

# Syllabus for the discipline "Pediatric therapeutic dentistry"

## Individual profile course of practical training (IPCPT)

### "Therapeutic Dentistry" (5 course)

#### BB 3.2.4

<b>I. General information</b>	
<b>Name of the faculty</b>	Dental
<b>Educational program</b> (industry, specialty, level of higher education, form of education)	22 Health care, 221 Dentistry, second (master's) level of higher education, full-time
<b>Academic year</b>	2023/2024
<b>Name of discipline, code</b> (e-mail address on the website of LNMU named after Danylo Halytskyi )	Pediatric therapeutic dentistry (Kaf_peddentistry@meduniv.lviv.ua)
<b>Department</b> (name, address, telephone, e-mail)	Pediatric therapeutic dentistry  Lviv, Pekarska st 69 B  тел: +38(032)276-32-41 Kaf_peddentistry@meduniv.lviv.ua
<b>Head of the department</b> (contact e-mail)	Oleksandr Volodymyrovych Kolesnichenko, Ph.D, Associate Professor  (Kaf_peddentistry@meduniv.lviv.ua)
<b>Year of study</b> (the year in which the study of the discipline is implemented)	Fifth
<b>Semester</b> (the semester in which the discipline is studied)	IX-X
<b>Type of discipline/module</b> (compulsory/optional)	Selective
<b>Teachers</b> (names, surnames, scientific degrees and titles of teachers who teach the discipline, contact e-mail)	Hrynyshyn O.B. PhD., Assoc. Professor  Fur M.B. PhD., Assoc. Professor Krupnyk A.-S. A. PhD., Assoc. Professor
<b>Erasmus Yes/no</b> (discipline availability for students within the Erasmus program)	Yes
<b>The person, who is responsible for the syllabus</b> (person to whom comments regarding the syllabus should be provided, contact e-mail)	Krupnyk A.-S. A. PhD., Assoc. Professor
<b>Number of ECTS credits</b>	3
<b>Number of hours</b> (lectures/practical classes/independent work of students)	90 practical lessons – 48 independent work - 42
<b>Language of education</b>	English
<b>Information about consultations</b>	Consultations are held according to the schedule
<b>Address, phone number, and hours of the clinical base</b>	Pekarska Str. , 69 B , Lviv phone: +38(032)276-32-41
<b>2. A short summary of the discipline</b>	
<p><b>Pediatric dentistry</b>- is a complex and multi-component specialty where a specialist acting as a dentist must also think as a pediatrician. The training and operation of such a specialist requires a great deal of effort, skill, time, and energy. Every specialist who works with children should know the peculiarities of the prenatal and postnatal periods of development and formation of the hard tissues of the teeth, jaw bones, soft tissues of the face, as well as how these processes are influenced by the health of the future mother and the child himself, various negative factors that can lead to the emergence and development of dental diseases. He should also know the peculiarities of clinical manifestations and patterns of pathological processes in the maxillofacial area in children, as well as methods of treatment and prevention of dental diseases in different age periods.</p>	
<b>3. Purpose and goals of disciplines</b>	

**The aim of teaching** the educational discipline "Pediatric therapeutic dentistry" is to acquire skills in the diagnosis, differential diagnosis and treatment of dental diseases (in particular, caries and its complications, diseases of the tissues of the periodontal and the mucous membrane of the oral cavity) in children of different ages on the basis of their study of etiology, pathogenesis, clinical manifestations, methods of diagnosis and differential diagnosis, methods of treatment, selection and use of modern dental materials and drugs. The tasks of studying the educational discipline "Pediatric therapeutic dentistry" in the 5th year are aimed at the formation of integral, general and professional (special) competencies and the achievement of the following learning outcomes defined in the Standard of Higher Education of Ukraine of the second (master's) level of the field of knowledge 22 "Health care" specialty 221 "Dentistry".

