

**SYLLABUS**  
**of the discipline "Pediatric Dental Surgery" (4 COURSE)**  
**OK 28.3**

<b>1. General information</b>	
<b>Name of faculty</b>	Dentistry
<b>Educational program</b> (branch, specialty, level of higher education, form of education)	Field of knowledge 22 «Health care» Specialty 221 «Dentistry» second (master`s) level of higher education, full-time
<b>Academic year</b>	2023/2024
<b>Name of discipline</b> , code (e-mail address on the website of Danylo Halytskyi LNMU)	Pediatric Dental Surgery (Kaf_peddentistry@meduniv.lviv.ua)
<b>Department</b> (name, address, phone number, e-mail)	Pediatric Dentistry Lviv, Pekarska str 69v Tel. +38(032)276-32-41 Kaf_peddentistry@meduniv.lviv.ua
<b>Chief of department</b> (e-mail)	Oleksandr V. Kolesnichenko, PhD, Associate professor doctoralex1963@gmail.com
<b>Year of study</b>	Fourth
<b>Semester</b>	VIII
<b>Type of discipline/ module</b>	Mandatory
<b>Teachers</b> (names, surnames, scientific degrees and titles of teachers who teach the discipline, e-mail)	Mykola B. Fur, PhD, Associate professor Olga B. Hrynyshyn, PhD, Associate professor.
<b>Erasmus</b> yes/no (discipline availability for students within the Erasmus program)	Yes
<b>Person responsible</b> for syllabus (e-mail)	Mykola B. Fur, PhD Kaf_peddentistry@meduniv.lviv.ua
<b>Number of credits ECTS</b>	3
<b>Number of hours</b> (lectures/practical classes/individual work of student)	90 Practical classes – 38 Individual work – 46
<b>Language of studying</b>	English
<b>Information for consultation</b>	Consultations are held according to the schedule Place - Department of Pediatric Dentistry Time - 16 <sup>00</sup>
Address, telephone and schedule of clinical base	Lviv, Pekarska str 69v Tel. +38(032)276-32-41
<b>2. Short annotation to the discipline</b>	
<p><b>Pediatric Dental Surgery</b> is an educational discipline that enables students to master certain dental manipulations on phantoms, which are used in the clinic when removing temporary and permanent teeth, treating periostitis of the jaws from temporary and permanent teeth. Students will use the special (professional) competences acquired in this way in the process of working directly with patients. On skull phantoms, students master the technique of extraoral and intraoral anesthesia, and also practice the skills of typical and atypical removal of temporary and permanent teeth, perform suturing of a tooth hole after its removal in case of bleeding. On models of the jaws, the technique of dissection of submaxillary abscesses localized on the cellular process and the palate is mastered.</p>	
<b>3. Purpose and objectives of the discipline</b>	
<p><b>1. The purpose</b> of studying the discipline "Pediatric Dental surgery" is mastering on phantoms the technique of performing dental manipulations used in the clinic in the treatment of congenital and acquired diseases of the maxillofacial region in children (traumatic injuries, tumors, congenital malformations).</p> <p><b>2. The main tasks</b> of studying the discipline " Pediatric Dental surgery " are: teaching students the features of diagnosis, clinical manifestations, treatment and prevention of tumors and tumor- like formations of the maxillofacial region, traumatic injuries of soft tissues, teeth and jaws, congenital nonunion of the lips and palate in children, abnormal frenulum of the lips and tongue and prepare a doctor completion of internship to work in treatment and prevention dental institutions of different levels.</p>	

**Competences and learning outcomes**, the formation of which is facilitated by the discipline *general*:

GC 1. Ability to abstract thinking, analysis and synthesis

GC 2. Knowledge and understanding of the subject area and understanding of the profession.

GC 3. Ability to apply knowledge in practical situations.

GC 4. Ability to communicate in the state language both orally and in writing.

GC 5. Ability to communicate in English.

GC 6. Skills in the use of information and communication technologies.

GC 7. Ability to search, process and analyze information from various sources.

GC 8. Ability to adapt and act in a new situation; ability to work autonomously.

GC 9. Ability to identify, pose and solve problems.

GC 11. Ability to work in a team.

GC 12. The desire to preserve the environment

GC 13. Ability to act socially responsible and civic conscious.

GC 14. The ability to realize one's rights and responsibilities as a member of society, to realize the values of a civil (free democratic) society and the need for its sustainable development, the rule of law, the rights and freedoms of a person and a citizen in Ukraine.

*Special (professional, subject):*

PC 1. The ability to collect medical information about the patient and analyze clinical data.

