

NATIONAL PIROGOV MEMORIAL MEDICAL UNIVERSITY, VINNYTSYA

«APPROVE»

Vice-Rector of HEI of Scientific-Academic  
Affairs and International Relations

 professor of HEI

Inna ANDRUSHKO

“ 30 ” August 20 24 y.

«AGREE»

Head of Therapeutic Dentistry Department

 professor of HEI

Mariia SHINKARUK-DYKOVYTSKA

“ 26 ” August 20 24 y.

SYLLABUS  
OF EDUCATIONAL DISCIPLINE  
PROPAEDEUTICS OF THERAPEUTIC DENTISTRY

Specialty	221 Dentistry
Educational level	Master
Educational program	EPP «Dentistry», 2022
Academic year	2024-2025
Department	Therapeutic Dentistry
Lecturer	Anastasiia Povsheniuk, Candidate of Medical Sciences, Associate Professor of HEI
Contact Information	<a href="mailto:terstom@vnmue.edu.ua">terstom@vnmue.edu.ua</a> V. Stus Street, 2
Syllabus developer	Nataliia Gadzhula, Candidate of Medical Sciences, Associate Professor of HEI Lina Kovalchuk, Candidate of Medical Sciences, Associate Professor of HEI

## 1. Status and structure of the discipline

Discipline status	Obligatory
Discipline code in EPP / discipline place in EPP	OK 23 // discipline of professional training
Course, semester	2 course (III and IV semesters)
Scope of the discipline (total number of hours / number of ECTS credits)	105 hours / 3.5 credits ECTS
Number of content modules	4 modules
The structure of the discipline	Lectures – 10 hours Practical classes – 58 hours Independent work – 37 hours
Teaching language	English
Form of study	Full-time (or on-line by order)

## 2. Description of the discipline

### Short annotation of the course, relevance

Propaedeutic of therapeutic dentistry is a preparatory preclinical course of therapeutic dentistry – a discipline whose methods are aimed at maintaining the health of teeth, organs and tissues of the oral cavity, restoring their anatomical shape and physiological function, prevention of dental diseases by therapeutic methods without surgery.

The subject of the discipline is the clinical features of the structure of teeth, tissues and organs of the oral cavity, organization and equipment of the dental office, principles, methods and stages of preparation of carious cavities of different localization, composition, properties and methods of dental fillings, endodontic treatment of teeth cavity and root canals, materials and methods of their filling.

The discipline is focused on gaining knowledge about the clinical features of the teeth structure, tissues and organs of the oral cavity, organization and equipment of the dental office, principles, methods and stages of preparation of carious cavities of different localization, composition, properties and methods of dental fillings, endodontic treatment of tooth cavities and root canals, materials and methods of their filling, formation of skills on separate stages of dental treatment – preparation, endodontic intervention and filling of carious cavities, defects of teeth and root canals on plastic or natural (removed according to medical indications) models of teeth ("phantoms").

### Prerequisites

- Human anatomy (clinical features of the teeth, periodontium, oral mucosa and oral organs structure)
- Histology (histological features of teeth, periodontium, oral mucosa and oral organs structure, embryogenesis of oral organs)
- Bioorganic and biological chemistry (biochemical and biophysical processes in hard and soft tissues of the oral cavity)
- Pathological anatomy (pathomorphological signs of diseases of the oral cavity)
- Physiology (physiological processes occurring in the hard and soft tissues of the oral cavity, the transmission of pain impulse through the hard tissues of the tooth)
- Pathophysiology (pathological processes occurring in the hard and soft tissues of the oral cavity)

### **The purpose of the course and its significance for professional activities**

**The purpose** of teaching the discipline “Propaedeutics of therapeutic dentistry” is to prepare students for work in the clinic of therapeutic dentistry for the treatment of diseases associated with damage to teeth, periodontal tissues and oral mucosa

**Competences and learning outcomes**, the formation of which is facilitated by the discipline. According to the requirements of the educational-professional program of the second (master's) level of knowledge 22 “Health”, specialty 221 “Dentistry”, educational program “Dentistry” discipline “Propaedeutics of therapeutic dentistry” provides students with the following competencies:

- integral: IC: Ability to solve complex problems and problems in the field of health care in the specialty “Dentistry” in a professional activity or in the learning process, which involves research and / or innovation and is characterized by uncertainty of conditions and requirements.

