, GPC -7, PC -1, PC -3, PC -10	Test	100	unlimited
			Monitoring the student's individual work		UC -1, UC -4, UC -5, UC -7	Situational tasks	5	-
3.	5	Current monitoring	Control of mastering the topic	Occupational medicine	GPC -8, GPC -13, PC -1	Test	120	unlimited
			Monitoring the student's individual work		UC -1, UC -3, UC -4, UC -6, UC -8	Situational tasks	5	-
4.	5	Current monitoring	Control of mastering the topic	Children hygiene	GPC -1, GPC -4, PC -1, PC -5, PC -10, PC -12	Test	100	unlimited
			Monitoring the student's individual work		UC -1, UC -3, UC -4, UC -5, UC -11	Situational tasks	11	-
5.	5	Current monitoring	Control of mastering the topic	Hospital hygiene	GPC -1, GPC -2, GPC -7, PC -1, PC -3, PC -12	Test	80	unlimited
			Monitoring the student's individual work		UC -2, UC -3, UC -4, UC -5, UC -8, UC -10, UC -11	Project	1	-
6.	5	Mid-term assessment	Credit	All sections	UC-1, UC-2, UC-3, UC-4, UC-5, UC-6, UC-7, UC-8, UC-10, UC-11, GPC-1, GPC-2, GPC-4, GPC-7, GPC-8, GPC-	Computer test	100	3

					13, PC-1, PC-3, P -5, PC-10, PC-12			
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## 8. Educational, methodological and informational support for mastering the academic discipline (printed, electronic publications, the Internet and other network resources)

### 8.1. Key literature references

№	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
1.	Shashina, E. A. Educational and methodological textbook for practical classes on hygiene : tutorial / E. A. Shashina, V. V. Makarova. - Moscow : GEOTAR-Media, 2021. - 208 p. : il. - ISBN 978-5-9704-5875-4.	5	200 <a href="https://www.studentlibrary.ru/ru/book/ISBN9785970458754.html?SSr=5701346363190d03bae35535ed347f1000062d9">https://www.studentlibrary.ru/ru/book/ISBN9785970458754.html?SSr=5701346363190d03bae35535ed347f1000062d9</a>
2.	Environmental health: tutorial / L.I.Aronova, E.N. Gus'kova, S.V. Plotnova, T.G. Shirokogorova . - NNSMA. - N. Novgorod : Publishing house NNSMA, 2017. - 102 p. - ISBN 9785703211861.	10	97 <a href="http://nbk.pimunn.net/ProtectedView/Book/ViewBook/2935">http://nbk.pimunn.net/ProtectedView/Book/ViewBook/2935</a>
3.	Hygiene in children and adolescents : tutorial / V. S. Kaveshnikov, T. V. Andropova, M. V. Gudina - Tomsk: Publishing house SSMU, 2019. - 94 p.	-	URL: <a href="https://www.books-up.ru/ru/read/hygiene-in-children-and-adolescents-9291552/">https://www.books-up.ru/ru/read/hygiene-in-children-and-adolescents-9291552/</a>
4.	Hygiene of Healthcare Organizations : tutorial / V. S. Kaveshnikov, V.N. Serebryakova, L.P. Volkotrub, T.V.Andropova. - Tomsk: Publishing house SSMU, 2018. - 126 p.	-	URL: <a href="https://www.books-up.ru/ru/read/hygiene-of-healthcare-organizations-7652782/">https://www.books-up.ru/ru/read/hygiene-of-healthcare-organizations-7652782/</a>

### 8.2. Further reading

№	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
1.	Primary prophylaxis in children: a training manual / Bogomolova E.S., Ashina M.V., Badeeva T.V., Maksimenko E.O., Kiseleva A.S. – N.Novgorod: Publishing house of PRMU, 2021. – 88 p. – ISBN 978-5-7032-1390-2	-	<a href="http://nbk.pimunn.net/ProtectedView2022/App/Viewer">http://nbk.pimunn.net/ProtectedView2022/App/Viewer</a>
2.	Food Hygiene : tutorial / U.A.Pfarger, V. S. Kaveshnikov, V.N. Serebryakova [et al.]. - Tomsk: Publishing house SSMU, 2018. - 132 p.	-	URL: <a href="https://www.books-up.ru/ru/read/food-hygiene-7637970/">https://www.books-up.ru/ru/read/food-hygiene-7637970/</a>
3.	Occupational and environmental health. Recognizing and preventing disease and injury / S. L. Baron, B. S. Levy, R. K. Sokas, D. H. Wegman. - 6th ed. - Oxford : Oxford University Press, 2011. - 854 p. : il. - ISBN 978-0-19-539788-8.	1	20

### 8.3. Electronic educational resources for teaching academic subjects

#### 8.3.1. Internal Electronic Library System of the University (IELSU)

№	Name of the electronic resource	Brief description (content)	Access conditions	Number of users
	<b>Internal Electronic Library System of University</b> <a href="http://nbk.pimunn.net/MegaPro/Web">http://nbk.pimunn.net/MegaPro/Web</a>	Works of the teaching staff of the University: textbooks, textbooks, collections of tasks, manuals, laboratory work, monographs, collections of scientific papers, scientific articles, dissertations, abstracts of dissertations, patents	From any computer and mobile device using an individual login and password. Access mode: <a href="http://nbk.pimunn.net/MegaPro/Web">http://nbk.pimunn.net/MegaPro/Web</a>	Unlimited

