

**Federal State Budgetary Educational Institution of Higher Education  
"NORTH OSSETIAN STATE MEDICAL ACADEMY"  
of the Ministry of Health of the Russian Federation**

УТВЕРЖДАЮ

Ректор ФГБОУ ВО СОГМА Минздрава России

«17» april 2024 г.

**WORKING PROGRAM OF THE DISCIPLINE  
CLINICAL DENTISTRY**

the main professional educational program of higher education is the specialty program in the specialty 31.05.03 Dentistry, approved on 17.04.2024.

Form of education \_\_\_\_\_ full - time \_\_\_\_\_

Term of development МРЕР HE \_\_\_\_\_ 5 years \_\_\_\_\_

Chair \_\_\_\_\_ dentistry № 1 \_\_\_\_\_

Vladikavkaz, 2024

When developing the educational training programme, the discipline is based on:

1. Federal State budget educational standards of Higher Education on specialty 31.05.03 Dentistry, approved by the Ministry of Education and Science of the Russian Federation. August «12», 2020 N984

2. The curriculum for specialty 31.05.03 Dentistry,

СТОМ-21-01-21

СТОМ-21-02-22

СТОМ-21-03-23

СТОМ-21-04-24

approved by the Academic Council of the Federal State Budgetary Educational Institution of Higher Education «North-Ossetia State Medical Academy» of the Ministry of Healthcare of the Russian Federation, 17.04.2024, protocol № 6

The educational training programme of the discipline was approved at the meeting of the department on 27.03.2024, protocol №7

The educational training programme of the discipline was approved at the meeting of the central coordinating training and methodological council from 02.02.2024, Protocol № 4

The educational training programme is approved by the Academic Council of the Federal State Budgetary Educational Institution of Higher Education «North-Ossetia State Medical Academy» of the Ministry of Healthcare of the Russian Federation, 17.04.2024, protocol № 6

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## **WORK PROGRAM CONTENT**

1. name of the discipline;
2. a list of planned learning outcomes in the discipline, correlated with the planned results of mastering the educational program;
3. indication of the place of the discipline in the structure of the educational program;
4. the volume of discipline in credit units indicating the number of academic or astronomical hours allocated for contact work of students with a teacher (by type of training) and for independent work of students;
5. the content of the discipline, structured by topics (sections) indicating the number of academic or astronomical hours allocated to them and types of training sessions;
6. a list of educational and methodological support for independent work of students in the discipline;
7. a fund of evaluation tools for conducting intermediate certification of students in the discipline;
8. a list of basic and additional educational literature necessary for mastering the discipline;
9. a list of resources of the information and telecommunication network "Internet" necessary for mastering the discipline;
10. methodological instructions for mastering the discipline for students;
11. a list of information technologies used in the implementation of the educational process in the discipline, including a list of software and information reference systems (if necessary);
12. description of the material and technical base necessary for the implementation of the educational process in the discipline;
13. conducting educational activities using e-learning and distance learning technologies.

**1. The list of planned learning outcomes in the discipline and the results of mastering the educational program**

No. p / P	Number / index of competence	Content of competence (or parts of it)	Topic of the lesson (section)	Competency achievement indicators	Development results		
					know	be able to	own
1	2	3	4	5	6	7	8
	UC-1	Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	Diagnosis and emergency care for cardiovascular and acute respiratory failure, shocks of various etiologies, septic conditions, allergic reactions, disorders of consciousness and epileptoid conditions. Changes in the oral mucosa in some systemic diseases and metabolic disorders.	ID-1UK-1 Analyzes the problem situation and decomposes it into separate tasks ID-2UK-1 Develops a strategy for solving problems ID-3UK-1 Forms possible solutions to problems	- methods of abstract thinking in establishing the truth, methods of scientific research by mental dismemberment of the object (analysis) and by studying the subject in its integrity, the unity of its parts (synthesis); - methods and techniques of philosophical analysis of problems;	- use historical-philosophical and system-analytical methods in the study of the general laws of the functioning of nature, society and man,- use the methods of abstract thinking, analysis and synthesis, analyze alternative options for solving research problems and evaluate the effectiveness of the implementation of these options	- a holistic system of skills for using abstract thinking in solving problems that arise during the performance of research work, - skills of presenting an independent point of view, analysis and logical thinking, public speech, moral and ethical argumentation, discussions and round tables; - principles of medical deontology and medical ethics; - the skills of informing patients of different age groups and their relatives and friends in accordance with the requirements of the rules of "informed consent"
	UC-3	Able to organize and manage the work of a team, develop a team strategy to achieve the goal	Organization of dental care to the population. The structure of the dental service. Resource support of the dental service. Organization	ID-1UK-3 Develops a team work strategy and, on its basis, organizes the selection of team	- Comprehensive examination of the dental patient; planning and conducting	Conduct a survey, collect an anamnesis of life, an anamnesis of the disease,	General clinical examination skills for children and adults; the skills of the grounds for

			of work of structural divisions. Sanitary and hygienic standards in dentistry. Communication with patients. Psychodiagnostics and psychocorrection of the patient's emotional state at a dental appointment. Patient motivation for dental treatment. Deontology.	members to achieve the goal ID-2UK-3 Organizes and corrects the work of the team, including on the basis of collegial decisions; ID-3UK-3 Organizes a discussion of the results of the work, incl. as part of a discussion involving opponents	complex treatment of a dental patient with the involvement of colleagues of related and general specialties; relationships "doctor-patient", "doctor-relatives"; - moral and ethical standards, rules and principles of professional medical behavior	conduct an external examination, oral cavity, conduct other clinical examination methods. Refer to related specialists for a definitive diagnosis. Involve colleagues of other narrow specialties for complex treatment of a dental patient.	consulting a patient by a doctor -specialist; skills about organizing and conducting consultations in the same medical organization, Where is patient care provided?
	UC-6	Able to identify and implement the priorities of their own activities and ways to improve them based on self-assessment and lifelong learning	Etiology, clinic, diagnosis, treatment of major dental diseases.	ID-1UK-6 Assesses own resources and their limits (personal, situational, temporary), uses them optimally for the successful completion of the assigned task ID-2UK-6 Determines the priorities of personal growth and ways to improve one's own performance based on self-assessment	- potential strengths and weaknesses of the personality; - effective ways of self-learning; - methods of effective time planning; - major time wasters	- make long-term and short-term plans; - organize your time; - build a portfolio; - plan your life for the period of study in an educational organization	- techniques for analyzing meaningful life problems and setting priorities; - planning your professional trajectory
	<b>GPC-1</b>	Able to implement moral and legal norms, ethical and deontological principles in professional activities	Iatrogenicity in dental practice. Ergonomics and deontological principles in the treatment of caries and non-carious lesions of hard dental tissues.	ID-1OPK-1 Complies with moral and legal standards in professional activities. ID-2OPK-1 Able to assess the social and personal characteristics of the patient and the degree of	-professional ethics and deontology of medical practice; -the role of informed consent	- communicate with patients and colleagues; - work in a team in the diagnosis and treatment of	- communication skills with colleagues and patients