**Competences and learning outcomes, the formation of which contributes to the discipline:**

**General:**

- 1 The ability to think abstractly, analyze and synthesize.
- 2 Knowledge and understanding of the subject area and understanding of the professional activity.
- 3 The ability to apply knowledge in practical activities.
- 4 Ability to communicate in the official language both orally and in writing. Ability to communicate in English.
- 5 Skills in the use of information and communication technologies.
- 6 The ability to search for, process, and analyze information from various sources.
- 7 The ability to adapt and act in a new situation.
- 8 The ability to identify, pose, and solve problems.
- 9 Ability to work in a team.
- 10 The desire to preserve the environment.
- 11 The ability to act socially responsible and consciously.
- 12 Ability to realize their rights and obligations as a member of society, to be aware of the values of civil (free democratic) society and the need for its sustainable development, the rule of law, the rights and freedoms of man and citizen in Ukraine.

**Special (professional, subject):**

1. The ability to collect medical information about the patient and analyze clinical data.
- 2 The ability to interpret the results of laboratory and instrumental research.
- 3 Ability to diagnose: determine preliminary, clinical, final, accompanying diagnosis, emergency conditions.
- 4 The ability to plan and carry out measures for the prevention of diseases of the organs and tissues of the oral cavity and maxillofacial area.
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 area.
- 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.
- 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 accompanying somatic diseases.
8. Ability to perform medical and dental manipulations.
- 9 The ability to treat the main diseases of the organs and tissues of the oral cavity and maxillofacial area.
- 10 Ability to organize and carry out medical evacuation measures.
- 11 Ability to determine tactics, methods and provision of emergency medical assistance.
- 12 Ability to organize and conduct a screening examination in dentistry.
- 13 The ability to assess the impact of the environment on the health of the population (individual, family, population).
14. Ability to maintain regulatory medical documentation.
- 15 Processing of state, social and medical information.
- 16 Ability to organize and carry out rehabilitation measures and care for patients with diseases of the oral cavity and MFA.
- 17 The ability to legally secure one's own professional activity.
- 18 The ability to provide pre-medical care according to the protocols of tactical medicine.

**3. Prerequisites of the discipline**

**Pediatric therapeutic dentistry as a discipline:**

- (a) is based on and integrated with the prior study by students of human anatomy, histology, embryology and cytology, medical biology, medical chemistry, biological and bio-organic chemistry, medical physics, microbiology, virology and immunology, and childhood diseases;
- (b) establishes the basis for the study by students of such clinical disciplines as prevention of dental diseases, pediatric surgical dentistry, therapeutic dentistry, orthodontics;
- (c) is based on the study by students of propaedeutics of the dental profile: propaedeutics of children's therapeutic dentistry, propaedeutics of therapeutic dentistry, propaedeutics of orthopedic dentistry and is integrated with these disciplines;
- (d) is integrated with the following clinical disciplines: prevention of dental diseases, paediatric surgical dentistry, orthodontics and therapeutic dentistry;

