

Summary of the working program of the academic discipline
**«HISTOLOGY, EMBRYOLOGY, CYTOLOGY - HISTOLOGY OF THE
 ORAL CAVITY»**
 (name of the academic discipline)

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

31.05.03 Dentistry

Department: **HISTOLOGY WITH CYTOLOGY AND EMBRYOLOGY**

1. The purpose of mastering the discipline (*participation in the formation of relevant competencies – specify the codes*):

- Able to identify and implement the priorities of their own activities and ways to improve them based on self-assessment and lifelong learning (UC-6);
- Able to implement and realize monitoring the effectiveness of the patient's medical rehabilitation including in the implementation of individual rehabilitation and habilitation programs for the disabled people, assess the patient's ability to carry out work activities (GPC -8 - Able to implement the principles of quality management in the professional activity (GPC -9)

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

2.1. The discipline “**Histology, embryology, cytology - histology of the oral cavity**” refers to the core part of Block 1 of GEP HE (B1.C.15).

The discipline is taught in 2-3 semester/1-2 year of study.

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-6	Able to identify and implement the priorities of their own activities and ways to improve them based on self-assessment and lifelong learning	IC-1 UC 6.1 Knows: the importance of planning long-term goals of activity taking into account conditions, means, personal opportunities, stages of career growth, time perspective of development of activity and requirements of the labor market; technology and methodology of self-assessment; basic principles of self-education IC-2 UC 6.2 Able to: determine the priorities of professional activity	The importance of planning learning goals taking into account the conditions, means, personal capabilities, time prospects of development in the study of the subject; technology	To determine the priorities of educational activity and ways to improve it on the basis of self-assessment; to monitor and evaluate the components of learning; to plan independent work on the	Skills of planning their own activities for better assimilation of the material and self-development, study of additional educational programs

			and ways to improve it on the basis of self-assessment; control and evaluate the components of professional activity; plan independent activities in solving professional problems IC-3 ^{UC 6.3} Has practical experience in: planning their own professional activities and self-development, studying additional educational programs	and methodology of self-assessment ; basic principles of self-education and self-education	study of the subject	
2.	GPC-8	Able to use basic physico-chemical, mathematical and natural science concepts and methods in solving professional problems	IC-1 ^{GPC 8.1} Knows: basic physico-chemical, mathematical and natural science concepts and methods that are used in medicine IC-2 ^{GPC 8.2} Is able to: interpret the data of the basic physico-chemical, mathematical and natural science research methods in solving professional problems IC-3 ^{GPC 8.3} Has practical experience in the application of basic physico-chemical, mathematical and natural science research methods in solving professional problems	The main physico-chemical and natural science terms and methods used in the study of histology	To interpret the data of the main physico-chemical and natural science research methods when giving a histophysiological assessment of the state of various cellular, tissue and organ structures in humans	The main physico-chemical and scientific methods of research in the interpretation of histological structures on samples and electron micrographs
3.	GPC-9	Able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems	IC1 ^{GPC-9.1} Knows: anatomy, histology, embryology, topographic anatomy, physiology, pathological anatomy and physiology of human organs and systems IC2 ^{GPC 9.2} Able to: evaluate the basic morphological and functional data, physiological conditions and pathological processes in the human body IC2 ^{GPC 9.3} Has practical	Basic laws of development, structure and vital activity of the human body based on the structural and functional organization of cells, tissues and	To work with a light microscope; to give a histophysiological assessment of the state of various cellular, tissue and organ structures in humans; to use educational	The technique of light microscopy of histological preparations; the skills of describing histological preparations and electronic microphotographs.

			experience in: assessment of basic morphological and functional data, physiological conditions and pathological processes in the human body when solving professional problems	organs; methods of histological examination; systemic properties in the relationship of structural elements of the human body; knowledge of basic natural science and, in particular, medical terminology.	and scientific literature, the Internet for professional activities.	
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4. Volume of the academic discipline and types of academic work

Total labor intensity of the discipline is **6,0 CU (216 AH)**

Type of educational work	Labor intensity		Labor intensity (AH) in semesters			
	volume in credit units (CU)	volume in academic hours (AH)	2	3		
Classroom work, including	3,4	108	54	54		
Lectures (L)	1,0	24	12	12		
Laboratory practicum (LP)*						
Practicals (P)	2,4	84	42	42		
Seminars (S)						
Student's individual work (SIW)	1,6	72	36	36		
Mid-term assessment						
credit/exam (<i>specify the type</i>)	1,0	36		36		
TOTAL LABOR INTENSITY	6,0	216	90	126		

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

№	Competence code	Section name of the discipline	The content of the section in teaching units
1.	UC-6 GPC-8 GPC-9	Cytology	Methods and techniques of histological studies.
			Cells. Intercellular substance.
			The structure of the cytoplasm. The nucleus. Cell reproduction
2.	UC-6 GPC-8 GPC-9	Human Embryology	Basis of human embryology
1-2	UC-6 GPC-8 GPC-9	Cytology and embryology	Current monitoring

3.	UC-6 GPC-8 GPC-9	General histology	Epithelial tissue
			Connective tissues
			Muscle tissue
			Nervous tissue
			<i>Current monitoring</i>
4.	UC-6 GPC-8 GPC-9	Special histology	Nervous system
			Sense organs
			Cardiovascular system
			Integumentary system
			Respiratory system
			Hematopoietic and lymphatic organs
			Endocrine system
			<i>Current monitoring</i>
			Digestive system
			Urinary system and Reproductive system
			Fetal membranes and provisional organs
			<i>Current monitoring</i>