				their influence on the course of the disease ID-3OPK-1 Presents professional information in the process of intercultural interaction, observing the principles of ethics and deontology		various types of pathology	
<b>GPC 2</b>	Able to analyze the results of their own activities to prevent professional errors	Differential diagnosis of caries, non-carious lesions, periodontal disease, diseases of the oral mucosa Errors in the diagnosis of dental diseases. Mistakes made in the treatment of major dental diseases. Treatment of complications arising from professional errors.	ID-1OPK-2 Able to analyze errors in the diagnosis and treatment of hard tissues of teeth, periodontium, oral mucosa ID-2OPK-2 Able to prevent and eliminate complications arising in the treatment of caries, its complications, non-carious lesions, periodontitis, diseases of the oral mucosa.	- Causes of complications in dental practice in the treatment of caries, non-carious lesions, endodontic treatment, periodontal treatment; ways to prevent them; and elimination of errors that occur in the treatment of major dental diseases.	Conduct a thorough examination of the dental patient; plan complex treatment of dental patients; - identify, eliminate and take measures to prevent complications in the treatment of caries and its complications, non-carious lesions of the teeth, periodontal disease and oral mucosa	- methods of examination of patients with major dental diseases; methods for the treatment of recurrent caries, repeated endodontic treatment, treatment of exacerbated forms of periodontitis, treatment of emergency conditions that occur at an outpatient dental appointment	
<b>GPC -5</b>	Able to conduct an examination of the patient in order to establish a diagnosis in solving professional problems.	The main methods of examination of teeth, dentition, periodontal and oral mucosa. Additional research methods. Functional and laboratory research methods. Drawing up a treatment plan. Classification of diseases of hard tissues of	ID-1OPK-5 Uses the algorithm of clinical laboratory and functional diagnostics in solving professional problems. ID-2OPK-5 Competently interprets the results of the main and additional methods of examination	- a method of collecting information from dental patients - a method of examining dental patients - the etiology and pathogenesis of diseases of dental	- Conduct a general clinical examination of children and adults; - Substantiate the need and scope of laboratory tests; - justify the need to refer patients for	- the skills of obtaining information from dental patients) - the skills of primary examination in accordance with the current methodology - the skills of making a diagnosis	

			teeth, periodontium and diseases of the oral mucosa. Clinical manifestations of caries, non-carious lesions, pulpitis, periodontitis, periodontal diseases, diseases of the oral mucosa.	ID-3OPK-5 Uses modern classifications to make a final diagnosis	diseases - a modern classification, clinical symptoms of dental diseases, - modern methods of clinical and paraclinical diagnostics of the main nosological forms and pathological conditions - clinical picture, features of the course of complications of diseases - clinical picture of conditions requiring referral of patients to specialist doctors - clinical picture of conditions requiring emergency care	consultation to specialist doctors - analyze and interpret the information received from patients - conduct examinations of dental patients - interpret the results of instrumental, laboratory examination of the oral cavity and	- re-examination skills in accordance with the current methodology - skills of competent interpretation of data from additional examinations of patients (including radiographs, teleroentgenograms, radiovisiograms, orthopantomograms, tomograms (on film and digital media))
	<b>GPC -6</b>	Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional problems	Treatment of dental caries and its complications at different stages of development. Features of the course and treatment of dental caries in different age groups. treatment of diseases and anomalies of the oral mucosa in children. Diagnosis, features of prevention and treatment of occlusal disorders. Features of the course and treatment of odontogenic inflammatory	ID-1OPK-6 Apply clinical recommendations (treatment protocols) on the provision of medical care ID-2OPK-6 Takes into account the clinical and pharmacological characteristics of the main groups of drugs when choosing specific drugs for the treatment of major pathological syndromes, diseases and emergency conditions in dental patients	-standards of medical care for diseases -clinical picture, features of the course of complications of dental diseases - clinical picture of conditions that require referral of patients to specialist doctors -modern methods of treatment of major dental diseases - the mechanism	- use the necessary medical equipment - prescribe drug therapy taking into account the age and clinical picture of the disease - prescribe non-drug therapy taking into account the age and clinical picture of the disease - analyze the effect of drugs	- skills in developing a treatment plan taking into account the clinical picture of the disease - skills in prescribing drug therapy taking into account the clinical picture of the disease - Skills in prescribing non-drug therapy taking into account the clinical picture of the disease - Skills in implementing recommendations on

			<p>processes Methods for conducting remineralizing therapy, carious spot infiltration; methods of treatment of patients with dental caries; methods of treatment of patients with diseases of hard tissues of teeth of non-carious origin; methods of whitening vital teeth; methods of atraumatic preparation of carious cavities</p>	<p>ID-3OPK-6 Determines the methods of administration, regimen and dose of drugs for the treatment of a dental patient</p>	<p>of action of the main groups of drugs; medical indications and contraindications to their use; complications associated with their use. - methodology for performing resuscitation measures; principles of organizing and conducting intensive care and resuscitation in the provision of medical care on an outpatient basis</p>	<p>according to the totality of their pharmacological effects on the body - evaluate the effectiveness and safety of drug therapy - evaluate the effectiveness and safety of non-drug treatments</p>	<p>drug and non-drug therapy prescribed by medical specialists - Skills in providing medical care in emergency conditions - Skills in assessing the effectiveness and safety of drug therapy Skills in assessing the effectiveness and safety of non-drug methods of treatment</p>
	<b>GPC -9</b>	<p>Able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems</p>	<p>Hereditary and congenital malformations of hard dental tissues: imperfect amelo- and dentinogenesis, hypoplasia, fluorosis. Clinic, differential diagnostics. Diagnosis and emergency care for cardiovascular and acute respiratory failure, shocks of various etiologies, septic conditions, allergic reactions, disorders of consciousness and epileptoid</p>	<p>ID-1OPK-5 Able to evaluate the results of clinical laboratory and functional diagnostics in solving professional problems</p> <p>ID-2OPK-5 Able to determine the morphofunctional, physiological conditions and pathological processes in the human body</p>	<p>- the laws of genetics, its significance for medicine and dentistry, including; - chemical and biological essence of the processes occurring in a living organism at the molecular, cellular, tissue and organ levels; - - concepts of etiology, pathogenesis, morphogenesis,</p>	<p>- to interpret the results of the most common methods of laboratory and functional diagnostics to identify pathological processes in the organs and systems of patients; - to substantiate the nature of the pathological process and its</p>	<p>- methods of general clinical examination of children and adults; - clinical methods of examination of the maxillofacial region; - interpretation of the results of laboratory, instrumental diagnostic methods in patients of different ages; - information about the principles of the structure of the human body; - the concept of the body as</p>