PC 2. Ability to interpret the results of laboratory and instrumental research.

PC 3. Ability to diagnose: determine preliminary, clinical, final, accompanying diagnosis, emergency conditions.

PC 4. Ability to plan and carry out measures for the prevention of diseases of organs and tissues of the oral cavity and maxillofacial region.

PC 5. Ability to design the process of providing medical care: to determine the approaches, plan, types and principles of treatment of diseases of the organs and tissues of the oral cavity and maxillofacial region.

PC 6. The ability to determine a rational regimen of work, rest, and diet in patients in the treatment of diseases of the organs and tissues of the oral cavity and maxillofacial region.

PC 7. The ability to determine the management tactics of patients with diseases of the organs and tissues of the oral cavity and maxillofacial region with concomitant somatic diseases.

PC 8. Ability to perform medical and dental manipulations.

PC 9. The ability to treat the main diseases of the organs and tissues of the oral cavity and maxillofacial region.

PC 10. Ability to organize and carry out medical evacuation measures.

PC 11. Ability to determine tactics, methods and provision of emergency medical assistance.

PC 12. Ability to organize and conduct a screening examination in dentistry.

PC 13. The ability to assess the impact of the environment on the state of health of the population (individual, family, population).

PC 14. Ability to maintain regulatory medical documentation.

PC 15. Processing of state, social and medical information.

PC 16. Ability to organize and carry out rehabilitation measures and care for patients with diseases of the oral cavity and maxillofacial region.

PC 17. The ability to legally support one's own professional activity.

PC 18. The ability to provide pre-medical care according to the protocols of tactical medicine.

#### **4. Prerequisites of the discipline**

**"Pediatric Dental Surgery" as a discipline:**

a) is based on students' previous study of human anatomy; histology, embryology and cytology; medical biology; medical chemistry; biological and bioorganic chemistry; medical physics; microbiology, virology and immunology and integrates with these disciplines;

b) is based on students' study of propaedeutic disciplines of the dental profile: Pediatric therapeutic dentistry, orthodontics and integrates with these disciplines;

c) integrates with the following clinical disciplines: Pediatric therapeutic dentistry, orthodontics;

d) forms an idea about the need to prevent dental diseases.

## 5. Program learning outcomes

### List of learning outcomes

Learning outcome code	Learning outcome code	Learning outcome code
<i>The code is created when filling the syllabus (category: Kn- knowledge; Sk-skills; C-competence; AR-autonomy and responsibility)</i>	<i>Learning outcomes determine that the student must know, understand and be able to perform after graduation. Learning outcomes follow from the set learning goals. To enroll in the discipline, it is necessary to confirm the achievement of each learning outcome</i>	<i>Symbols of the Code of the Program result (PR) of learning outcome the Standard of higher education</i>
Kn-2 Sk-1 C -1, C-2	To isolate and identify clinical symptoms and syndromes according to standard (change in facial configuration, peculiarities of the course of inflammatory processes of the maxillofacial region in children) methods, using the previous data of the patient's history, knowledge about the child, its organs and systems, to establish a probable nosological diagnosis of inflammatory processes of . inflammatory diseases of TMJ and salivary glands in children.	PR-1 PR - 2
Kn – 1 Sk - 1 AR – 1	The ability to interpret the results of laboratory and instrumental research	PR – 3,
Kn – 1 Sk – 1 AR – 1	Ability to diagnose: determine preliminary, clinical, final, accompanying diagnosis; emergency situations	PR – 4 PR - 5
Kn – 2 Sk – 1 C – 1 AR – 1	The ability to plan and implement measures for the prevention of diseases of the organs and tissues of the oral cavity and maxillofacial region in children Analyze the epidemiological situation and carry out mass and individual, general and local drug and non-drug prevention measures for dental diseases.	PR – 6,7
Kn – 1 Sk – 1 AR – 1	Determine the approach, plan, type and principle of treatment: injuries of maxillofacial region (injuries to soft tissues (wounds, burns, frostbite), diseases of the TMJ and large salivary glands; inflammatory processes of maxillofacial region in children	PR- 8
Kn – 1 Kn – 2 Sk – 1 C – 1	Determine the nutritional regime of sick children in the treatment of: injuries of maxillofacial region (soft tissue damage (wounds, burns, frostbite), diseases of the TMJ and large salivary glands; inflammatory processes of maxillofacial region in children	PR – 9
Kn – 1 AR– 1, AR – 2	The ability to determine the management tactics of dental patients with accompanying somatic diseases	PR – 10
Kn – 1 Sk – 1 C – 1 AR – 1, AR – 2	The ability to treat traumatic injuries of the soft tissues of the face in children according to existing algorithms and standard schemes under the supervision of the head physician in the conditions of a medical institution To organize medical and evacuation measures among the population, military personnel, in emergency situations, including martial law, during the expanded stages of medical evacuation, taking into account the existing system of medical evacuation support.	PR – 11, 12
Kn – 1 Kn – 2 Sk – 1	Ability to determine the tactics, methods and provision of emergency medical care to children	PR – 13, 14