(e) develop an awareness of professional responsibility for the quality of care for caries and its complications, periodontal disease and mucous membrane of oral cavity in children of all ages and the need for the widespread introduction of primary prevention of dental diseases.		
<b>2. Program learning outcomes</b>		
<b>List of learning outcomes</b>		
Learning outcome code	Content of learning outcomes	Link to competency matrix code
<p><i>The code is created when filling out the syllabus (category:</i></p> <p><i>K-knowledge;</i></p> <p><i>Sk- skill;</i></p> <p><i>C-competence;</i></p> <p><i>AR-autonomy and responsibility)</i></p> <p><i>The code is generated by filling in the syllabus (category: knowledge; ability competence; autonomy and responsibility)</i></p>	<p><i>Learning outcomes define what a student should know, understand and be able to do after completing a discipline. The learning outcomes follow from the set learning goals. To enroll in a discipline, it is necessary to confirm the achievement of each learning outcome</i></p>	<p><i>Program learning outcome code symbols in the Higher Education Standard</i></p>
<p>K-2 Sk-1 C -1, C-2</p>	<p>To highlight and identify leading clinical symptoms and syndromes: facial disproportion; pain in the soft tissues of the maxillofacial area; headache; changed color of the skin, mucous membrane of the oral cavity; lesions on the skin and mucous membrane of the oral cavity; lymphadenopathy; macroglossia; macrocheilitis; maceration of the corners of the mouth; dental deposits; heartburn of the mucous membrane; taste disturbance; violation of functions of sucking, swallowing, pathological mobility of teeth; the presence of an infiltrate in the maxillofacial region; restrictions in opening the mouth; gum, periodontal, bone pocket.</p>	<p>ПІР-1</p>
<p>K – 1 Sk - 1 AR - 1</p>	<p>Collect information on the general condition of the patient, assess the psychomotor and physical development of the patient, the state of the organs of the maxillofacial area, on the basis of the results of laboratory and instrumental studies, evaluate the information on the diagnosis (histomorphological examination of the biopathy of lymph nodes, mucous glands, mucous membranes, soft tissues; analysis of blood glucose content; general blood test; general analysis of urine; biochemical blood analysis; immunological examination for dental diseases; coagulogram analysis; interpretation of radiological diagnostics of salivary glands; cytological examination of organs and tissues of the maxillofacial apparatus; microbiological examination of oral fluid, swabs from the mucous membrane of the oral cavity, periodontium).</p>	<p>ПІР – 2,  ПІр-3</p>
<p>K– 1 Sk – 1 AR - 1</p>	<p>To determine the final clinical diagnosis in compliance with the relevant ethical and legal norms, by making a reasoned decision and logical analysis of the received subjective and objective data of clinical, additional examination, carrying out differential diagnosis under the control of the supervising physician in the conditions of a medical institution (papillitis; gingivitis; periapical inflammation) ; periodontitis; traumatic lesions; autoinfectious diseases of OM (acute aphthous stomatitis, herpetic, ulcer-necrotic, candidal lesions); secondary bacterial diseases (diphtheria, tuberculosis, syphilis, gonorrhoea); manifestations of immunodeficiency states of OM (AIDS); allergic lesions). <i>Diagnose emergency conditions under any circumstances (at home on the street, in a medical institution, in emergency situations, martial law, lack of information and limited time): asphyxia (including newborns); hypertensive crisis;</i></p>	<p>ПІР – 4  ПІР - 5</p>