			<p>conditions. Resuscitation in outpatient dental practice. Medicines and equipment needed for emergency care. Medical, legal and social aspects of emergency care.</p>		<p>pathomorphosis of the disease, principles of classification of diseases;  - basic concepts of general nosology; functional systems of the human body, their regulation and self-regulation when exposed to the external environment in normal and pathological processes;  - anatomical, physiological, age and sex characteristics of a healthy and sick person.</p>	<p>clinical manifestations, the principles of pathogenetic therapy of the most common dental diseases, taking into account the general somatic disease - to identify deviations from the normal functioning of organs and their systems</p>	<p>a whole - methods for assessing the state of the human body</p>
	<b>GPC -12</b>	<p>Able to implement and monitor the effectiveness of medical rehabilitation of a dental patient</p>	<p>Classification of non-gunshot facial injuries. Statistics. Methods of examination of patients with facial trauma. Non-gunshot injuries of the soft tissues of the face. Clinic, diagnosis, treatment. Features of primary surgical treatment of facial soft tissue wounds. Dislocations of teeth. Fractures of teeth. Fracture of the alveolar process. Dislocation of the lower jaw.</p>	<p>ID-1OPK-12 Competently draws up an individual rehabilitation plan for a patient with diseases of the maxillofacial region  ID-2OPK-12 Able to provide qualified medical care in their specialty using modern rehabilitation methods approved for use in medical practice</p>	<p>- medical indications and contraindications for rehabilitation measures for various diseases and pathological conditions  -Basic principles of rehabilitation of patients with diseases of the maxillofacial region  - Requirements for labor protection, fire safety,</p>	<p>-develop a rehabilitation plan for patients with diseases of the maxillofacial region  - to carry out rehabilitation measures for diseases of the maxillofacial region  - apply methods of complex rehabilitation of patients with</p>	<p>Skills in carrying out rehabilitation measures for diseases of the maxillofacial region  - apply methods of complex rehabilitation of patients with dental diseases, taking into account the general condition of the body and the presence of concomitant pathology</p>

			Classification, clinic, diagnosis, treatment		emergency procedures	dental diseases, taking into account the general condition of the body and the presence of concomitant pathology	
	<b>GPC -13</b>	Able to solve standard tasks of professional activity using information, bibliographic resources, biomedical terminology, information and communication technologies, taking into account the basic requirements of information security	Diagnosis, features of prevention and treatment of occlusal disorders. Features of the course and treatment of odontogenic inflammatory processes. Methods for conducting remineralizing therapy, carious spot infiltration; methods of treatment of patients with dental caries; methods of treatment of patients with diseases of hard tissues of teeth of non-carious origin; methods of whitening vital teeth; methods of atraumatic preparation of carious cavities	ID-1OPK-12 Uses modern information and communication tools and technologies in professional activities. ID-2OPK-12 Complies with the rules of information security in professional activities.	-composition and purpose of the main elements of a personal computer, their characteristics; - concepts and classification of software - basics of probability theory and mathematical statistics; -	-use educational, scientific, popular science literature, the Internet for professional activities; - carry out statistical processing of experimental data;	- basic information transformation technologies: text, spreadsheet editors; - techniques of working on the Internet for professional activities; - medical-functional conceptual apparatus; - methods of processing text and graphic information
	<b>PC-1</b>	Examination of the patient in order to establish a diagnosis	Criteria for assessing dental health. Goals, objectives and basic principles for diagnosing a dental patient. Onnovye clinical methods of examination. Additional examination methods:	ID-1PK-1 Competently interprets the results of collecting information from patients ID-2PK-1 Competently interprets the data of instrumental, laboratory and functional studies ID-1PK-1 Takes into account the data of	- Topographic anatomy of the head, maxillofacial region, features of blood supply, innervation and lymphatic system, structure of teeth, periodontium, oral mucosa,	- justify the need and scope of instrumental and laboratory studies; - justify the need and scope of additional examinations of patients (including	- the skills of collecting complaints, anamnesis of the disease, anamnesis of life in dental patients with diseases of the hard tissues of the teeth, periodontium, oral mucosa and red border of the lips,