AR – 1, AR – 2	Analyze and evaluate government, social and medical information using standard approaches and computer information technologies.	
Kn – 2 Sk – 2	The ability to assess the impact of the environment on the health of the population (individual, family, population) To form goals and determine the structure of personal activity based on the result of the analysis of certain social and personal needs. Follow a healthy lifestyle, use self-regulation and self-control techniques.	PR – 15,16,17
Kn – 1 Sk – 1 AR -1	To be aware of and be guided in one's activities by civil rights, freedoms and duties, to raise the general educational cultural level. To comply with the requirements of ethics, bioethics and deontology in their professional activities. To organize the necessary level of individual safety (own and the persons he cares for) in case of typical dangerous situations in the individual field of activity.	PR — 18,19,20
Kn – 1 Sk – 1 AR -1	The ability to perform medical manipulations based on a preliminary or final diagnosis for children	PR – 21
Kn – 1 Sk – 1 AR - 1	The ability to perform medical dental manipulations based on a preliminary or final diagnosis for children	PR – 22
Kn - 2 Sk -1 C – 1 AR -1, AR – 2	Ability to provide emergency medical care according to tactical medicine protocols	PR – 23

**Kn1** Specialized conceptual knowledge acquired in the process of study and/or professional activity at the level of the latest achievements, which is the basis for original thinking and innovative activity, in particular in the context of research work.

**Kn2** Critical understanding of problems in education and/or professional activity and on the border of subject areas.

**S1** Solving complex tasks and problems that requires updating and integrating knowledge, often in conditions of incomplete/insufficient information and conflicting requirements.

**S2** Conducting research and/or innovative activities.

**C1** Clear and unambiguous presentation of one's own conclusions, as well as the knowledge and explanations that justify them, to specialists and non-specialists, in particular to persons who are studying.

**C2** Use of foreign languages in professional activities.

**AR1** Decision-making in complex and unpredictable conditions, which requires the use of new approaches and forecasting.

**AR2** Responsibility for the development of professional knowledge and practices, assessment of the team's strategic development.

### 6. The form and scope of the discipline

Course format	Presentative	
<b>Type of classes</b>	<b>Number of hours</b>	<b>Number of groups</b>
Lectures	6	1
Practical classes	38	1
Individual work	46	1

### 7. Theme and content of the discipline

<b>Code type classes</b>	<b>Theme</b>	<b>Content of training</b>	<b>Learnig outcome code</b>	<b>Teacher</b>
<b>Practical class (P)-1</b>	Anatomical and physiological features of the development and structure of	1. Determination of the initial level of students'	Kn-2 Sk -1	Mykola B. Fur, PhD,

	tissues and organs of the maxillofacial region in children. Anesthesia for maxillofacial region surgery in children in ambulatory and hospital. Operation of extraction of primary and permanent teeth.	knowledge (oral and test survey). 2. Acquaintance with educational handout 3. Carry out treatment of the patient: - collect anamnesis; - conduct a clinical examination; tract see additional results research methods. - make a diagnosis and draw up treatment scheme of the patient. - draw up the medical card of the dental patient. 3. Control of the level of assimilation knowledge (tests and situational cottages) In the drawing scheme, indicate the innervation and vascularization of the teeth of the upper and lower jaw.	AR -1	Assoc. Prof.  Olga B. Hrynyshyn PhD, Assoc. Prof.
Individual work (Iw) -1	Paint schemes - pictures innervation and vascularization teeth of the upper and lower jaw.		Kn -1 Sk – 1 C – 1, C -2 AR -1	Mykola B. Fur, PhD, Assoc. Prof.  Olga B. Hrynyshyn PhD, Assoc. Prof.
Iw -2	Make a table of indications and contraindications for general anesthesia	Compile a table of indications and contraindications for general anesthesia in polyclinic and hospital conditions .	Kn -1 Sk – 1 C – 1, C -2 AR -1	Mykola B. Fur, PhD, Assoc. Prof.  Olga B. Hrynyshyn PhD, Assoc. Prof.
<b>P-2</b>	Odontogenic and non-odontogenic, acute and chronic periostitis of the jaws. Clinic, diagnostics, differential diagnostics. Surgical treatment. Complications, their treatment and prevention.	1. Definition of initial level of students' knowledge (oral and test survey). 2. Acquaintance with educational handout 3. Diagnose children with inflammatory diseases of maxillofacial region. Interpret the results of studies conducted on children with	Kn -1 Sk – 1 C – 1, C-2 AR -1	Mykola B. Fur, PhD, Assoc. Prof.  Olga B. Hrynyshyn PhD, Assoc. Prof.