	acute respiratory failure; acute heart failure; acute poisoning; "sharp" stomach; electric shock; faint; external bleeding; collapse; coma; swelling of the larynx; Quincke's edema; burns and frostbite; convulsions; drowning; physiological childbirth; shock.	
K- 2 Sk- 1 C - 1 AR - 1	Carry out and implement dental disease prevention measures among the children's population to prevent the spread of dental diseases Analyze the epidemiological situation and carry out measures of mass and individual, general and local drug and non-drug prevention of dental diseases	IIP - 6  IIP-7
K- 1 Sk - 1 AR - 1	<i>Determine the approach, plan, type and principle of treatment for:</i> periodontal tissue pathology; traumatic lesions of the mucous membrane of the oral cavity; viral, fungal, allergic diseases of the mucous membrane of the oral cavity; changes in the mucous membrane of the oral cavity in case of: systemic diseases; specific diseases; changes in the mucous membrane of the oral cavity in acute infectious and viral diseases; independent and symptomatic cheilitis; abnormalities and diseases of the tongue.	IIP- 8
K - 1 K - 2 Sk - 1 C - 1	<i>Determine the diet of sick children in the treatment of:</i> periodontal tissue pathology; traumatic lesions of the mucous membrane of the oral cavity; viral, fungal, allergic diseases of the mucous membrane of the oral cavity; changes in the mucous membrane of the oral cavity in case of: systemic diseases; specific diseases; changes in the mucous membrane of the oral cavity in acute infectious and viral diseases; independent and symptomatic cheilitis; abnormalities and diseases of the tongue, pathologies of periodontal tissues; traumatic lesions of the mucous membrane of the oral cavity; viral, fungal, allergic diseases of the mucous membrane of the oral cavity; changes in the mucous membrane of the oral cavity in case of: systemic diseases; specific diseases; changes in the mucous membrane of the oral cavity in acute infectious and viral diseases; independent and symptomatic cheilitis; abnormalities and diseases of the tongue.	IIP - 9
Sk - 1 AR - 1, AR - 2	The ability to determine the management tactics of dental patients with accompanying somatic diseases	IIP - 10
K- 1 Sk - 1 C - 1 AR - 1, AR - 2	<i>To determine the nature and principles of treatment of diseases in children's therapeutic dentistry for:</i> periodontal tissue pathology; traumatic lesions of the mucous membrane of the oral cavity; viral, fungal, allergic diseases of the mucous membrane of the oral cavity; changes in the mucous membrane of the oral cavity in case of: systemic diseases; specific diseases; changes in the mucous membrane of the oral cavity in acute infectious and viral diseases; independent and symptomatic cheilitis; abnormalities and diseases of the tongue. pathologies of periodontal tissues; traumatic lesions of the mucous membrane of the oral cavity; viral, fungal, allergic diseases of the mucous membrane of the oral cavity; changes in the mucous membrane of the oral cavity in case of: systemic diseases; specific diseases; changes in the mucous membrane of the oral cavity in acute infectious and viral diseases; independent and symptomatic cheilitis.	IIP - 11
K- 1 K- 2 Sk - 1 AR - 1, AR - 2	To organize medical evacuation measures in emergency situations, including martial law, among the child population.  Ability to identify tactics, methods and emergency medical care for children	IIP-12  IIP - 13
K - 2 Sk - 2	Analyze and evaluate government, social and medical information using standard approaches and computer information technologies  The ability to assess the impact of the environment on the health of the population (individual, family, population)	IIP-14  IIP - 15

K- 1 Sk - 1 AR -1	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. 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	IIP — 16,17,18,19
K- 1 Sk- 1 AR -1	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.	IIP-20
K- 1 Sk- 1 AR -1	The ability to perform medical manipulations based on a preliminary or final diagnosis for children.	IIP - 21
K- 1 Sk - 1 AR - 1	The ability to perform medical dental manipulations based on a preliminary or final diagnosis for children.	IIP- 22
K- 2 Sk -1 C - 1 AR -1, AR - 2	Ability to provide emergency medical care according to tactical medicine protocols.	IIP — 23

**K1** 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  
**K2** Critical understanding of problems in education and/or professional activity and on the border of subject areas  
**Sk1** Solving complex tasks and problems that requires updating and integrating knowledge, often in conditions of incomplete/insufficient information and conflicting requirements  
**Sk2** 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	Full-time	
<i>Type of lessons</i>	<i>Number of hours</i>	<i>Number of groups</i>
Lectures	-	-
Practical lessons	48	1
Independent work	42	1

#### 1. Topic and content of the discipline

<i>Code type classes</i>	<i>Theme</i>	<i>Content of training</i>	<i>Learnin g outcome code</i>	<i>Teacher</i>
Π-1	Content, structure and requirements of the test license exam "KROK-2" in the specialty "Dentistry". Methodology of OSKI. Morphofunctional features of the structure of the periodontium in children. Classification of periodontal diseases. Etiology and pathogenesis of periodontal tissue diseases. Gingivitis in children. Clinic, diagnosis, differential diagnosis and treatment of various forms of gingivitis	1. Determination of the initial level of students' knowledge (oral and test survey). 2. Acquaintance with the educational materials. 3. Carry out treatment of the patient: - collect anamnesis; - conduct a clinical examination; interpret the results of additional research methods. - make a diagnosis and draw up a treatment plan for the patient. - draw up the medical card of the dental patient. 3. Control of the level of knowledge acquisition (test and situational tasks)	K-2 Sk -1 AR -1	Hrynyshyn O.B. PhD., Assoc. Professor  Fur M.B. PhD., Assoc. Professor  Krupnyk A.-S. A. PhD., Assoc. Professor
Π-2	Periodontitis in children. Clinic, diagnosis. Principles of treatment of periodontitis in children. Periodontal syndrome in children.	1. Determination of the initial level of knowledge of students (oral and test interviews). 2. Acquaintance with the educational materials	K-2 Sk -1 AR -1	Hrynyshyn O.B. PhD., Assoc. Professor  Fur M.B. PhD., Assoc. Professor