		<ul style="list-style-type: none"> <li>- definition of occlusion (occlusion chart, etc.);</li> <li>- radiography;</li> <li>- determination of viability (vitality) of teeth (EOM);</li> <li>- electrometric determination of the working length of the root canal using an apex locator;</li> <li>- determination of allergy to dental materials according to the RDTK test;</li> <li>- laboratory diagnostics (microbiological, immunological, biochemical, virological and other methods);</li> <li>- morphological examination (histological, cytological);</li> <li>- stomatoscopy;</li> <li>- study of the processes of salivation and chewing;</li> <li>- CT scan</li> </ul>	<p>consultations of patients by medical specialists</p> <p>ID-1PK-1 Establishes the correct final diagnosis in diseases of the organs and tissues of the oral cavity according to the accepted modern international classification of diseases</p>	<ul style="list-style-type: none"> <li>- age-related changes in the maxillofacial region, features of the impact on it of the external and internal environment</li> <li>-special and additional research methods for the differential diagnosis of dental diseases;</li> <li>- medical indications and contraindications to the use of X-ray and other methods of additional examination;</li> <li>-features of medical examination of elderly and senile patients</li> </ul>	<p>radiographs, teleroentgenograms, radiovisiograms, orthopantomograms, tomograms (on film and digital media))</p> <ul style="list-style-type: none"> <li>- conduct physical examinations and interpret their results;</li> <li>- conduct a general clinical examination;</li> <li>- justify the need to refer patients for consultation to specialist doctors</li> </ul>	<p>salivary glands, temporomandibular joint;</p> <ul style="list-style-type: none"> <li>- skills of examination, probing of teeth, palpation, percussion, thermometry;</li> <li>skills in reading the results of additional laboratory research methods (cytological, histological, microbiological, radiological, clinical studies of saliva, blood)</li> </ul>
<b>PC-2</b>	Prescribing, monitoring the effectiveness and safety of non-drug and drug treatment	<p>Invasive and non-invasive methods of caries treatment. Endodontic treatment. Conservative and surgical methods of treatment of periodontal diseases. Complex therapy of lesions of the mucosa of the oral cavity and the red border of the lips. Treatment of diseases of the salivary glands and temporomandibular joint.</p>	<p>ID-1PK-2 Uses an algorithm for the use of medical technologies, specialized equipment and medical devices in the treatment of a dental patient</p> <p>ID-2PK-2 Competently uses drugs and other substances and their combinations in the treatment of diseases of the oral mucosa and the red</p>	<ul style="list-style-type: none"> <li>-Groups of drugs, their pharmacokinetics, pharmacodynamics, drug compatibility</li> <li>- clinical picture,</li> <li>- Features of the pharmacokinetics and pharmacodynamics of drugs in elderly patients, senile age - the main methods of treatment (medical</li> </ul>	<ul style="list-style-type: none"> <li>-Prescribe drug therapy for diseases of the oral mucosa and the red border of the lips in accordance with the available medical indications, taking into account the pharmacodynamics and pharmacokinetics</li> </ul>	<ul style="list-style-type: none"> <li>- injection methods of drug treatment</li> <li>- application methods of drug treatment</li> <li>- physiotherapeutic methods of treatment of teeth, periodontium, oral mucosa and red border of the lips</li> <li>- skills to provide qualified medical care to dental patients with diseases of the teeth,</li> </ul>

			Emergency care for immediate allergic reactions, myocardial infarction, fainting, collapse, etc.	border of the lips of a dental patient	indications, contraindications, complications) of diseases of the hard tissues of the teeth, periodontium and oral mucosa, -principles, techniques and methods of anesthesia in dentistry -principles of device and rules for the operation of modern medical dental products and equipment	of drugs - evaluate the effectiveness and safety of medical methods of treatment of organs and tissues of the oral cavity; - evaluate the effectiveness and safety of non-drug methods of treatment of teeth, periodontium, oral mucosa -to develop optimal tactics for the treatment of dental pathology in elderly and senile patients, taking into account general somatic disease	periodontium and oral mucosa and the red border of the lips using modern methods of treatment approved for use in medical practice - Skills in providing medical care in emergency and urgent forms
	<b>PC-3</b>	Development, implementation and control of the effectiveness of individual rehabilitation programs	Odontogenic inflammatory diseases. Complications of odontogenic inflammatory processes of the face and neck. Features of diagnosis and treatment. Inflammatory diseases of the salivary glands. Differential diagnosis. Treatment. Non-gunshot injuries of the soft tissues of the face. Clinic, diagnosis, treatment. Features of primary surgical	ID-1PK-3 Able to develop an individual rehabilitation plan for a patient with diseases of the maxillofacial region ID-2PK-3 Able to provide qualified medical care to surgical dental patients using modern rehabilitation methods approved for use in medical practice	- medical indications and contraindications for rehabilitation measures for various diseases and pathological conditions -Basic principles of rehabilitation of patients with diseases of the maxillofacial region - Requirements for labor protection,	-develop a rehabilitation plan for patients with diseases of the maxillofacial region - to carry out rehabilitation measures for diseases of the maxillofacial region - apply methods of complex rehabilitation of patients with dental diseases, taking into account the general condition of the body and the presence of concomitant pathology	Skills in carrying out rehabilitation measures for diseases of the maxillofacial region - apply methods of complex rehabilitation of patients with dental diseases, taking into account the general condition of the body and the presence of concomitant pathology

			<p>treatment of facial soft tissue wounds.</p> <p>Dislocations of teeth.</p> <p>Fractures of teeth. Fracture of the alveolar process.</p> <p>Dislocation of the lower jaw.</p> <p>Classification, clinic, diagnosis, treatment</p>		<p>fire safety, emergency procedures</p>	<p>patients with dental diseases, taking into account the general condition of the body and the presence of concomitant pathology</p>	
	<b>PC-4</b>	<p>Carrying out and monitoring the effectiveness of sanitary and anti-epidemic and other preventive measures to protect public health</p>	<p>Features of specific and nonspecific prevention of infectious diseases.</p> <p>Compliance with the norms of the sanitary and epidemiological regime to prevent the spread of a new coronavirus infection and other infectious diseases.</p> <p>Regular and timely sanitation of the oral cavity as an effective way to maintain dental health.</p>	<p>ID-1PK-4 Be able to develop plans for preventive and anti-epidemic measures</p> <p>ID-2PK-4 Complies with basic sanitary and hygienic rules that help prevent infectious diseases</p> <p>ID-3PK-4 Shows oncological alertness, conducting a thorough examination of a patient with diseases of the oral mucosa</p>	<p>-Principles of dispensary observation in various categories of patients and among the population</p> <p>-Features of specific and nonspecific prevention of infectious diseases</p> <p>-Features of prevention of oncopathology</p> <p>- Clinical picture, symptoms of major diseases and borderline conditions of the maxillofacial region in adults and children, their prevention</p> <p>- Fundamentals of preventive medicine aimed at improving the health of the population</p>	<p>- Carry out preventive examinations of various categories of citizens</p> <p>- To carry out the prevention of diseases of the oral mucosa and the red border of the lips,</p> <p>- Apply methods of organizing primary prevention of dental diseases in any age group</p> <p>-use personal protective equipment</p>	<p>- Skills in conducting preventive examinations of the population</p> <p>- skills in carrying out activities for the prevention of diseases of the oral mucosa and lips, including onco-hygienic prevention</p> <p>-skills in providing qualified medical care in their specialty using modern methods of prevention approved for use in medical practice</p> <p>-skills of brief counseling on the prevention of diseases of the oral mucosa and the red border of the lips</p>