- General competencies (GC):

GC 2. Knowledge and understanding of the subject area and understanding of professional activity.

GC 3. Ability to apply knowledge in practice.

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.

GC 10. Ability to be critical and self-critical.

- Special:

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

SC 3. Ability to diagnose: determine the preliminary, clinical, final, concomitant diagnosis, emergencies.

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

SC 8. Ability to perform medical and dental manipulations.

### **Postrequisites**

Propaedeutics of therapeutic dentistry lays the foundation for the study of basic dental disciplines, namely therapeutic, surgical, orthopedic dentistry and the formation of skills to apply the acquired knowledge in the further study of all clinical disciplines and in future professional activities.

### **3. Learning outcomes**

“Propaedeutics of therapeutic dentistry” as a discipline lays the foundation for the further formation of subsequent program learning outcomes in accordance with the educational-professional program of the second (master's) level of knowledge 22 “Health”, specialty 221 “Dentistry”, educational program “Dentistry”, namely:

**PLO8.** Determine the approach, plan, type and principle of treatment of dental disease (according to the list 2, section 1 A, B) by making an informed decision according to existing algorithms and standard schemes.

**PLO19.** Adhere to the requirements of ethics, bioethics and deontology in their professional activities.

**PLO20.** Organize the necessary level of individual safety (own and persons cared for) in case of typical dangerous situations in the individual field of activity.

**PLO22.** Perform medical dental manipulations on the basis of preliminary and / or final clinical diagnosis (according to list 2, section 1 A, B, according to list 2.1, namely 1, 2, 3, 4) for different segments of the population and in different conditions (according to list 7, namely 2, 11, 13, 24, 29, 30, 33, 34, 46).

## 2. Learning outcomes for the discipline:

Upon completion of the discipline “Propaedeutic of Therapeutic Dentistry” students should **know**:

- clinical features of the teeth, mucous membranes and organs of the oral cavity structure,
- theories of pain impulse transmission through the hard tissues of the tooth,
- organization and equipment of the dental office,
- appointment of dental instruments,
- methods, principles and stages of preparation of carious cavities of different localization,
- composition, properties of filling materials and methods of their use,
- endodontic treatment of the tooth cavity and root canals,
- materials and methods of root canal filling;

### *to be able:*

- to analyze changes in the structure of the hard tissues of the tooth (enamel, dentin, cementum), pulp, periodontium, organs and individual areas of the oral mucosa associated with age and pathological conditions;
- to interpret age-related changes, the influence of salivary gland function and saliva composition on the condition of tooth hard tissues;
- to determine the affiliation of teeth to a particular group, side, upper or lower jaw, taking into account their clinical and anatomical features of the structure, signs;
- to use dental instruments in accordance with the purpose;
- to determine the belonging of carious cavities to a certain class according to Black;
- to prepare carious cavities of I - V classes according to Black in different ways, following the mode and stages of preparation by classical and minimally invasive methods;
- to choose according to the indications, prepare for use sealing materials for permanent and temporary seals of different groups, medical and insulating pads;
- to fill carious cavities of I-V classes according to Black with materials of different groups;
- to carry out endodontic manipulations step by step: opening (trepanation) of the tooth cavity, amputation, pulp extirpation, removal of putrid decay;
- to use endodontic instruments for manual and machine treatment of root canals and perform it by different methods;
- to choose materials for filling root canals depending on their patency, degree of infection, location;
- to fill the root canals with different techniques.

## 4. CONTENT AND LOGISTICS OF THE DISCIPLINE

<b>Module 1</b> “Clinical features of the structure of teeth, tissues and organs of the oral cavity and the preparation of carious cavities” Content modules – 2	III semester 40 hours/ 1.3 credits ECTS	Lectures – 1-2 Practical classes № 1-12 Topics for self-study № 1-4
<b>Module 2.</b> “Filling materials and endodontics” Content modules – 2	III-IV semester 65 hours/ 2.2 credits ECTS	Lectures – 3-5 Practical classes № 13-28 Topics for self-study № 5-8

The discipline includes 5 lectures, 28 topics of practical lessons, which are divided into 4 thematic modules.

