

**Summary to the work program of the discipline  
"DENTAL HEALTH OF THE POPULATION"**

**the main professional educational program of higher education (specialty) specialty 31.05.03  
"Dentistry"**

**1.1. The purpose of mastering the discipline:**

The purpose: - to teach students modern methods and means of preventing dental diseases for carrying out preventive measures in practice among various contingents of the population.  
- formation of stable positive motivation for a healthy lifestyle, concepts, beliefs in the need to preserve one's health and strengthen it through preventive measures

The process of studying the discipline is aimed at the formation of the following professional competencies (PC) in the graduate:

- preventive activities:

UC-1 is able to carry out a critical analysis of problematic situations based on a systematic approach, develop a strategy of actions

PC-10 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.

**2. The place of discipline in the structure of the OPOP in the organization.**

**2.1. The discipline refers to the Part formed by the participants of educational relations**

**3. Results of discipline development and indicators of competence achievement.**

The study of the discipline is aimed at the formation of the following general cultural (UC), general professional (GPC) and professional (PC) competencies among students:

P / №	Competence code	The content of the competence (or part of it)	Code and name of the competence achievement indicator	As a result of studying the discipline, students should:		
				To know	Be able to	Master
1	UC-1	He is able to carry out a critical analysis of problematic 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 is able to: 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 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	1. norms of the culture of thinking, the basics of logical thinking; 2. understand the social significance of your future profession; 3. basic principles of critical analysis	1. to form a systematic approach to the analysis of medical information, based on the comprehensive principles of evidence-based medicine; 2. be able to adequately perceive information, logically correctly, argumentatively and clearly	- skills of presenting an independent point of view, analysis and logical thinking, public speech, moral and ethical argumentation, conducting discussions; - principles of medical deontology and medical ethics; skills of informing patients of various age

					build oral and written speech, 3. critically evaluate their advantages and disadvantages, analyze socially significant problems;	groups and their relatives and loved ones in accordance with the requirements of the rules of "informed consent
2	PC-10	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>IPC 10.1 Knows: Forms and methods of sanitary and hygienic education among patients (their legal representatives), medical workers Features of specific and non-specific prevention of dental diseases 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 Methods and forms of communication organization, techniques and techniques for attracting the population to training in hygienic measures of a health-improving nature 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 Educational technologies and methods of teaching patients and medical workers IPC 10.2 is 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 To carry out sanitary and educational work among children and adults with dental diseases in order to form a healthy lifestyle and prevent dental diseases To involve medical personnel at the disposal in planning and developing the content of measures for sanitary and hygienic education among the</p>	<p>1. the main criteria for a healthy lifestyle and its formation; 2. socio-hygienic and medical aspects of alcoholism, drug addiction, and their prevention; 3. Forms and methods of sanitary and hygienic education among various age groups; 4. features of the organization and conduct of group prevention in kindergarten and school; 5. the main risk factors in the occurrence of caries and periodontal diseases;</p>	<p>1. conduct conversations and lectures with various groups of the population on the prevention of the occurrence and development of dental diseases; 2. explain the necessity and principles of eliminating caries-causing factors related to nutrition and personal hygiene of the oral cavity; 3. to form positive behavior in patients aimed at maintaining and improving the level of health;</p>	<p>1. the methodology of dental education of the population on the occurrence and prevention of dental diseases; 2. make plans for "health lessons", texts of conversations, memos, lectures on the prevention of dental diseases, taking into account the specifics of the trained contingent; 3. to motivate patients to lead a healthy lifestyle and give up bad habits;</p>

		<p>population, training of patients and medical workers</p> <p>It is reasonable to use technical means of training, information computer technologies, electronic educational and information resources, distance educational technologies and e-learning, including telemedicine technologies</p> <p>To carry out an analysis of the measures taken for sanitary and hygienic education among the population</p> <p>IPC 10.3 Has practical experience in Planning, organizing and conducting events within the framework of sanitary and hygienic education among the population</p> <p>Planning, organizing and conducting training of patients and medical workers</p> <p>Promotion of a healthy lifestyle and prevention of dental diseases</p> <p>Formation of behavior in children and adults (their legal representatives) aimed at preserving and improving the level of dental health</p>			
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#### 4. The scope of the discipline and types of academic work.