					<ul style="list-style-type: none"> <li>- Requirements for labor protection, fire safety, emergency procedures</li> <li>-Sanitary and epidemiological standards and requirements</li> </ul>		
	<b>PC-5</b>	Conducting sanitary and hygienic education among the population and medical workers in order to form a healthy lifestyle	Sanitary and hygienic education in the field of prevention of dental diseases. Definition, goals, objectives, forms, methods and means of dental education. Materials on dental education and principles for their development	ID-1PK-5 is able to form in patients the motivation to lead a healthy lifestyle and give up bad habits ID-2PK-5 is able to motivate the patient to prevent and treat dental diseases.	The main criteria for a healthy lifestyle and methods for its formation Forms and methods of sanitary and hygienic education among the population and medical workers The main hygienic measures of a health-improving nature that promote health and prevent diseases	Conduct health and hygiene education among patients (their relatives/legal representatives) and medical workers in order to promote a healthy lifestyle To form in patients (their relatives/legal representatives) behavior aimed at maintaining and improving the level of health	learning skills hygienic measures of a health-improving nature that promote health and prevent the occurrence of diseases of hard dental tissues. Compliance with the principles of medical ethics and deontology in working with patients (their relatives/legal representatives), colleagues
	<b>PC-6</b>	Organizational and managerial activities	The procedure for providing medical care to the adult population in case of dental diseases (ORDER No. 786n dated July 31, 2020)  official duties of medical workers in medical	ID-1PK-6 is able to competently maintain medical records ID-2PK-6 is able to manage and control the work of medical workers holding the positions of	-Pthe procedure for providing medical care to the adult population in case of dental diseases (ORDER No. 786n dated July 31, 2020)	- fill out medical records and control the quality of medical records --analyze the quality of medical care - draw up a work	- skills of filling out a medical record of a dental patient form No. 043 /at - the skills of maintaining a "Daily record sheet of the work of a dentist" of

		<p>organizations;          -features of maintaining medical records;          -general issues of organization of medical care to the population</p>	<p>middle and junior medical personnel          ID-3PK-6 correctly draws up a work plan and a report on the work done</p>	<p>- job responsibilities of medical workers in medical organizations;          -features of maintaining medical records;          -general issues of organization of medical care to the population          -criteria for assessing the quality of medical care</p>	<p>plan and report on their work</p>	<p>accounting form No. 037 / y-06          - the skills of maintaining an accounting form No. 039 / y-06 "Diary of accounting for the treatment and preventive work of a dentist"</p>
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### 3. The place of discipline in the structure of educational programs

The discipline belongs to the part formed by the participants of educational relations of Block 1 of the Federal State Educational Standard of Higher Education in the specialty 31.05.03 Dentistry.

Types of tasks of professional activity that underlie the teaching of this discipline:

1. Medical
2. Organizational and managerial
3. Research.

### 4. Scope of discipline

No. p/n	Type of work	Total credit units	Total hours	Semesters	
				9	10
				hours	hours
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>5</b>
1	<b>Contact work of students with teacher (total), including:</b>	-	<b>122</b>	66	56
2	Lectures (L)	-	<b>12</b>	6	6
3	Clinical Practice (PP)	-	<b>110</b>	60	50
4	Seminars (C)		-	-	-
5	Laboratory work (LR)		-	-	-
6	<b>Student Independent Work (SIW)</b>	-	<b>58</b>	42	16
7	<b>Type of intermediate attestations</b>	credit (G)	-	-	-
		exam (E)	-	<b>36</b>	36
8	<b>TOTAL:General laboriousness</b>	hours	<b>216</b>	108	108
		Z	<b>6</b>	<b>3</b>	<b>3</b>



### 5. The content of the discipline

No. p / p	semester number	Module section name	Types of educational activities, including independent work of students (in hours)				Forms of current progress control (by week of the semester)
			L	PL	IWS	Total	
<b>Orthopedic dentistry</b>							
1	9	Prevention of inflammatory periodontal diseases. Medical examination. Symptomatic and pathogenetic treatment of inflammatory periodontal diseases.	0	5	3	8	C, TT, ST
2.	9	Features of orthopedic treatment of inflammatory periodontal diseases.	0	5	3	8	C, TT, ST
3.	9	occlusion disorders. Modern methods of occlusal correction. Prevention of occlusal disorders.	0	5	4	9	C, TT, ST
4	9	Methods of diagnosis and treatment of diseases V.N.Ch.S.	0	5	3	8	C, TT, ST
5.	9	Prosthetics of defects of teeth.	0	5	4	9	C, TT, ST
6.	9	Prevention of intolerance to structural materials of dentures	0	5	3	8	C, TT, ST
			<b>0</b>	<b>30</b>	<b>20</b>	<b>50</b>	C, TT, ST
<b>Surgical dentistry</b>							
1	9	Odontogenic inflammatory diseases. Features of diagnosis and treatment.	0	5	3	8	C, TT, ST
2.	9	Complications of odontogenic inflammatory processes of the face and neck.	2	5	4	11	C, TT, ST
3.	9	Tooth-preserving operations. Indications and contraindications. Technique of surgical intervention.	0	5	4	9	C, TT, ST
4.	9	Inflammatory diseases of the salivary glands. Differential diagnosis. Treatment.	2	5	4	11	C, TT, ST
5.	9	Classification of non-gunshot facial injuries. Statistics. Methods of examination of patients with facial trauma. Non-gunshot injuries of the soft tissues of the face. Clinic, diagnosis, treatment. Features of primary surgical treatment of facial soft tissue wounds. Dislocations of teeth. Fractures of teeth. Fracture of the alveolar process. Dislocation of the lower jaw. Classification, clinic, diagnosis, treatment	0	5	3	8	C, TT, ST
6.	9	Diagnosis and emergency care for cardiovascular and acute respiratory failure, shocks of various etiologies, septic conditions, allergic reactions, disorders of consciousness and epileptoid conditions. Resuscitation in outpatient dental practice.	2	5	4	11	C, TT, ST