CPC-1	Methods of examination of periodontal tissues in children: clinical and index assessment, radiological and laboratory research methods. Individual determination of risk factors for periodontal tissue diseases.	3. Monitoring the level of knowledge acquisition (tests and situational tasks)  1. Describe an algorithm for the examination of periodontal tissue in children.  2. Describe methods for assessing the hygienic condition of the oral cavity (determination of the indices of gingivitis and periodontitis).		Krupnyk A.-S. A. PhD., Assoc. Professor
CPC-2	Idiopathic periodontal diseases in children: features of the clinical course, diagnosis, differential diagnosis. Tactics of a dentist	1. Describe the main idiopathic periodontal diseases in children (clinic, diagnosis).  2. Develop a treatment plan for idiopathic periodontal disease.		
II-3	Morpho-functional features of the structure of the oral mucosa in children. Primary and secondary elements of oral mucosa lesions. Classification of oral mucosa diseases. Stomatitis in children (Acute and recurrent herpetic. Chronic recurrent aphthous stomatitis) Etiology, pathogenesis, clinic, diagnosis, treatment and prevention.	1. Definition of the initial level knowledge of student and test survey). 2. Acquaintance with educational materials. 3. Control of the level of assimilation of knowledge and situational problems)  1. Describe the clinical symptoms acute and recurrent herpetic stomatitis in children according to the severity of the disease. 2. Describe treatment algorithms acute and recurrent herpetic stomatitis in children.	K-1 Sk-1 C-1, C-2 AR-1	Hrynyshyn O.B. PhD., Assoc. Professor  Fur M.B. PhD., Assoc. Professor  Krupnyk A.-S. A. PhD., Assoc. Professor
CPC-3	Herpetic stomatitis in children. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, treatment. Characteristics of the main groups of antiviral agents			
II-4	Fungal lesions of oral mucosa in children Etiology, pathogenesis, clinic, diagnosis, treatment and prevention. Diseases of lips and tongue in children. Independent and symptomatic cheilitis. Causes, clinic, diagnosis, treatment	1. Definition of initial level of knowledge of student and test survey). 2. Acquaintance with educational materials 3. Control of the level of assimilation of knowledge and situational problems)  1. Describe the types of candidiasis lesions of oral mucosa in children. 2. Make a table of antifungal agents: groups, mechanism of action, indications, contraindications, methods of use in children.	K-1, Sk-1 C-1. C-2 AR 1, AR -2	Hrynyshyn O.B. PhD., Assoc. Professor  Fur M.B. PhD., Assoc. Professor  Krupnyk A.-S. A. PhD., Assoc. Professor
CPC-4	Fungal lesions of the cavity mouth in children. Characteristic signs. Main groups of antifungals and their means			
II-5	Manifestations in the oral cavity in children of the gastrointestinal tract, blood, endocrine system and infectious diseases. Clinic, diagnosis, treatment. Traumatic injury of the oral mucosa in children. Etiology, diagnosis, treatment and prevention	1. Definition of the initial level knowledge of students (oral and test survey). 2. Acquaintance with educational materials 3. Control of the level of assimilation of knowledge and situational problems)  1. Draw up a trauma treatment plan-physical injuries of oral mucosa in children: mechanical; temperature; chemical; radial	K-1, Sk-1 C-1. C-2 AR 1, AR -2	Hrynyshyn O.B. PhD., Assoc. Professor  Fur M.B. PhD., Assoc. Professor  Krupnyk A.-S. A. PhD., Assoc. Professor
CPC-5	Traumatic injury oral mucosa in children.			
II-6	Allergic reactions of the immediate (anaphylactic shock, Quincke's edema, urticaria) and delayed (drug allergy, multifiform exudative erythema, Stevens-Johnson syndrome) type, their manifestations in the oral cavity of children of various ages.	1. Definition of initial level of students' knowledge and test survey). 2. Acquaintance with the educational handout. 3. Control of the level of knowledge acquisition (tests and situations)	K-1, Sk-1 C-1. C-2 AR 1, AR -2	Hrynyshyn O.B. PhD., Assoc. Professor  Fur M.B. PhD., Assoc. Professor  Krupnyk A.-S. A. PhD., Assoc. Professor