		<p>inflammatory processes of maxillofacial region (X-ray, general blood test)</p> <p>4. Draw up a treatment plan for children with inflammatory processes of maxillofacial region. Choose the optimal method operative intervention in depending on the diagnosis, localization of the inflammatory process of maxillofacial region in a child.</p> <p>3. Control of the level of assimilation of knowledge (tests and situational problems)</p> <p>Write prescriptions for local anesthetic drugs for children of different ages.</p>		
Iw – 3	Prescription local anesthetics for children of all ages.		Kn -1, Sk -1 C -1. C -2 AR - 1, AR - 2	Mykola B. Fur, PhD, Assoc. Prof.:  Olga B. Hrynshyn PhD, Assoc. Prof.:
Iw – 4	To chart the differential diagnosis of acute odontogenic inflammatory processes of maxillofacial region in children (periostitis, osteomyelitis, abscesses, phlegmones, lymphadenitis).	Make a table: "Differential diagnosis of odontogenic acute inflammatory processes of maxillofacial region in children".	Kn -1, Sk -1 C -1. C – 2 AR -1, AR - 2	Mykola B. Fur, PhD, Assoc. Prof.:  Olga B. Hrynshyn PhD, Assoc. Prof.:
<b>P-3</b>	Acute odontogenic osteomyelitis of the jaws in children. Acute non-odontogenic osteomyelitis of the jaws in children. Chronic osteomyelitis of the jaws in children.	<p>1. Determination of the initial level assessment of students' knowledge (oral and test survey).</p> <p>2. Acquaintance with educational handout</p> <p>3. Carry out curation of the child: - collect anamnesis; - conduct clinical examination; tract see additional results research methods. - make a diagnosis and draw up treatment plan for the child. - draw up the medical card of the dental patient.</p> <p>3. Control of the level of</p>	Kn-1 Sk-1	Mykola B. Fur, PhD, Assoc. Prof.:  Olga B. Hrynshyn PhD, Assoc. Prof.:

		assimilation knowledge (tests and situationa cottages)		
Iw -5	To chart the differential diagnosis of chronic odontogenic inflammatory processes of maxillofacial region in children (periostitis, osteomyelitis, abscesses, phlegmones, lymphadenitis).	Make a table: "Differential diagnosis of odontogenic chronic inflammatory processes maxillofacial region in children".	Kn -1, Sk -1 C -1. C -2 AR - 1, AR - 2	Mykola B. Fur, PhD, Assoc. Prof.:  Olga B. Hrynshyn PhD, Assoc. Prof.:
<b>P-4</b>	Odontogenic, non-odontogenic abscesses and phlegmones of the maxillofacial region. Classification, clinic and diagnosis depending on the localization of the inflammatory focus. Differential diagnostics. Surgical treatment and its complications. General principles of complex treatment.	1. Determination of the initial level of students' knowledge (oral and test survey). 2. Acquaintance with educational handout 3. Carry out curation of the child: - collect anamnesis; - conduct clinical examination; tract see additional results research methods. - make a diagnosis and draw up treatment plan for the child. - draw up the medical card of the dental patient. 3. Control of the level of assimilation of knowledge (tests and situational problems)	Kn -1	Mykola B. Fur, PhD, Assoc. Prof.  Olga B. Hrynshyn PhD, Assoc. Prof.
Iw-6	Draw a scheme of rational sections in the area of head and neck in the presence of inflammation in the soft tissues.	Draw diagrams of rational dissections of the head and neck in the presence of inflammatory processes in soft tissues.	Kn -1, Sk -1 C -1. C -2 AR -1, AR -2	Mykola B. Fur, PhD, Assoc. Prof.  Olga B. Hrynshyn PhD, Assoc. Prof.
<b>P – 5</b>	Odontogenic inflammatory jaw cysts of primary and permanent teeth. Clinic, diagnostics, differential diagnostics. Methods of treatment.	1. Definition of initial level of students' knowledge (oral and test survey). 2. Acquaintance with educational handout 3. Carry out treatment of the patient: - collect anamnesis; - conduct a clinical examination; tract see additional results research methods. - make a diagnosis and draw up a treatment plan for the child.	Kn -1, Sk -1 C -1. C -2 AR - 1, AR - 2	Mykola B. Fur, PhD, Assoc. Prof.  Olga B. Hrynshyn PhD, Assoc. Prof.