## **Themes of practical classes**

### **Module 1. Clinical features of the structure of teeth, tissues and organs of the oral cavity and preparation of carious cavities.**

#### ***Content module 1. Clinical features of the structure of teeth, tissues and organs of the oral cavity***

**Theme 1.** Propaedeutics of therapeutic dentistry as a preclinical course of therapeutic dentistry: concept, purpose and tasks, sections. Tooth structure: topography of tissues and tooth formation. Clinical features of anatomical and histological structure of enamel.

**Theme 2.** Clinical features of anatomical and histological structure of dentin and cementum. Concept of structural and functional resistance of the hard tooth tissues. Theories of transfer of pain impulse to the hard tooth tissues.

**Theme 3.** Clinical features of anatomical and histological structure of pulp and periodontal ligament. Age changes in them. Concept of periodontium, its functions. Saliva, oral liquid: structure, properties, functions.

**Theme 4.** Tooth notation (dental formulas). Signs of the teeth. Clinical and anatomical features of incisors, canines, premolars and molars of upper and lower jaws.

#### ***Content module 2. Preparation of carious cavities***

**Theme 5.** Equipment of dental office. Sanitary-hygienic requirements for its organization. Types of dental drilling engines. Dental unit: structure, designation of block components. Concept of ergonomics in dentistry. Safety engineering of work. Occupational diseases of the dentist, their prevention.

**Theme 6.** Types of dental handpieces, burs. Dental instruments, their appointment. Manipulation in mirror image.

**Theme 7.** Classification of carious cavities by Black. Methods of cavity preparation. Methods of isolation of the operating field.

**Theme 8.** Stages of classical preparation of carious cavities. The technique of carious cavities preparation of class I cavities by Black. Classical technique of carious cavities preparation of classes I and V cavities by Black.

**Theme 9.** Classical preparation technique of class II cavities by Black.

**Theme 10.** Classical preparation technique of class III cavities by Black.

**Theme 11.** Classical preparation technique of class IV cavities by Black.

**Theme 12.** Features of cavity preparation for filling with modern composite materials. Minimal invasive techniques of cavity preparation (tunnel preparation, slot-preparation, bate-cave-preparation, micro-preparation, ART-technique).

### **Module 2. Filling materials and endodontics**

#### ***Content module 3. Filling materials***

**Theme 13.** Filling materials. Classification. Requirements to them. Temporal filling materials: composition, properties. The concept of a temporary filling and hermetic bandage.

**Theme 14.** Dental cements, their classification. Zinc-phosphate, silicate and silico-phosphate cements: composition, positive and negative qualities, indications and rules of use. Glass ionomer cements: classification, composition, properties, positive and negative qualities, indications for use.

**Theme 15.** Therapeutic liners: groups, composition, properties, indications for use, technique of applying. Isolation of pulp: concepts, kinds. Applying of isolating liners in the carious cavities of I-V classes by Black.

**Theme 16.** The concept of the contact point, the significance of its disturbance in the pathology of the periodontal diseases. Dental accessories for its restoration. Grinding and polishing of fillings: instruments, equipment, technique. The concept of postbonding.

**Theme 17.** Silver and copper amalgams: composition, properties, advantages, disadvantages, indications and application rules. Features of grinding and polishing of filling material.

**Theme 18.** Composite materials: classification, composition. Chemical and light cured materials: positive and negative qualities, indications for use, manipulation. Photopolymerizers: purpose, physical and technical characteristics. Safety of working with them. Modes of light exposure.

**Theme 19.** Adhesion: concept, types. Adhesive systems: composition, principle of interaction with tooth tissues, application technique. Acid etching, conditioning: purpose, technique, mistakes and complications.

**Theme 20.** Standard technique of work with composite materials of chemical and light cured. Credit.

#### ***Content module 4. Endodontics***

**Theme 21.** Endodontics – its problems and the purpose. Endodontic instruments: classification, versions, appointment, application rules. Standards ISO. Optical systems for endodontic manipulations.