### 8.3.2. Electronic educational resources acquired by the University

№	Name of the electronic resource	Brief description (content)	Access conditions	Number of users
1.	<b>Electronic system "Book-up"</b> <a href="https://www.books-up.ru">https://www.books-up.ru</a>	Educational and scientific medical literature of Russian publishers, including translations of foreign publications. Within the framework of the project "Big Medical Library", publications of the participating universities are available	From any computer and mobile device using an individual login and password; access is automatic from university computers. Publications from the "My Books" section are available for reading. Access mode: <a href="http://nbk.pimunn.net/MegaPro/Web">http://nbk.pimunn.net/MegaPro/Web</a>	Unlimited Validity period: till 31.05.2022
2.	Integrated Information and Library system (IBS) of the scientific and educational medical cluster of the Volga Federal District - "Srednevolzhsky" (contract on a free basis)	Electronic copies of scientific and educational publications from the collections of libraries participating in the scientific and educational medical cluster of the Volga Federal District "Srednevolzhsky"	Access by individual login and password from any computer and mobile device. Access mode: websites of libraries participating in the project	Unlimited Validity period: unlimited
3.	Electronic legal reference system "Consultant Plus" (contract on a free basis) <a href="http://www.consultant.ru">http://www.consultant.ru</a>	Regulatory documents regulating the activities of medical and pharmaceutical institutions	From the computers of the scientific library. Access mode: <a href="http://www.consultant.ru/">http://www.consultant.ru/</a>	Unlimited Validity period: unlimited
4.	National Electronic Library (NEL) (contract on a free basis) <a href="http://НЭБ.рф">http://НЭБ.рф</a>	Electronic copies of publications (including scientific and educational) on a wide range of knowledge	Scientific and educational works that have not been reprinted in the last 10 years are in the public domain. Works restricted by copyright – from the computers of the scientific library. Access mode:	Unlimited Validity period: unlimited

			<a href="http://H3B.pф">http://H3B.pф</a>	
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### 8.3.3 Open access resources

№	Name of the electronic resource	Brief description (content)	Access conditions
1.	Federal Electronic Medical Library (FEML) <a href="http://H3B.pф">http://H3B.pф</a>	Full-text electronic copies of printed publications and original electronic publications on medicine and biology	From any computer located on the Internet. Access mode: <a href="http://H3B.pф">http://H3B.pф</a>
2.	Scientific Electronic Library eLIBRARY.RU <a href="https://elibrary.ru">https://elibrary.ru</a>	Abstracts and full texts of scientific publications, electronic versions of Russian scientific journals	From any computer located on the Internet. Access mode: <a href="https://elibrary.ru">https://elibrary.ru</a>
3.	Open Access Scientific Electronic Library CyberLeninka <a href="http://cyberleninka.ru">http://cyberleninka.ru</a>	Full texts of scientific articles with annotations published in scientific journals of Russia and neighboring countries	From any computer located on the Internet. Access mode: <a href="https://cyberleninka.ru">https://cyberleninka.ru</a>
4.	Electronic collection of Springer publishing house <a href="https://rd.springer.com">https://rd.springer.com</a>	Full-text scientific publications (journals, books, articles, scientific protocols, conference materials)	From university computers. Access mode: <a href="https://rd.springer.com">https://rd.springer.com</a>
5.	Database of periodicals published by Wiley <a href="http://www.onlinelibrary.wiley.com">www.onlinelibrary.wiley.com</a>	Periodicals published by Wiley	From university computers, from any computer with an individual login and password Access mode: <a href="http://www.onlinelibrary.wiley.com">www.onlinelibrary.wiley.com</a>
6.	Electronic collection of periodicals "Freedom" on the Science Direct platform <a href="https://www.sciencedirect.com">https://www.sciencedirect.com</a>	Periodicals of the Elsevier publishing house	From university computers, from any computer with an individual login and password Access mode: <a href="https://www.sciencedirect.com">https://www.sciencedirect.com</a>
7.	<b>Scopus Database</b> <a href="http://www.scopus.com">www.scopus.com</a>	International Abstract Database of Scientific Citation	From university computers, from any computer with an individual login and password Access mode: <a href="http://www.scopus.com">www.scopus.com</a>
8.	<b>Web of Science Core Collection Database</b> <a href="https://www.webofscience.com">https://www.webofscience.com</a>	International Abstract Database of Scientific Citation	From university computers, from any computer with an individual login and password Access mode: <a href="https://www.webofscience.com">https://www.webofscience.com</a>
9.	<b>Questel Orbit Database</b> <a href="https://www.orbit.com">https://www.orbit.com</a>	The company's patent database Questel	From university computers. Access mode: <a href="https://www.orbit.com">https://www.orbit.com</a>
10.	<b>PubMed</b> <a href="https://www.ncbi.nlm.nih.gov/pubmed">https://www.ncbi.nlm.nih.gov/pubmed</a>	US National Library of Medicine Database Search Engine «Medline», «PreMedline»	From any computer and mobile device. Access mode: <a href="https://www.ncbi.nlm.nih.gov/pubmed">https://www.ncbi.nlm.nih.gov/pubmed</a>
11.	<b>Directory of Open Access Journals</b> <a href="http://www.doaj.org">http://www.doaj.org</a>	Directory of open access to the full-text collection of periodicals	From any computer and mobile device. Access mode: <a href="http://www.doaj.org">http://www.doaj.org</a>