		- draw up the medical card of the dental patient. 3. Control of the level of assimilation knowledge (tests and situational cottages)		
Iw-7	Draw a diagram of operations cystotomy and cystectomy.	Draw a diagram-picture of cytotomy and cystectomy operations. Specify indications for cytotomy and cystectomy operations.	Kn -1	Mykola B. Fur, PhD, Assoc. Prof.  Olga B. Hrynshyn PhD, Assoc. Prof.
<b>P-6</b>	Acute and chronic, odontogenic and non-odontogenic lymphadenitis of the maxillofacial region. Complications and its prevention.	1. Determination of the initial level of students' knowledge (oral and test survey). 2. Acquaintance with educational handout 3. Carry out curation of the child: - collect anamnesis; - conduct clinical examination; tract see additional results research methods. - make a diagnosis and draw up treatment plan for the child. - draw up the medical card of the dental patient. 3. Control of the level of assimilation knowledge (tests and situational cottages)	Kn -1, Sk -1 C -1. C -2 AR - 1, AR - 2	Mykola B. Fur, PhD, Assoc. Prof.  Olga B. Hrynshyn PhD, Assoc. Prof.
Iw -8	Prescription medicines used in the treatment of inflammatory processes of maxillofacial region in children.	Write out prescriptions for medications that are used in the treatment of inflammatory processes of maxillofacial region in children and indicate their pharmacotherapeutic effect.	Kn -1	Mykola B. Fur, PhD, Assoc. Prof.  Olga B. Hrynshyn PhD, Assoc. Prof.
<b>P – 7</b>	Acute diseases of the salivary glands in children: epidemic parotitis, non-epidemic parotitis, calculous and non-calculous submaxillitis. Chronic diseases of the salivary glands in children: parenchymal and interstitial submaxillitis. Clinic, diagnosis, treatment and prevention of diseases of the salivary glands in children.	1. Determination of the initial level of students' knowledge (oral and test survey). 2. Acquaintance with educational handout 3. Carry out curation of the child: - collect anamnesis; - conduct clinical examination; tract	Kn -1, Sk -1 C -1. C – 2 AR - 1, AR - 2	Mykola B. Fur, PhD, Assoc. Prof.  Olga B. Hrynshyn PhD, Assoc. Prof.



		<p>see additional results research methods.</p> <ul style="list-style-type: none"> <li>- make a diagnosis and draw up treatment plan for the child.</li> <li>- draw up the medical card of the dental patient.</li> </ul> <p>3. Control of the level of assimilation knowledge (tests and situational cottages)</p>		
Iw- 9	<p>Draw a diagram of the topographic location of the major salivary glands, the location of their excretory ducts.</p>	<p>Draw a diagram-picture: "The topographic location of the large salivary glands, the location of their excretory ducts and the anatomical structure of each of them."</p>	Kn -1	<p>Mykola B. Fur, PhD, Assoc. Prof.</p> <p>Olga B. Hrynshyn PhD, Assoc. Prof.</p>
<b>P-8</b>	<p>Acute and chronic inflammatory diseases of temporomandibular joint (TMJ) in children. Secondary osteoarthritis, ankylosis. Causes of development, diagnosis, differential diagnosis, clinical course. Principles and stages of surgical and medicamentous treatment. Rehabilitation of such patients.</p>	<p>1. Determination of the initial level of students' knowledge (oral and test survey). 2. Acquaintance with educational handout 3. Carry out curation of the child: - collect anamnesis; - conduct clinical examination; tract see additional results research methods. - make a diagnosis and draw up treatment plan for the child. - draw up the medical card of the dental patient. 3. Control of the level of assimilation knowledge (tests and situational cottages)</p>	<p>Kn -1, Sk -1 C -1. C -2 AR-1, AR -2</p>	<p>Mykola B. Fur, PhD, Assoc. Prof.</p> <p>Olga B. Hrynshyn PhD, Assoc. Prof.</p>
Iw-10	<p>To chart dif. diagnose diseases TMJ with other diseases.</p>	<p>Make a table of differential diagnosis of diseases of the temporomandibular joint with other diseases.</p>	Kn -1	<p>Mykola B. Fur, PhD, Assoc. Prof.</p> <p>Olga B. Hrynshyn PhD, Assoc. Prof.</p>
Iw - 11	<p>To make a table of diagnostic symptoms and treatments of major diseases of joints (arthritis, arthrosis).</p>	<p>Make a table of diagnostic symptoms and methods of treatment of the main diseases of the joint (arthritis, arthrosis).</p>	<p>Kn -1 Sk -1 AR-1</p>	<p>Mykola B. Fur, PhD, Assoc. Prof.</p> <p>Olga B. Hrynshyn</p>