II-7	AIDS. Etiology, clinic, diagnosis, prevention. Peculiarities of clinical manifestations in children. Tactics of a dentist. Specific infection of the oral cavity in children (tuberculosis, syphilis, etc.). Peculiarities of clinical manifestations on oral mucosa. Tactics of a pediatric dentist.	1. Definition of initial level of students' knowledge (oral and test survey). 2. Acquaintance with the educational handout. 3. Control of the level of knowledge acquisition (situation tasks)	K -1, Sk-1 C-1. C-2 AB 1, AR -2	Hrynyshyn O.B. PhD., Assoc. Professor  Fur M.B. PhD., Assoc. Professor  Krupnyk A.-S. A. PhD., Assoc. Professor
CPC-6	Apexogenesis and apexification in the treatment of pulpitis of unformed permanent teeth	1. Describe the stages of development of permanent teeth. 2. Describe the concepts of the words apexogenesis and apexification. 3. Algorithm of apexogenesis and apexification.	K -1, Sk-1 C-1. C-2 AR 1, AR -2	Hrynyshyn O.B. PhD., Assoc. Professor  Fur M.B. PhD., Assoc. Professor  Krupnyk A.-S. A. PhD., Assoc. Professor
II-8	Final lesson. Protection of medical history. Control of learning practical skills	1. Mastery control practical skills. 2. Protection of medical history	K-1 Sk-1 C-1 AR-1, AR-2	Hrynyshyn O.B. PhD., Assoc. Professor  Fur M.B. PhD., Assoc. Professor  Krupnyk A.-S. A. PhD., Assoc. Professor
CPC-7	Preparation for writing medical histories	Collection of material and writing of medical histories		

#### 4. Verification of study results

##### Current control

Current control is carried out during training sessions and is aimed at checking 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 current educational activities are standardized and include control of theoretical and practical preparation of Exhibitions

marks on the traditional grading scale at the end of the semester are converted into points.

The current evaluation of the student's educational activity in each practical session is carried out in accordance with the specific goals of each topic.

Evaluation of the current educational activity in a practical session consists of:

##### Assessment of the current learning activity in the practical class consists of:

**1) Assessments of the student's independent work (SIW)** 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 SIW and did not provide a synopsis for checking to the teacher, then the traditional assessment for the class will be lower **by 1 point**.

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

**A grade of "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.

**The 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.

**The 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.

**A grade of "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.

**The 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 by the purpose of the practical lesson.

**The 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 mistakes.

**The grade "3"** is awarded when the student does not fully know the professional algorithm for performing one or another manipulation. Mistakes are allowed when performing the dental manipulation provided for the purpose of practical training.