			<b>6</b>	<b>30</b>	<b>22</b>	<b>58</b>	C, TT, ST
		<b>Therapeutic dentistry</b>					C, TT, ST
1.	10	Organization of dental care to the population. The structure of the dental service. Resource support of the dental service. Organization of work of structural divisions. Sanitary and hygienic standards in dentistry. Communication with patients. Psychodiagnostics and psychocorrection of the patient's emotional state at a dental appointment. Patient motivation for dental treatment. Deontology.	0	5	2	7	C, TT, ST
2.	10	The main methods of examination of teeth, dentition, periodontal and oral mucosa. Additional research methods. Functional and laboratory research methods. Drawing up a treatment plan.	0	5	2	7	C, TT, ST
3.	10	Prevention of dental diseases in children. Treatment of dental caries and its complications at different stages of development. Features of the course and treatment of dental caries in children of different age groups.	2	5	1	8	C, TT, ST
4.	10	Hereditary and congenital malformations of hard dental tissues: imperfect amelo- and dentinogenesis, hypoplasia, fluorosis. Clinic, differential diagnostics.	0	6	2	8	C, TT, ST
5.	10	Diagnosis and treatment of diseases and anomalies of the oral mucosa in children. Diagnosis of features of prevention and treatment of occlusal disorders. Features of the course and treatment of odontogenic inflammatory processes in children	0	6	2	8	C, TT, ST
6.	10	Diagnosis and emergency care for cardiovascular and acute respiratory failure, shocks of various etiologies, septic conditions, allergic reactions, disorders of consciousness and epileptoid conditions. Resuscitation in outpatient dental practice. Medicines and equipment needed for emergency care. Medical, legal and social aspects of emergency care.	2	6	2	10	C, TT, ST
7.	10	Methods of communal and individual prevention of caries. Modern technologies for the diagnosis and treatment of caries and other diseases of hard dental tissues, increased abrasion, erosion and wedge-shaped defects of teeth.	0	5	1	6	C, TT, ST
8.	10	Stomatitis and related lesions, other diseases of the lips and oral mucosa, diseases of the tongue. differential	0	6	2	8	C, TT, ST

		diagnosis and treatment. Precancerous diseases of the oral mucosa and cancer alertness.					
9.	10	Pulpitis, periodontitis - modern methods of endodontic treatment. Criteria for the quality of endodontic treatment. Re-endodontic treatment. Mistakes and complications in endodontics. Restoration of teeth after endodontic treatment. Principles of odontopreparation, restoration of hard tooth tissues with modern materials.	2	6	2	10	C, TT, ST
			<b>6</b>	<b>50</b>	<b>16</b>	<b>72</b>	
<b>Total</b>			<b>12</b>	<b>110</b>	<b>58</b>	<b>180</b>	

**Note:** C - colloquium, TT - test tasks, ST - situational tasks

**6. The list of educational and methodological support for independent work of students in the discipline**

No./n	semester number	Name of educational and methodical development
1	9	Clinical dentistry. Guidelines for practical exercises for students of the 5th year of the 9th semester. Dzgoeva M.G., Khetagurov S.K., Kanukova L.S.
2	9	Workshop for practical classes in prosthetic dentistry for students of the Faculty of Dentistry. Dzgoeva M.G., Khetagurov S.K.
3	9	Guidelines for students for self-training in the discipline "Clinical Dentistry". Dzgoeva M.G., Khetagurov S.K., Kanukova L.S.
4	9	Educational and methodological recommendations "CHF: DISEASES OF THE HEAD AND NECK" for students of the Faculty of Dentistry for out-of-class CRS. Authors: Toboev G.V., Bazaeva S.M. Vladikavkaz, 2016
5	10	Clinical dentistry. Methodological recommendations for practical exercises for students of the 5th year of the 10th semester. Remizova A.A., Sotieva Z.K. – 2020
6	10	Collection of assignments for independent extracurricular work of students in the discipline "Clinical Dentistry". Remizova A.A., Sotieva Z.K. - 2020

**7. Fund of assessment tools for conducting intermediate certification of students in the discipline**

No./n	List of competencies	No. semester	Indicator(s) evaluation	Evaluation criterion(s)	Evaluation scale	Name FOS
1	2	3	4	5	6	7
1	UC-1 UC-3 UC-6 GPC-1 GPC -2 GPC -5 GPC -6 GPC -9 GPC -12 GPC -13 GPC -11 PC-1 PC-2 PC-3 PC-4 PC-5 PC-6	9, 10	see the standard for assessing the quality of education, approved. By order of the Federal State Budgetary Educational Institution of Higher Education SOGMA of the Ministry of Health of Russia dated July 10, 2018, No. 264 / o	see the standard for assessing the quality of education, approved. By order of the Federal State Budgetary Educational Institution of Higher Education SOGMA of the Ministry of Health of Russia dated July 10, 2018, No. 264 / o	see the standard for assessing the quality of education, approved. By order of the Federal State Budgetary Educational Institution of Higher Education SOGMA of the Ministry of Health of Russia dated July 10, 2018, No. 264 / o	Test tasks; Control tasks; Exam tickets

## 8. List of basic and additional educational literature necessary for mastering the discipline

### Main literature

P/ No.	Name	The authors)	Year, place of publication	Number of copies	
				in library	at the department
1	2	3	4	5	6
1	Therapeutic dentistry: textbook	ed. E.V. Borovsky	M.: MIA, 2004 2006 2007 2009	8 4 1 1	
2.	Dental instrumentation: atlas	Bazikyan E. A.	M. : GEOTAR-Media, 2015, 2017	1	"Student Advisor" <a href="http://www.studmedlib.ru/book/ISBN9785970440490.html">http://www.studmedlib.ru/book/ISBN9785970440490.html</a>
3.	Practical therapeutic dentistry: textbook. allowance	Nikolaev A.I., Tsepov L.M.	M.: MEDpress-inform, 2010 2013 2014	3 8 27	
4.	Therapeutic dentistry. P 1. Diseases of the teeth: a textbook	ed. E. A. Volkov	M.: GEOTAR-Media, 2013 2015	102	"Student Advisor" <a href="http://www.studmedlib.ru/book/ISBN9785970433393.html">http://www.studmedlib.ru/book/ISBN9785970433393.html</a>
5.	Therapeutic dentistry: textbook. Part 2. Periodontal disease	ed. G.M. barer	M. : GEOTAR-Media, 2009, 2015	98	1 "Student Advisor" <a href="http://www.studmedlib.ru/book/ISBN9785970434598.html">http://www.studmedlib.ru/book/ISBN9785970434598.html</a>
6.	Therapeutic dentistry: textbook. Part 3. Diseases of the oral mucosa	ed. G.M. barer	M. : GEOTAR-Media, 2010, 2015	99	"Student Advisor" <a href="http://www.studmedlib.ru/book/ISBN9785970434604.html">http://www.studmedlib.ru/book/ISBN9785970434604.html</a>
7.	Orthopedic dentistry: textbook	ed. I. Yu. Lebedenko.	M. : GEOTAR-Media, 2011, 2012	36 copies	"Student Advisor" <a href="http://www.studmedlib.ru/book/ISBN9785970420881.html">http://www.studmedlib.ru/book/ISBN9785970420881.html</a>
8.	Orthopedic dentistry: textbook.	N.G. Abolmasov and others	M. : MEDpress-inform, 2007, 2008, 2009, 2011	51 copies	
9.	Safe anesthesia in dentistry	S. A. Rabinovich [i dr.].	M. : GEOTAR-Media, 2018	3	"Student Advisor" <a href="http://www.studmedlib.ru/book/ISBN9785970444788.html">http://www.studmedlib.ru/book/ISBN9785970444788.html</a>
10.	Operative maxillofacial surgery and dentistry: textbook. allowance	ed. V. A. Kozlov	M.: GEOTAR-Media, 2014	30	