				PhD, Assoc. Prof.
<b>P-9</b>	Traumatic injuries of the soft tissues. Burns and frostbites. Traumatic damage to bones and teeth in children. Clinic, diagnosis, treatment.	Determining the initial level of students' knowledge (oral and test survey). Acquaintance with educational handout. Treat the patient: collect anamnesis; to spend clinical examination; interpret the results studies conducted on patients with traumatic injuries we of the maxillofacial region.	Kn -1	Mykola B. Fur, PhD, Assoc. Prof.:  Olga B. Hrynshyn PhD, Assoc. Prof.:
<b>P-10</b>	Furuncles and carbuncle of the maxillofacial region. Classification, diagnosis, differential diagnosis, treatment. Complications and its prevention. Summary lesson. Differentiated test.	1. Determination of the initial level of students' knowledge (oral and test survey). 2. Acquaintance with educational handout 3. Carry out curation of the child: - collect anamnesis; - conduct clinical examination; tract see additional results research methods. - make a diagnosis and draw up treatment plan for the child. - draw up the medical card of the dental patient. 3. Control of the level of assimilation knowledge (tests and situational cottages)	Kn -1 Sk - 1 C -1 AR -1, AR -2	Mykola B. Fur, PhD, Assoc. Prof.  Olga B. Hrynshyn PhD, Assoc. Prof.
Iw -12	To chart the necessary resuscitation in emergency conditions (anaphylactic shock, collapse, dizziness).	Write a table of resuscitation measures in emergency situations (anaphylactic shock, collapse, dizziness).	Kn -1 Sk -1 C -1	Mykola B. Fur, PhD, Assoc. Prof.  Olga B. Hrynshyn PhD, Assoc. Prof.

### **8. Verification of training results**

#### **Current control**

Current control is carried out during training sessions and is aimed at verification of students' assimilation of educational material.

Assessment of current educational activities. When assessing the mastery of each topics for the current educational activity, the student is given grades on a 4-point (traditional) scale, taking into account the approved evaluation criteria for the relevant discipline. At the same time, all types of work provided by the educational

program are taken into account. The student must receive a grade in each topic. Forms of evaluation of the current educational activity are standardized and include control of theoretical and practical training Exhibition marks on the traditional grading scale at the end of the semester are converted into points.

Current assessment of the student's educational activity at each practical session

they are carried out in accordance with the specific goals of each topic.

The assessment of the current educational activity in the practical lesson consists of:

Assessments of the student's Individual work (Iw) in preparation for the practical session. It is carried out by checking the written performance of the tasks set out in the Workbook to prepare for each topic. The specific weight of the grade for the synopsis with homework is 25% of the total grade for the lesson in points. If the student did not complete the task for the Iw and did not provide the synopsis for review to the teacher, the traditional grade for the class will be 1 point lower.

Assessment of students' level of knowledge, which is carried out by solving 10 test tasks of format A (level - 2) or by evaluating answers to control theoretical questions.

**Grade k"5"** is given for this stage of the lesson if the student correctly answered 81-100% of the test tasks or gave correct, complete answers to the teacher's 3 control questions.

**Grade "4"** is awarded when the student answered 71-80% of the test tasks correctly or gave correct, complete answers to 2 of the teacher's control questions and one incomplete or inaccurate answer to the third.

**Grade "3"** is assigned when the student answered 61-70% of the test tasks correctly or gave the correct answer to one control question of the teacher and two incomplete or inaccurate answers - to two questions.

**Grade "2"** is assigned when the student correctly answered less than 60% of the test tasks, gave the correct answer to only one, or did not answer any of the teacher's control questions.

Assessments of mastering practical skills according to professional algorithms during the main stage of practical training.

It is carried out during the student's development of a practical skill on a phantom or a written explanation of the algorithm for its implementation.

**Grade "5"** is given for this stage of the lesson in the event that the student correctly, in accordance with the professional algorithm, performed the dental manipulation on the phantom provided for the purpose of the practical lesson.