**The 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>Code for the learning outcome</i>	<i>By type of activity</i>	<i>Method of verification of learning results</i>	<i>Criteria for inclusion</i>
K -1, AR-1	II -1,	1. Assessment of students knowledge level 2. Assessment of mastering of practical skills 3. Evaluation of the student's independent work	Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
K-1, Sk -1 C-1, C-2, AR-1	II-2,	1. Assessment of students knowledge level 2. Assessment of mastering of practical skills 3. Evaluation of the student's independent work	Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
K-1, Sk-1 C-1. C-2, AR -1, AR-2	II-3,	1. Assessment of students knowledge level 2. Assessment of mastering of practical skills 3. Evaluation of the student's independent work	Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
K-1, Sk-1, C-1, C-2, AR-1, AR-2	II-4,	1. Assessment of students knowledge level 2. Assessment of mastering of practical skills	Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
K-1, Sk-1, C-1, C-2, AR-1, AR-2	II-5,	1. Assessment of students knowledge level 2. Assessment of mastering of practical skills 3. Evaluation of the student's independent work	Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
	II-6	1. Assessment of students knowledge level 2. Assessment of mastering of practical skills	Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.



K-1, Sk-1, C-1, C-2, AR -1, AR-2	II-7,	<ol style="list-style-type: none"> <li>1. Assessment of students knowledge level</li> <li>2. Assessment of mastering of practical skills</li> <li>3. Evaluation of the student's independent work</li> </ol>	Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
K-1, Sk-1, C-1, C-2, AR-1, AR-2	II-8	<ol style="list-style-type: none"> <li>1. Assessment of students knowledge level</li> <li>2. Assessment of mastering of practical skills</li> <li>3. Evaluation of the student's independent work</li> </ol>	Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
K-1, Sk-1, C-1, C-2, AR-1, AR-2	II-9,	<ol style="list-style-type: none"> <li>1. Assessment of students knowledge level</li> <li>2. Assessment of mastering of practical skills</li> <li>3. Evaluation of the student's independent work</li> </ol>	Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
K-1, Sk-1, Sk-2, C-1, AR-1, AR-2	II-10,	<ol style="list-style-type: none"> <li>1. Assessment of mastering of practical skills</li> <li>2. Evaluation of the student's independent work</li> </ol>	Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
K-1, Sk-1, Sk-2, C-1, AR-1, AR-2	II-11;	<ol style="list-style-type: none"> <li>1. Assessment of mastering of practical skills</li> <li>2. Evaluation of the student's independent work</li> </ol>	Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
K-1, Sk-1, Sk-2, C-1, AR-1, AR-2	II-12;	<ol style="list-style-type: none"> <li>1. Assessment of mastering of practical skills</li> <li>2. Evaluation of the student's independent work</li> </ol>	Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
K-1, Sk-1, Sk-2, C-1, AR-1, AR-2	II-13 CPC-1,	<ol style="list-style-type: none"> <li>1. Assessment of mastering of practical skills</li> <li>2. Evaluation of the student's independent work</li> </ol>	Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for the relevant discipline and is entered in the journal of academic performance.
K-1, Sk-1, Sk-2, C-1, AR-1, AR-2	CPC -1-6	<ol style="list-style-type: none"> <li>1. Assessment of mastering of practical skills</li> </ol>	Assessment of students' current performance is carried out at each practical session on a 4-point scale using approved evaluation criteria for

			the relevant discipline and is entered in the journal of academic performance.
<b>Final control</b>			
<i>General evaluation system</i>	Participation in work during the semester/exam – 60%/40%		
<i>Rating scales</i>	Traditional 4-point scale, multi-point (200-point) scale, ECTS rating scale		
<i>Conditions of admission to the final control</i>	The student attended all practical classes and received at least 120 points for the current performance		
<i>Type of final control</i>	<i>Methodology of final control</i>	<i>Enrollment criteria</i>	
<i>Credit</i>	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 200. The minimum number of points is 120.	

**The maximum number of points** that a student can score for the current educational activity for admission to differentiated credit is 200 points.

**The minimum number of points** that a student must score for the current educational activity for admission to the differentiated assessment is 120 points.

