

**Summary to the work program of the discipline
"Orthodontics and pediatric prosthetics"**

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

31.05.03 Dentistry

Department: Orthopedic dentistry and Orthodontics

1. The purpose of mastering the discipline (participation in the formation of competencies: OC - 1, GPC - 6, GPC - 11, PC - 1, PC - 2, PC - 5, PC - 6, PC - 8.

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

2.1. The discipline refers to the core part (*or the part formed by the participants of educational relations*) of Block 1 of GEP HE, elective disciplines, additional disciplines.

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 competence acquisition metric	As a result of mastering the discipline, the students should:		
				know	be able to	possess
1	OC - 1	Ability for abstract thinking, analysis and synthesis	ID-1oc-1.1Drawing up a clear picture of the pathogenesis of the formation of anomalies of the dentition ID-2oc-1.2Visualization and reproduction of changes in the structure of the dentition during and as a result of the treatment	Methods of analysis and synthesis of information	Think abstractly, analyze and synthesize information	Abstract thinking, analysis and synthesis of the received information
2	GPC - 6	Willingness to maintain medical records	ID-1GPC-6Conscious filling of medical records, clear implementation of the norms and rules of records based on existing standards	Rules for maintaining medical records	Maintain medical records	Medical record keeping skills
3	GPC - 11	Readiness for the use of medical	ID-1GPC-11 Rationale for the choice of medical	Features of the use of medical	Use medical devices provided for	The technique of using medical

		devices provided for by the procedures for providing medical care to patients with dental diseases	instruments for planned dental procedures ID-2GPC-11Drawing up a sequence of application of medical devices for medical care for patients with dental diseases	devices provided for by the procedures for providing medical care to patients with dental diseases.	by the procedures for providing medical care to patients with dental diseases	devices provided for by the procedures for providing medical care to patients with dental diseases
4	PC - 1	The ability and readiness to implement a set of measures aimed at maintaining and strengthening health and including the formation of a healthy lifestyle, prevention of the occurrence and (or) spread of dental diseases, their early diagnosis, identification of the causes and conditions for their occurrence and development, as well as aimed at elimination of the harmful effects of environmental factors on human health.	ID-1PC-1 Planning and putting into action a set of measures aimed at maintaining and strengthening health. ID-2PC-1 Selection and justification of ways to maintain a healthy lifestyle, prevent the occurrence and (or) spread of dental diseases	A set of measures aimed at maintaining and strengthening health and including the formation of a healthy lifestyle, prevention of the occurrence and (or) spread of dental diseases.	To carry out a set of measures aimed at maintaining and strengthening health and including the formation of a healthy lifestyle, prevention of the occurrence and (or) spread of dental diseases.	A set of measures aimed at maintaining and strengthening health and including the formation of a healthy lifestyle, prevention of the occurrence and (or) spread of dental diseases.
5	PC-2	The ability	ID-1PC-2 Drawing	Prevention	Conduct	Methods of

		and readiness to conduct preventive medical examinations, medical examinations and the implementation of dispensary observation of patients with dental pathology.	up a set of preventive measures to prevent the formation of anomalies of the dentition ID-2 ^{PC-2} Drawing up a plan for dispensary observation of the patient until the end of the retention period	and medical examination of patients with malocclusion	prophylaxis and medical examination of patients with malocclusion	preventive examinations and clinical examination of patients with malocclusion
6	PC-5	The ability to collect and analyze the patient's complaints, his medical history, examination results, laboratory, instrumental, patho-anatomical and other studies in order to recognize the condition or establish the presence or absence of a dental disease.	ID-1 ^{PC-5} Planning a clinically based examination of a patient with malocclusion, the appointment of research methods to eliminate errors in the diagnosis	Rules and sequence of examination of a patient with anomalies of the dentition.	Collect and analyze the patient's complaints, his medical history, examination results and additional research methods to establish the fact of the presence or absence of anomalies of the dentoalveolar system	Techniques for examining a patient to recognize a condition or establish the fact of the presence or absence of anomalies of the dentoalveolar system.
7	PC-6	The ability to determine the main pathological conditions, symptoms, syndromes of dental diseases, nosological forms in patients in accordance with the International	ID-1 ^{PC-6} Rationale for the definition in patients with major pathological conditions, symptoms, syndromes of dental diseases, nosological forms in accordance with the International Statistical	International Statistical Classification of Diseases	Apply the International Statistical Classification of Diseases	The method for determining the main pathological conditions, syndromes in patients in accordance with the International Statistical Classification of Diseases

		Statistical Classification of Diseases and Related Health Problems.	Classification of Diseases ID-2PC-6Determination of the main diagnosis, its complications and concomitant pathology in patients with anomalies of the dentition			
8	PC-8	The ability to determine the tactics of managing patients with various dental diseases.	ID-1PC-8Rationale for the choice of tactics for the treatment of patients with anomalies of the dentoalveolar system ID-2PC-8Vision of options for changing treatment tactics in the absence of positive dynamics from classical treatment options	Tactics of managing patients with anomalies of the dentoalveolar system	Determine the tactics of managing patients with anomalies of the dentoalveolar system	Tactics of managing patients with anomalies of the dentoalveolar system

4. Volume of the academic discipline and types of academic work

Total labor intensity of the discipline is ____ CU (____AH)

Type of educational work	Labor intensity		Labor intensity by semesters (AH)		
	volume in credit units (CU)	volume in academic hours (AH)	8	9	
Classroom work, including	2.4	86	32	54	
Lectures (L)	0.6	22	6	16	
Laboratory practicum(LP)					
Practicals (P)					
Clinical Practice (CPP)	1.8	64	26	38	
Seminars (S)					
Students Individual Work (SIW)	1.6	58	22	36	
Student research work					
Intermediate certification					
Credit/exam (specify the type)	1	36		exam	
TOTAL LABOR INTENSITY	5	180			

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

№	Competence code	Section name of the disciplines	The content of the section in didactic units
1	OC-1, GPC - 6 PC-1, PC-5, PC-6	Examination of a patient with anomalies of the dentition	Classification of anomalies of the dentoalveolar system. Basic and additional methods of examination of patients with anomalies of the dentoalveolar system.
2	OC-1, GPC-11, PC-1	Devices used in the treatment of anomalies	Classification of orthodontic appliances. Devices of mechanical, functional and combined action. Therapeutic, prophylactic and retention devices. The design of devices, indications for their use, manufacturing steps and methods of activation.
3	OC-1, GPC-6, GPC-11, PC-1, PC-2, PC-6, PC-8.	Anomalies and deformities of the dentition	Etiology, pathogenesis, clinic, diagnosis and treatment of anomalies of jaw exchanges, anomalies of the position of the jaws in the skull, anomalies in the ratio of dental arches, anomalies of the dentition and anomalies of individual teeth. Prevention of anomalies of the dentition. Congenital pathology of development and dental prosthetics in children.