**Grade "4"** is given when the student knows the sequence of actions according to the professional algorithm, performed the dental manipulation on the phantom, provided for the purpose of the practical lesson, with minor errors

**Grade "3"** is awarded when the student does not fully know the professional algorithm for performing one or another manipulation. Mistakes are allowed when dental manipulation is performed on the phantom, provided for by the purpose of practical training.

**Grade "2"** is given when the student does not know the professional algorithm for performing dental manipulation, cannot perform the dental manipulation provided for the purpose of the practical session on the phantom.

<i>Learning outcome code</i>	<i>Code type to borrow</i>	<i>Method of verifying learning outcomes</i>	<i>Enrollment criteria</i>
Kn -1, Kn-1, -1, AR-1	P -1,Iw - 1	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills 3. Evaluation of the student's Individual work	Assessment of students' current performance is carried out at each practical session on a 4-point scale using the approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
Kn-1, Sk -1 C-1, C-2, AR-1	P-2, Iw -2	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills 3. Evaluation of the student's Individual work	Assessment of students' current performance is carried out at each practical session on a 4-point scale using the approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
Kn -1, Sk-1 C-1, C-2,	P-3, Iw - 3	1. Assessment of students'	Assessment of students' current performance

AR-1, AR-2		knowledge level 2. Assessment of mastering of practical skills 3. Evaluation of the student's individual work	is carried out at each practical session on a 4-point scale using the approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
Kn -1, Sk-1 C-1, C-2, AR-1, AR-2	P-4, Iw – 4	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills 3. Evaluation of the student's individual work	Assessment of students' current performance is carried out at each practical session on a 4-point scale using the approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
Kn -1, Sk-1 C-1, C-2, AR-1, AR-2	P-5, Iw -5	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills 3. Evaluation of the student's individual work	Assessment of students' current performance is carried out at each practical session on a 4-point scale using the approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
Kn -1, Sk-1 C-1, C-2, AR-1, AR-2	P-6, Iw -6	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills 3. Evaluation of the student's individual work	Assessment of students' current performance is carried out at each practical session on a 4-point scale using the approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
Kn -1, Sk-1 C-1, C-2, AR-1, AR-2	P-7, Iw-7	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills 3. Evaluation of the student's individual work	Assessment of students' current performance is carried out at each practical session on a 4-point scale using the approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
Kn -1, Sk-1 C-1, C-2, AR-1, AR-2	P-8, Iw -8	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills 3. Evaluation of the student's individual work	Assessment of students' current performance is carried out at each practical session on a 4-point scale using the approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
Kn -1, Sk-1 C-1, C-2, AR-1, AR-2	P-9, Iw-9	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills 3. Evaluation of the student's individual work	Assessment of students' current performance is carried out at each practical session on a 4-point scale using the approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
Kn -1, Sk-1 C-1, C-2, AR-1, AR-2	P-10, Iw -10	1. Assessment of students' knowledge level 2. Assessment of mastering of practical skills 3. Evaluation of the student's individual work	Assessment of students' current performance is carried out at each practical session on a 4-point scale using the approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.

### **9. Final control**

<b>General evaluation system</b>	Participation in work during the semester/credit – 60% - 40%
<b>Rating scales</b>	Traditional 4-point scale, multi-point (200-point) scale, ECTS rating scale

<b>Conditions of admission to the final control</b>	The student attended all practical classes and received at least 72 points for the current academic performance	
<b>Type of final control</b>	<b>Methodology of final control</b>	<b>Enrollment criteria</b>
<b>Credit</b>	All topics submitted for current control must be included. Grades from a 4-point scale are converted into points on a multi-point (200-point) scale in accordance with the Regulation "Criteria, rules and procedures for evaluating the results of students' educational activities"	The maximum number of points is <b>120</b> . The minimum number of points is <b>72</b> .

The **minimum number** of points that a student must score for the current educational activity in order to be admitted to the differential assessment is 72 points.

The **maximum number** of points that a student can score for the current educational activity is 120 points.

The **maximum number of differential** points is 80.