**Theme 22.** Clinical features of structure of pulp cavity and root canals of incisors, canines, premolars, molars.

**Theme 23.** Stages of endodontic treatment of the tooth: opening (trepanation) of tooth cavity of different groups, applying of devitalizing pastes. Amputation, extirpation of pulp, removal of its disintegration: instrumentation, technique of carry out, possible complications. Antiseptic treatment of root canals: kinds (irrigation, application, temporary obturation), groups and mechanism of action of medicines. The concept of hermetic, semi-hermetic and loose dressing bands.

**Theme 24.** Instrumental treatment of root canals: the concept of rimming and filing. Methods for determining the working length of the root canal. Methods of instrumental treatment of root canals: “Step-back” and “Crown-down” technique. Processing of root canals using rotary instruments. Medicamentous medicines for chemical expansion of root canals. Preparing the root canals for obturation.

**Theme 25.** Materials for obturation of the root canals. Sealers and fillers: classification, requirements. Plastic non-hardening pastes: groups, composition, properties, indications for use, the technique of temporary root canal filling.

**Theme 26.** Plastic hardening filling materials (sealers) for the root canals: groups, composition, the positive and negative characteristics, indications for use. Methods of root canal obturation: central pin, lateral condensation, ect.

**Theme 27.** Features of endodontic treatment of instrumental unpassable root canals. Mummification and impregnation. Tasks and purposes. Substances for their carry out. Depophoresis.

**Theme 28.** Mistakes and complications in endodontic treatment. Features of preparation and filling of damaged vital and devital teeth, atypical carious cavities. Types of core constructions.

### **Themes of lectures**

**1.** Propaedeutics of therapeutic dentistry as a preclinical course of therapeutic dentistry: concept, purpose and tasks, sections. Historical stages of the development of therapeutic dentistry. The contribution of Ukrainian scientists to its development. Ethics and deontology in dentistry. Iatrogenic diseases. Clinical features of structure of the teeth of maxillary and mandibular jaws. Signs of the teeth. Tooth notation (dental formulas).

**2.** Classification of the carious cavities by Black. Methods and principles of cavity preparation. Stages of classic preparation of the carious cavities of I-V classes by Black. Minimal invasive techniques of cavity preparation. Concept of ergonomics in dentistry.

**3.** Dental filling materials: classification, requirements. Temporal filling materials: composition, properties. Therapeutic liners: groups, mechanism of action. Modern filling materials for permanent fillings (cements, amalgams, resin composite materials): composition, properties, indications, and technique of application.

**4.** Endodontics: determination. Clinical features of structure of tooth cavity and root canals of different groups of the teeth. Endodontic tools: classification, purpose, rules of use. ISO standards. Stages and methods of endodontic treatment of teeth: opening of the tooth cavity (trepanation), amputation, pulp extirpation, removal of putrid masses. Methods of instrumental and antiseptic treatment of root canals. Peculiarities of endodontic intervention in instrumental bad-passable root-canals.

**5.** Filling of the root-canals. Filling materials for obturation of the root canals: sealers of different groups, their properties, indications for use. Fillers and instruments for obturation of root canals. Root canal filling techniques (central pin, lateral condensation, etc.). Errors and complications (methods of central core (pin), lateral condensation of gutta-percha, etc.). Endodontic procedural errors and complications.

### **Themes for independent work**

**1.** Historical stages of therapeutic dentistry development. The contribution of Ukrainian scientists to its development. Ethics and deontology in dentistry. Iatrogenic diseases.

**2.** Histology of tooth tissues.

**3.** Anatomical, histological and physiological features of the structure of some areas of the oral mucosa.

**4.** Principles of cavity preparation.

5. Compomers, ormocers: composition, properties, indications for use. Technique of clinical application.
6. Flowable filling materials: composition, positive and negative properties, indications for use.
7. Instruments for machine root canal treatment: types of handpieces, endodontic instruments. Adaptations for removing damaged instruments from the root canals.
8. Modern technologies of root canal obturation, general characteristics.