Type of educational work	Labor		Labor intensity by semester (AH)				
	intensity volume in credits (ZE)	volume in academic hours (AH)	2	3	4	5	6
<b>Classroom work, including</b>	<b>3</b>	<b>108</b>					<b>108</b>
Lectures (L)	0,3	14					14
Laboratory workshops (LP)							
practical classes (PZ)	1,5	52					52
Seminars (C)							
Student's Independent work (SRS)	1,2	42					42
Intermediate certification							
test/exam (specify the type)							зачет
<b>TOTAL</b>	<b>3</b>	<b>108</b>					<b>108</b>

#### 5. Sections of the discipline and competencies that are formed during their study:

p/ №	Competence code	Name of the discipline section	Content of the section in didactic units
	UC – 1, PC-10	Focal enamel demineralization. Methods of aromatherapy. Microabrasion.	Local (exogenous) means of fluoride prophylaxis: fluoride-containing varnishes, gels, solutions for rinsing and applications, toothpastes. Microabrasion method, Materials, indications, contraindications, methods, effectiveness. Detection of early forms of caries: examination, probing, vital staining of

			enamel, etc.
UC – 1, PC-10	Teeth whitening		The history of the issue. The nature of tooth staining. Indications, contraindications. Classification of bleaching methods. Features of the procedure. Prevention
UC – 1, ПК-10	Sealing of fissures		Indications and contraindications. Technique of invasive and non-invasive sealing of fissures. The success of the method and the forecast.
UC – 1, PC-10	Hygiene of dentures		Superficial formations on the teeth. Professional oral hygiene and its importance in the prevention of dental diseases. Hygienic education and training of the population in oral hygiene is an integral part of comprehensive programs for the prevention of dental diseases. Hygiene items and products.
UC – 1, PC-10	Oncological alertness in the work of a dentist.		Precancerous diseases of the oral mucosa. Clinical signs. Examination protocol. Routing of patients. Motivation of the population to maintain oral health. The content and features of dental education in women's clinics, healthy child rooms, kindergartens, schools, dental clinics.
UC – 1, PC-10	Emergency conditions in dentistry		Introduction. Organizational principles. Diagnosis and choice of emergency care tactics. Questionnaire and medical examination of the patient. Exam. Clinical evaluation. Definition of medical risk. Prevention of emergency conditions. Tactical errors in the treatment process. The choice of tactics in accordance with the clinical case. Fainting. Collapse. Epilepsy. Psychogenic seizures. Diabetes mellitus. Precautions during dental treatment. Chronic renal failure and clinical manifestations in the oral cavity. Allergic conditions in dentistry. Classification, etiology, clinical manifestations and necessary medical care in a dental clinic. Cardiopulmonary resuscitation
UC – 1, PC-10	Teratogenesis of congenital facial defects and their prevention. Prevention of injuries to the face and oral organs.		Embryogenesis of the oral organs. Risk factors for congenital facial defects. Exogenous and endogenous factors. Classification. Prevention and early detection. Treatment and rehabilitation of patients with congenital malformations of the face and oral organs
CC – 1, PC-10	Prevention of secondary dental anomalies. Diagnosis of pathological conditions in orthopedic dentistry		Morphological characteristics of periods of bite development. Diagnosis of pathological conditions in orthopedic dentistry. Prevention of deformities of the dentition. Orthopedic methods of treatment of secondary deformities.
CC – 1, PC-10	Composite filling materials. The technique of sealing all classes of Black, the method of restoring the contact point.		Types of contact points. Matrix systems. Types of matrices. Requirements for the restoration of the contact point. Errors and complications. The influence of the contact point on the development of periodontal diseases
CC – 1, PC-10	Photography in aesthetic dentistry. Functional examination methods in aesthetic dentistry.		Types of lasers used, comparative characteristics, indications and contraindications. Effects. Application in modern dentistry: endodontics, periodontics, surgery, orthodontics, implantology.