**Differential credit is considered passed if the student has scored at least 50 points.**

**Recalculation of the average grade for the current activity into a multi-point scale for disciplines ending with a**

#### Differential credit

4-point scale	200-point scale	4-point scale	200-point scale	4-point scale	200-point scale	4-point scale	200-point scale
5	120	4.45	107	3.91	94	3.37	81
4.97	119	4.41	106	3.87	93	3.33	80
4.91	118	4.37	105	3.83	92	3.29	79
4.87	117	4.33	104	3.79	91	3.25	78
4.83	116	4.29	103	3.74	90	3.2	77
4.79	115	4.25	102	3.7	89	3.16	76
4.75	114	4.2	101	3.66	88	3.12	75
4.7	113	4.16	100	3.62	87	3.08	74
4.66	112	4.12	99	3.58	86	3.04	73
4.62	111	4.08	98	3.54	85	3	72
4.58	110	4.04	97	3.49	84	< 3	not enough

#### **a. 1. Policy of discipline**

(Indicates academic integrity policies, specific program policies relevant to the course).

The points scored on the current test, individual work and the points of the final test are taken into account. At the same time, attendance at classes and the student's activity during practical classes must be taken into account; inadmissibility of absences and lateness to classes; using a mobile phone, tablet or other mobile devices during class for non-educational purposes; plagiarism and plagiarism; untimely performance of the assigned task, etc.

The policy of the academic discipline is determined by certain requirements for the student when studying the discipline "Pediatric Dental Surgery" and is based on the principles of academic integrity. The importance of acquiring new knowledge, academic norms to be followed, their importance, what academic integrity is, its values and functions are discussed with students. The essence, features and reasons for the inadmissibility of academic plagiarism are explained, students of higher education are encouraged to independently complete tasks, and correctly refer to sources of information in case of borrowing ideas.

The policy of the academic discipline consists in: mandatory observance of academic integrity by students, namely: independent performance of all types of work, tasks, forms of control provided for by the work program of the academic discipline.

Compliance with the principles and norms of ethics and deontology by students of higher education:

- actions in professional and educational situations taking into account academic integrity and professional ethics and deontology
- compliance with the internal rules of the clinical base of the department, to be tolerant, friendly and balanced in communication with students and teachers, patients, medical staff of health care institutions.

Attendance of classes by students of higher education: attendance at all classes is mandatory for the purpose of current and final assessment of knowledge (unless there is a valid reason).

Completion of missed classes by students of higher education: Completion of missed classes takes place according to the schedule of practice - rewriting the topic of the class for which the student received a negative grade is held at a time convenient for the teacher and the student outside of classes.

### 10. Literature

1. Kharkov L. V. Pediatric oral and maxillofacial surgery : a textbook for students of higher medical educational institutions of the III-IV levels of accreditation / L. V. Kharkov, L. M. Yakovenko, N. V. Kiselyova ; ed. by L. V. Kharkov. - Kyiv : AUS Medicine Publishing, 2015. - 103 c.
2. Michael Miloro, 2004 London PETERSON'S PRINCIPLES OF ORAL AND MAXILLOFACIAL SURGERY Second Edition
3. Pediatric Oral and Maxillofacial Surgery Leonard B. Kaban, Maria J. Troulis, 2004.
4. Sturdevant's art & science of operative dentistry-4th ed. / editors, Theodore M. Roberson, Harald O. Heymann, Edward J. Swift, Jr., 2002

#### Additional:

1. Contemporary Oral and Maxillofacial Surgery / J. P. Sapp, L. R. Eversole, G. P. Wysocki – 2nd ed.- St. Louis: Mosby – 2004. – P. 88-90.
2. Oral and Maxillofacial Surgery/ G.O. Kruger – 6th ed. - St. Louis: Mosby Company. – 1984. – P. 9-38.
3. Contemporary Oral and Maxillofacial Surgery / L. J. Peterson, E. Ellis, J. R. Hupp, M.R. Tucker – 3rd ed. – St. Louis: Mosby – Year Book, Inc. – 1998. – P. 69-82.
4. Bauml, Philips R.W., Lund M.R. Textbook of Operative Dentistry. - 3-rd ed.- Philadelphia: Saunders, 1995.- 661p.
5. Timofieiev O.O. Anesthesia in Oral and Maxillofacial Surgery / O.O. Timofieiev, I.I. Fesenko. - Kyiv: OMF Publishing, 2016, 128 p.

### 6. Equipment, logistical and software support of the discipline

Pediatric dentist workplace, dental equipment and instruments;  
Phantoms of teeth and jaws;  
Tables;  
Multimedia presentations;  
Computer support.

Official website of Danylo Halytsky Lviv National Medical University <http://www.meduniv.lviv.ua/>

Electronic information resources of the university library:

Electronic catalog of the library.

Information and reference sources: encyclopedias, directories, dictionaries.

Educational electronic publications and resources: manuals containing systematized material within the curriculum of the academic discipline.

### 12. Additional information

Practical classes are held in the clinical offices of the Pediatric dentistry department and in the phantom classroom.

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