12.	<b>Directory of open access books (DOAB)</b> <a href="http://www.doabooks.org">http://www.doabooks.org</a>	Directory of open access to the full-text collection of scientific books	From any computer and mobile device. Access mode: <a href="http://www.doabooks.org">http://www.doabooks.org</a>
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## 9. Material and technical support for mastering an academic discipline

### 9.1. List of premises for classroom activities for the discipline

1. Lecture hall with multimedia equipment
2. Classroom for practical of food, air, soil and water hygiene, occupational, hospital, children hygiene.
3. Laboratory for assessment of water, soil, food.

### 9.2. List of equipment for classroom activities for the discipline

Instruments, devices: aquadistillator ADEA-4, gas analyzer MGL-19, dosimeter-radiometer DKS-96, dosimeter MKS-05 TERRA-P, air velocity and temperature meter Testo-415, temperature and humidity meter IVA-6A, thermometers maximum (mercury), minimum (alcohol), hygrometers hair, psychrometric VIT-2, August psychrometers, Assman aspiration psychrometers, universal gas analyzer UG-2, sets of indicator tubes, electric respirator (model 822), AERA aspirator, liquid rheometers, Zaitsev, Polezhaev, Petri, Richter absorbers, filters AFA-VP, AFA-HP, AFA-HS, AFAS-Y, ashless paper, plastic cartridges, rubber tubes (hoses), sorption tubes, gas pipettes, noise meter and vibrometer, cup anemometers, winged, spherical, cylindrical catathermometers, aneroid barometer, thermograph, barograph, hygrograph, Argus-01 luxmeter, luxmeter – UV meter TKA-01, radon radiometer RRA-01M-03, Ecotest 2000 pH meter, KFK-2 photoelectrokalorimeter, EV-74 ionometer, EM-01 ion-selective membrane electrodes (EIM-1, EIM-P), Krotov device, bacteriological sampler, Petri dishes, bactericidal irradiators OBN, OBNP, OBPe, UV-V irradiator, VMEN scales-150-100- I-D-A, height meter REP-1, wrist dynamometers DW 25, DW 50, DW 100, dynamometer DC 500, spirometer Spirotest, caliper KETS-100, tonometers Omron M6, Doctor Tone tonometers, a set of metal sieves, tripods, measuring cylinders, measuring cylinders without a bottom, flasks, glasses, funnels, glass capillary tubes, pipettes, reagent kits, electric stoves, scales and sets of weights, tape measure, tape tape, rulers.

Computers, laptop, Canon MFPs, multimedia projector, plasma TVs.

### 9.3. A set of licensed and freely distributed software, including domestic production

Item no.	Software	number of licenses	Type of software	Manufacturer	Number in the unified register of Russian software	Contract No. and date
1	Wtware	100	Thin Client Operating System	Kovalev Andrey Alexandrovich	1960	2471/05-18 from 28.05.2018
2	MyOffice is Standard. A corporate user license for educational organizations, with no expiration date, with the right to receive updates for 1 year.	220	Office Application	LLC "NEW CLOUD TECHNOLOGIES"	283	without limitation, with the right to receive updates for 1 year.

3	LibreOffice		Office Application	The Document Foundation	Freely distributed software	
4	Windows 10 Education	700	Operating systems	Microsoft	Azure Dev Tools for Teaching Subscription	
5	Yandex. Browser		Browser	«Yandex»	3722	
6	Subscription to MS Office Pro for 170 PCs for FGBOU VO "PIMU" of the Ministry of Health of Russia	170	Office Application	Microsoft		23618/HN10030 LLC "Softline Trade" from 04.12.2020

Federal State Budgetary Educational Institution of Higher Education  
 "Privolzhsky Research Medical University"  
 Ministry of Health of the Russian Federation  
 (FSBEI HE "PRMU" of the Ministry of Health of Russia)

Department of Hygiene

**CHANGE REGISTRATION SHEET**

working program for the academic discipline  
**Hygiene**

Field of study / specialty / scientific specialty: **31.05.03 DENTISTRY**

Training profile: \_\_\_\_\_  
*(name) - for master's degree programs*

Mode of study: **FULL-TIME**

Position	Number and name of the program section	Contents of the changes made	Effective date of the changes	Contributor's signature
1				

Approved at the department meeting  
 Protocol No. \_\_\_\_\_ of \_\_\_\_\_ 20\_\_



Head of the Department,  
Doctor of Medical Sciences

\_\_\_\_\_20\_\_

\_\_\_\_\_

(signature)

E. S. Bogomolova