### **List of practical skills in the discipline “Propaedeutics of therapeutic dentistry”**

1. To draw the tooth schematically. Mark anatomical and histological tissue formation and the diagram of the tooth.
2. Write the dental formula: anatomical, clinical, FDI – ISO, 1970 (WOH).
3. Draw (sculpt from plasticine) incisors, canines, premolars, molars of the upper and lower jaw, taking into account the anatomical features of the structure of the crown and roots.
4. According to the signs, clinical and anatomical features to distinguish incisors, canines, premolars, molars of the upper and lower jaw.
5. Equip the dental office in accordance with sanitary and hygienic requirements. Organize work in "four hands".
6. Distinguish and be able to use dental tools (including in the mirror image).
7. Choose a handpiece, burs and tools for the various stages of preparation.
8. Isolate the operating field by various methods.
9. Adhere to the mode of preparation when working on phantoms.
10. Prepare the classic technique of carious cavities of I - V classes according to Black of different localization on phantoms.
11. Prepare carious cavities for composite materials.
12. Prepare on phantoms carious cavities with minimally invasive techniques in accordance with the indications (tunnel preparation, slot preparation, batecave preparation, micropreparation, ART technique).
13. Prepare and apply filling material for temporary filling or hermetic dressing.
14. Prepare and apply medicated paste and temporary filling.
15. Prepare and apply zinc-phosphate cement as an isolating liner in carious cavities of different classes according to Black, temporary filling.
16. Prepare and apply silicate cement as a permanent filling in the carious cavities of the appropriate class according to Black on the phantom.
17. Prepare and apply silicophosphate cement as a permanent filling in the carious cavities of the appropriate class according to Black on the phantom.
18. Carry out conditioning of enamel, prepare and apply glass ionomer cement as a permanent filling in the carious cavities of the appropriate class according to Black on the phantom.
19. Restore the contact point in the carious cavities of grades 2-4 according to Black.
20. Grind and polish fillings from different filling materials.
21. Prepare and apply a permanent filling of silver amalgam in the carious cavities of the appropriate class according to Black on the phantom.
22. Carry out etching of enamel, prepare and apply adhesive, mix and apply a permanent filling of the composite material of the chemical method of hardening in carious cavities on the phantom.
23. Carry out etching, prepare and apply adhesive, apply a composite filling of the photopolymer method of hardening in carious cavities of 3rd, 4th, 5th class according to Black. Carry out the directed polymerization, having chosen a mode of light influence.



24. Prepare fissures (micropreparations) for enameloplasty or filling with glass ionomer cement or fluid composite material.
25. Distinguish by type, structure, purpose the endodontic instruments.
26. Carry out trepanation of crowns of incisors, canines, premolars, molars of the upper and lower jaws.
27. Apply devitalizing paste and hermetic bandage.
28. Dissect tooth cavities of different groups on phantoms or removed teeth.
29. Expand the orifices of the root canals.
30. To carry out amputation, extirpation of pulp.
31. Remove the putrid decay of the pulp from the root canal.
32. Carry out medical treatment of the root canal (irrigation and application) and apply a tight bandage.
33. Carry out instrumental treatment of root canals "Step-back" technique.
34. Carry out instrumental treatment of root canals "Crown-down" technique.
35. Carry out chemical expansion of the root canal.
36. Carry out preparation of the root canal with rotational endodontic instruments.
37. Prepare the root canal for filling.
38. Prepare a plastic non-hardening paste and make a temporary filling of the root canal.
39. Select as intended and prepare a plastic hardening material (sealer) for permanent sealing of the root canal.
40. Obturate the root canal with sealers of different groups.
41. Obturate the root canal with sealer and gutta-percha using the central pin method.
42. Obturate the root canal with sealer and gutta-percha by cold lateral condensation.
43. Carry out treatment of instrumentally impassable root canal (impregnation with resorcinol-formalin).
44. Carry out silvering of the root canal.
45. Carry out depophoresis with copper-calcium hydroxide.
46. To carry out preparation of atypical carious cavities.
47. Carry out preparation and fixing of intra-canal pin structures.
48. Carry out preparation and fixing of parapulpal pin structures.
49. Restore atypical carious cavities with filling materials.

The student's independent work involves preparation for practical classes and intermediate tests, study of topics for independent extracurricular work, preparation of presentations, tables. Control of mastering the topics of independent extracurricular work is carried out in practical classes and final control of the discipline.

Individual work includes the study of scientific literature, preparation of reviews on the topics provided for presentation at meetings of the student scientific group, the implementation of scientific and practical research, participation in specialized competitions, scientific and practical conferences, competitions of student research papers.