11.	Surgical dentistry: textbook	ed. T. G. Robustova	M.: Medicine, 2011.	60	
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### additional literature

P/ No.	Name	The authors)	Year, place of publication	Number of copies	
				in library	at the department
1	2	3	4	5	6
1.	Emergency care in dentistry	Bichun A. B.	M. : GEOTAR-Media, 2014	3	
2.	Therapeutic dentistry: national guidelines	ed. L.A. Dmitrieva	M.: GEOTAR-Media, 2009 2015	1 1	
3.	Dentistry. International classification of diseases. Clinical characteristics of nosological forms: textbook. allowance	Alimova M. Ya. and others.	M. : GEOTAR-Media, 2016	"Student Advisor" <a href="http://www.studmedlib.ru/book/ISBN9785970436691.html">http://www.studmedlib.ru/book/ISBN9785970436691.html</a>	
4.	Oral hygiene: study guide	Ed. A. A. Remizova	Moscow : GEOTAR-Media, 2021	100	
5.	Diseases of the mucous membrane of the mouth and lips: textbook. allowance	L. A. Tsvetkova-Aksamit [i dr.].	M. : MEDpress-inform, 2014	1	
6.	Propaedeutic dentistry: textbook	ed. E. A. Bazikyan	M.: GEOTAR-Media, 2008, 2010	92	"Student Advisor" <a href="http://www.studmedlib.ru/book/ISBN9785970414804.html">http://www.studmedlib.ru/book/ISBN9785970414804.html</a>
7.	Orthopedic Dentistry: National Guidelines	ed. I. Yu. Lebedenko	M. : GEOTAR-Media, 2016	2	-
8.	Orthopedic treatment of pathological abrasion, dentoalveolar anomalies and secondary deformities of the dentition: method. recommendations for practical training in orthopedic dentistry.	M. G. Dzgoeva, S.K. Khetagurov and others.	Vladikavkaz, 2011	88	-
9.	Orthopedic treatment of pathology of hard tissues of teeth: textbook.-method. prosthetic dentistry manual	M. G. Dzgoeva, S.K. Khetagurov and others.	Vladikavkaz, 2010	68 copies	10
10.	Periodontal diseases. A modern view on clinical diagnostic and therapeutic aspects	Ed. O. O. Yanushevich	M. : GEOTAR-Media, 2010	3	"Student Advisor" <a href="http://www.studmedlib.ru/book/ISBN9785970410370.html">http://www.studmedlib.ru/book/ISBN9785970410370.html</a>
11.	Local anesthesia in the outpatient practice of a dentist: a textbook	Kozlova M.V.	Moscow : GEOTAR-Media, 2021	5	"Student Advisor" <a href="http://www.studmedlib.ru/book/ISBN9785970458945.html">http://www.studmedlib.ru/book/ISBN9785970458945.html</a>

12.	Craniofacial Surgery in 3D: Atlas	Belchenko V.A. and etc..	M. : GEOTAR-Media, 2010	"Student Advisor" <a href="http://www.studmedlib.ru/book/ISBN9785970416921.html">http://www.studmedlib.ru/book/ISBN9785970416921.html</a>	
13.	Surgical dentistry and maxillofacial surgery. Thematic tests: textbook. allowance: in 2 hours, Part 2	editor: A.M. Panin, V. V. Afanasiev	M. : GEOTAR-Media, 2009	1	"Student Advisor" <a href="http://www.studmedlib.ru/book/ISBN9785970412466.html">http://www.studmedlib.ru/book/ISBN9785970412466.html</a>
14.	Therapeutic dentistry. Cariesology and diseases of hard tissues of teeth. Endodontics: a guide to practical exercises: textbook. allowance	Maksimovsky Yu. M., Mitronin A.V.	GEOTAR-Media, 2016	4	"Student Advisor" <a href="http://www.studmedlib.ru/book/ISBN9785970435892.html">http://www.studmedlib.ru/book/ISBN9785970435892.html</a>
15.	Local anesthesia in dentistry: textbook. allowance	Ed. E. A. Bazikyan.	M. : GEOTAR-Media, 2014 2016	34 8	
16.	Features of dental care for patients with pathology of the blood system.	Shinkevich D.S.	Moscow : GEOTAR-Media, 2021	1	
17.	Dictionary-reference book of medical dental terms and concepts	Ed. I. M. Rasulova.	M. : Pero, 2019	1	
18.	Radiation diagnostics in dentistry: national guidelines	Ed. A. Yu. Vasilyeva	M. : GEOTAR-Media, 2010	1	



*В. Логмача*

**9 The list of resources of the information and telecommunication network "Internet", necessary for the development of the discipline**

No .p/ n	Resource name	Website address
1	ModernLib - electronic library,	<a href="http://modernlib.ru">http://modernlib.ru</a>
2	Russian Dental Portal.	<a href="http://www.stom.ru">www.stom.ru</a>
3	Electronic books on dentistry.	<a href="http://www.web-4-u.ru/stomatinfo">www.web-4-u.ru/stomatinfo</a>
4	Aesthetic restorations of teeth.	<a href="http://www.esthetics.ru">www.esthetics.ru</a>
5	Medical literature on dentistry.	<a href="http://www.mmbook.ru">www.mmbook.ru</a>
6	Information dental resource.	<a href="http://denta-info.ru">denta-info.ru</a>
7	Information resource for students of medical universities	<a href="http://www.studmedlib.ru">www.studmedlib.ru</a>
8	Federal Electronic Medical Library (FEMB)	<a href="http://feml.scsm1.rssi.ru/feml">feml.scsm1.rssi.ru/feml</a>

## **10. Guidelines for students on mastering the discipline**

Training consists of contact work (122 hours), including a lecture course (12 hours) and practical classes (110 hours) and independent work (58 hours). The main study time is allocated for practical work on the assimilation of theoretical knowledge, the acquisition of practical skills and abilities.