The calculation of the number of points is carried out on the basis of the grades received by the student on a 4-point (national) scale during the study of the discipline, by calculating the arithmetic mean, rounded to two decimal places. The obtained value is converted into points on a multi-point scale as follows:

$$x = \frac{CA \times 120}{5}$$

*Перерахунок середньої оцінки за поточну діяльність у багатобальну шкалу для дисциплін, що завершуються заліком*

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	200	4.45	178	3.92	157	3.37	135
4.97	199	4.42	177	3.89	156	3.35	134
4.95	198	4.4	176	3.87	155	3.32	133
4.92	197	4.37	175	3.84	154	3.3	132
4.9	196	4.35	174	3.82	153	3.27	131
4.87	195	4.32	173	3.79	152	3.25	130
4.85	194	4.3	172	3.77	151	3.22	129
4.82	193	4.27	171	3.74	150	3.2	128
4.8	192	4.24	170	3.72	149	3.17	127
4.77	191	4.22	169	3.7	148	3.15	126
4.75	190	4.19	168	3.67	147	3.12	125
4.72	189	4.17	167	3.65	146	3.1	124
4.7	188	4.14	166	3.62	145	3.07	123
4.67	187	4.12	165	3.57	143	3.02	121
4.65	186	4.09	164	3.55	142	3	120
4.62	185	4.07	163	3.52	141	<3	not enough
4.6	184	4.04	162	3.5	140		
4.57	183	4.02	161	3.47	139		
4.52	181	3.99	160	3.45	138		
4.5	180	3.97	159	3.42	137		
4.47	179	3.94	158	3.4	136		

**Evaluation criteria of an objective structured practical (clinical) exam/a complex of practical-oriented exams**

The procedure for conducting the unified state qualification exam (USQE), approved by the order of the Ministry of Health of Ukraine dated 02/19/2019 No. 419, registered in the Ministry of Justice of Ukraine on 03/20/2019 under No. 279/33250.

<p><b>Policy of discipline</b></p> <p>(Indicates academic integrity policies, specific program policies relevant to the course).</p> <p>The points scored on the current test, independent 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.</p> <p>The policy of the academic discipline is determined by certain requirements for the student when studying the discipline "Pediatric Therapeutic Dentistry" 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.</p> <p>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.</p> <p>Compliance with the principles and norms of ethics and deontology by students of higher education:</p> <ul style="list-style-type: none"> <li>- actions in professional and educational situations taking into account academic integrity and professional ethics and deontology;</li> <li>- 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.</li> </ul> <p>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).</p> <p>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.</p>
<p><b>3. Recommended literature</b></p>
<ol style="list-style-type: none"> <li>1. Welbury R. Paediatric dentistry/ Richard Welbury, Monty Duggal.- Oxford University Press; 3rd edition, 2005 Copyright.- 306-310</li> <li>2. Khomenko L.A. Pediatric therapeutic dentistry/ L.A. Khomenko.- Kiev: Book-plus, 2012.</li> </ol>
<p><b>2. Equipment, logistical and software support of the discipline</b></p>
<p>Children's dentist workplace, dental equipment and instruments;</p> <p>Phantoms of teeth and jaws;</p> <p>Tables;</p> <p>Multimedia presentations;</p> <p>Computer support.</p> <p>Official website of Lviv National Medical University named after Danylo Halytskyi: <a href="http://www.meduniv.lviv.ua/">http://www.meduniv.lviv.ua/</a></p> <p>Electronic information resources of the university library:</p> <p>Electronic catalog of the library.</p> <p>Information and reference sources: encyclopedias, directories, dictionaries.</p> <p>Educational electronic publications and resources: manuals containing systematized material within the framework of the academic discipline program.</p>
<p><b>2. Additional information</b></p>
<p>Practical classes are held in the clinical offices of the Department of Pediatric Dentistry and in the phantom classroom.</p>

The person, who is responsible for the syllabus (Krupnyk A.-S. A. PhD., Assoc. Professor)

Head of Department (Kolesnichenko O.V., Ph.D, Associate Professor)