Thematic plans of lectures, calendar plans of practical classes, thematic plan of independent extracurricular work, volume and directions of individual work are published on the site of the department.

Route of receiving materials: Department of Therapeutic Dentistry / Student / Full-time study / Dentistry / 2nd year / Teaching materials / or at the link [https://www.vnmu.edu.ua/deepartment of therapeutic dentistry](https://www.vnmu.edu.ua/deepartment%20of%20therapeutic%20dentistry).

Access to materials is provided from the student's corporate account s000XXX@vnmu.edu.ua

## 5. Forms and methods of monitoring learning success

Current control in practical classes	Methods: oral examination; written survey; test control; solving situational problems; structured according to the procedure control of practical skills and abilities in accordance with the list of practical skills for each lesson.
Control of mastering the thematic section of the discipline at intermediate control classes	Methods: oral or written questioning, electronic testing, solving situational problems, control of practical skills
Final semester control (credit) at the end of the third semester	According to the regulations on the organization of the educational process in National Pirogov Memorial Medical University (link <a href="https://www.vnmdu.edu.ua/General%20information%20-%20Basic%20documents">https://www.vnmdu.edu.ua/General information / Basic documents</a> )
Final control of the discipline - differentiated credit	Methods: oral examination (according to the regulations on the organization of the educational process in National Pirogov Memorial Medical University (link <a href="https://www.vnmdu.edu.ua/General%20information%20-%20Basic%20documents">https://www.vnmdu.edu.ua/General information / Basic documents</a> ))
Tools for diagnosing learning success	Theoretical questions, tests, clinically-oriented situational tasks, practical tasks, demonstration of practical skills.

## 6. Evaluation criteria

Assessment of knowledge is carried out in accordance with the Regulations on the organization of the educational process in National Pirogov Memorial Medical University (link [https://www.vnmdu.edu.ua/General information / Basic documents](https://www.vnmdu.edu.ua/General%20information%20-%20Basic%20documents))

Current control	According to the four-point system of traditional grades: 5 “excellent”, 4 “good”, 3 “satisfactory”, 2 “unsatisfactory”
Intermediate separation controls	According to the four-point system of traditional evaluations
Control of practical skills	According to the four-point system of traditional evaluations
Credit	On a 200-point scale (arithmetic mean for the semester is converted into points) Credited: from 122 to 200 points Not credited: less than 122 points (see Evaluation Scale)
Final control of the discipline	Score for differentiated credit: 71-80 points – “excellent” 61-70 points – “good” 50-60 points – “satisfactory” Less than 50 points – “unsatisfactory” / did not pass
Discipline assessment	Current performance – from 72 to 120 points (conversion of the average traditional grade for practical classes on a 120-point scale): 60% of the grade for the discipline Final control – from 50 to 80 points: 40% of the grade for the discipline Individual work – from 6 to 12 points A total from 122 to 200 points.

### Rating scale: national and ECTS

The sum of points for all types of educational activities	ECTS assessment	Score on a national scale	
		for exam, course project (work), practice	for credit
180-200	A	excellent	credited
170-179,99	B	good	
160-169,99	C		
141-159,99	D	satisfactory	
122-140,99	E	satisfactory	
0-121,99	FX	unsatisfactory with the possibility of reassembly	not credited with the possibility of re-assembly
	F	unsatisfactory with compulsory re-study of the discipline	not credited with compulsory re-study of the discipline

## 7. Discipline policy

The student has the right to receive quality educational services, access to modern scientific and educational information, qualified counseling during the study of the discipline and the acquisition of practical skills. The policy of the department during the provision of educational services is student-centered, based on the regulations of the Ministry of Education and the Ministry of Health of Ukraine, the university charter and the procedure for providing educational services, regulated by the main provisions of the educational process in National Pirogov Memorial Medical University and the principles of academic integrity.

### Observance of National Pirogov Memorial Medical University, Vinnytsya regulations, safety measures at practical classes

**Requirements for preparation for practical classes.** The student must arrive on time for a practical lesson, theoretically prepared according to the topic. Form of clothing: medical gown, changeable shoes, mask, gloves. Adhere to ethical norms and tolerance when discussing the topic of the lesson. Follow the rules of safety and ergonomics when practicing practical skills.