When studying an academic discipline, it is necessary to use the entire resource of basic and additional educational literature, lecture material, visual aids and demonstration material and master the practical skills acquired in the course of working with demonstration visual aids, working with patients and solving situational problems.

Practical classes are conducted in the form of preclinical and clinical practice. Preclinical practice is carried out in classrooms with the use of video and photographic materials, situational tasks are solved. Then the analysis of clinical patients is carried out.

In accordance with the requirements of the Federal State Educational Standard of Higher Education, interactive forms of conducting classes are widely used in the educational process (developmental and problem-based learning in the form of role-playing games, mastering practical skills on phantoms, analysis of a specific situation, discussion during a theoretical analysis of a topic, multimedia training). The proportion of classes conducted in interactive forms is at least 10% of classroom classes.

Independent work of students implies preparation for seminars and practical classes and includes: work with visual materials, educational basic and additional literature, Internet resources, writing a case history, an essay.

Work with educational literature is considered as a type of educational work in the specialty "Dentistry" and is performed within the hours allotted for its study (in the IWS section).

Each student is provided with access to the library funds of the Academy and the department.

Methodological recommendations for students and methodological instructions for teachers have been developed for each section of the academic discipline.

During the study of the discipline, they independently conduct an examination of patients, draw up a medical history and submit an abstract.

Writing an essay contributes to the formation of skills in working with educational literature, the systematization of knowledge and contributes to the formation of general cultural and professional skills.

Writing an educational medical history forms the ability to analyze medical problems, contributes to mastering the culture of thinking, the ability to correctly formulate its results in writing, the formation of a systematic approach to the analysis of medical information, and the perception of innovations.

The work of a student in a group forms a sense of collectivism and sociability.

Teaching students contributes to the development of their communication skills with the patient, taking into account the ethical and deontological characteristics of pathology and patients. Independent work with patients contributes to the formation of professional behavior, responsibility, accuracy, discipline.

The initial level of knowledge of students is determined by testing, the current control of mastering the subject is determined by an oral survey during classes, during clinical reviews, when solving typical situational problems and answering test tasks.

## **11. List of information technologies used in the implementation of the educational process in the discipline**

1. Microsoft office
2. Microsoft PowerPoint
3. TestOfficePro testing software
4. Internet Explorer

## **12. Description of the material and technical base necessary for the implementation**

**Department of Dentistry No. 1** is located on the basis of the SOGMA dental clinic (Kirov St., 66). The total area used by the department for the educational process is 61 sq. m2.



Part of the classes is held in the educational building No. 2 on the territory of the Federal State Budgetary Educational Institution of Higher Education SOGMA, in classrooms allocated for this purpose.

The department has three rooms:

- an orthopedic room equipped with a dental unit, combined with the office of the head of the department (9 sq. m<sup>2</sup>), where classes are also held with students,
- one phantom class for 5 phantoms and 8 computers (32 sq. m<sup>2</sup>),
- an orthopedic room for 3 dental units (20 sq.m<sup>2</sup>), which also holds practical classes for students.

**Department of Dentistry No. 2** located on the basis of the SOGMA dental clinic (Kirova st., 66) and in the educational building No. 2 on the territory of the FSBEI HE SOGMA (Pushkinskaya st., 40)

**Department of Dentistry No. 3** is located on the basis of the SOGMA dental clinic (Kirov St., 66). The total area used by the department for the educational process is 283 m<sup>2</sup>.

The department has: phantom class (57 sq. m<sup>2</sup>),

educational and treatment room No. 13 - 18.4 m<sup>2</sup> (one installation);

educational and treatment room No. 14 joint. with a training room - 21.6 m<sup>2</sup>. (one installation);

educational and treatment room No. 15 joint. with a study room -81 m<sup>2</sup>. (four settings);

educational and treatment room No. 25 joint. with a training room (three installations) -26.2 m<sup>2</sup>;

educational and treatment room No. 26 together with the office of the head of the department 31 m<sup>2</sup>(two installations);

educational and methodical room No. 17 (10 m<sup>2</sup>) ;

assistant - 9 m<sup>2</sup>.

(Corridor 2nd floor - 15.3 m<sup>2</sup>. Corridor 3rd floor - 14.3 m<sup>2</sup>)

Part of the classes is held in the educational building No. 2 on the territory of the Federal State Budgetary Educational Institution of Higher Education SOGMA, in classrooms allocated for this purpose.

### Department of Dentistry №1

No./P	equipment identification	Quantity	Technical condition
1	2	3	4
<b>Special equipment</b>			
1	notebook	1	Good
2	projector	1	Good
3	camera	1	Good
3	PC	6	Good
4	Dental units	3	Good
<b>phantoms</b>			
1	Dental phantoms	5	satisfactory
<b>dummies</b>			
1	Preparation jaws	20	satisfactory

**Department of Dentistry №2**

No. / P	equipment identification	Quantity	Technical condition
1	2	3	4
<b>Special equipment</b>			
1.	Multimedia complex (laptop, projector, screen)	1	Good
2.	dental unit	1	Satisfactory
<b>dummies</b>			
3.	Jaw models	2	Satisfactory
4.	Scull	1	Satisfactory

**Department of Dentistry №3**

No./ P	equipment identification	Quantity	Technical condition
1	2	3	4
<b>Special equipment</b>			
1	notebook	1	good
2	projector	1	good
3	PC	3	good
4	Dental units	12	good
<b>phantoms</b>			
1	Dental phantom units	15	satisfactory
<b>dummies</b>			
1	Preparation jaws	12	satisfactory

**13. Conducting educational activities using e-learning and distance learning technologies**

In the context of the introduction of restrictive measures (quarantine) associated with an unfavorable epidemiological situation, the threat of the spread of a new coronavirus infection and other force majeure events that do not allow training sessions in full-time mode, it is possible to study this discipline or part of it using e-learning and distance learning technologies.

Teaching discipline in the situations described above will be carried out through the development of an electronic course with access to video lectures and interactive course materials: presentations, articles, additional materials, tests and various tasks. When conducting training sessions, current monitoring of progress, as well as intermediate certification of students, the platforms of the electronic information and educational environment of the academy and / or other e-learning systems recommended for use in the academy, such as Moodle, Zoom, Webinar, etc., can be used.

Lectures can be presented in the form of audio, video files, "live lectures", etc.

Conducting seminars and practical classes is possible on-line in both synchronous and asynchronous modes. Seminars can be held in the form of web-conferences.