**Use of mobile phones and other electronic devices.** The use of mobile phones during classes is prohibited (except for emergencies to call for help). It is allowed to use the following electronic devices: equipment for multimedia presentation of material, devices for practicing practical skills.

**Academic integrity.** During the study of the discipline the student must be guided by the Code of Academic Integrity of National Pirogov Memorial Medical University (<https://www.vnmu.edu.ua/general-information/Basic-documents/Code-of-Academic-Integrity>). In case of violation of academic integrity (write-off, use of mobile phone during knowledge assessment, etc.) during the

current and final tests, the student receives a grade of “2” and must work it out to his teacher in the prescribed manner within two weeks after unsatisfactory grade.

**Missed classes.** Missed classes are practiced in the manner prescribed by the Regulations on the organization of the educational process in National Pirogov Memorial Medical University (link <https://www.vnmu.edu.ua/> General information / Basic documents) at the time specified in the schedule of work (published on the website of the department <https://www.vnmu.edu.ua/кафедра-терапевтичної-стоматології> to duty teacher. In order to complete the missed lesson, the student must answer theoretical questions and perform practical tasks on the missed topic. To complete the lecture, the student must make a short summary of the missed topic, navigate the topic and be ready for discussion / answer to questions on the subject of the lecture.

**The procedure for admission to the final control** of the discipline is given in the Regulations on the organization of the educational process in NPMMU (link <https://www.vnmu.edu.ua/> General information / Basic documents). Students who have not missed unfinished practical classes and lectures and received an average traditional grade of at least "3" are admitted to the final control.

**Additional individual points.** Individual points in the discipline (from 6 to 12) the student can get for individual work, the amount of which is published on the website of the department in educational materials of the discipline, the number of points is determined by the results of IRS according to the Regulations on the organization of educational process in National Pirogov Memorial Medical University (link <https://www.vnmu.edu.ua/> General information / Basic documents).

**Conflict resolution.** In the event of misunderstandings and complaints to the teacher due to the quality of educational services, assessment of knowledge and other conflict situations, the student must first report their claims to the teacher. If the conflict issue is not resolved, the student has the right to submit an appeal to the head of the department in accordance with the Regulations on the consideration of appeals of applicants for higher education in National Pirogov Memorial Medical University (<https://www.vnmu.edu.ua/> General information / Basic documents).

**Politics in terms of distance learning.** The procedure for distance learning is regulated by the Regulations on the introduction of elements of distance learning in National Pirogov Memorial Medical University (<https://www.vnmu.edu.ua/> General information / Basic documents). The main training platforms for training are Microsoft Team, Google Meets. The procedure for performing practical classes and lectures, exercises and consultations during distance learning is published on the website of the department (<https://www.vnmu.edu.ua/> Department of Therapeutic Dentistry / Student or <https://www.vnmu.edu.ua/> Department of Therapeutic Dentistry / News).

**Feedback** from the teacher is via messengers (Viber, Telegram, WhatsApp) or e-mail (at the teacher's choice) during business hours.

## 1. Training resources

Educational and methodological support of the discipline is published on the website of the department (<https://www.vnmu.edu.ua/kafedra-terapevtychnoi-stomatologii> / Student). Consultations are held twice a week according to the consultation schedule.

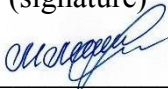
2. The schedule and distribution of groups by teachers is published on the web page of the department (<https://www.vnmu.edu.ua/kafedra-terapevtychnoi-stomatologii/> Student).

3. Questions to the intermediate and final controls of the discipline are published on the web page of the department (<https://www.vnmu.edu.ua/kafedra-terapevtychnoi-stomatologii/> Student)

The syllabus on the subject “Propaedeutics of Therapeutic Dentistry” was discussed and approved at the meeting of the department of Therapeutic Dentistry (protocol №1, from “26” August 2024 year).

Responsible for the course  Ass. Prof. of HEI Nataliia GADZHULA

(signature)

Head of the Department  Prof. of HEI Mariia SHINKARUK-DYKOVYTSKA  
(signature)