

DANYLO HALYTSKY LVIV NATIONAL MEDICAL UNIVERSITY

Department of Therapeutic Dentistry



**SYLLABUS  
of the subject**

SD 1.57.

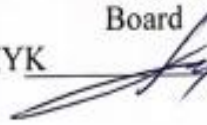
**" CURRENT PROBLEMS OF DISEASES OF THE MUCOUS MEMBRANE  
OF THE ORAL CAVITY"**

**Second (master's) level of higher education  
Field of Knowledge 22 "Healthcare"  
Specialty 221 "Dentistry"  
Faculty, year: Dentistry, 4<sup>th</sup> year**

Discussed and approved at the  
Methodical Meeting of the Department of  
Therapeutic Dentistry  
Minutes No. 4, dated 16 April 2024  
Head of the Department  
Prof. Volodymyr ZUBACHYK



Certified by the Specialized Scientific and  
Methodical Board for Dental Subjects  
Minutes No. 3, dated 17 April 2024  
Chair of the Profile Methodical  
Board  
Prof. Volodymyr ZUBACHYK



The syllabus of the subject «Current problems of diseases of the mucous membrane of the oral cavity» is developed at the Department of Therapeutic Dentistry of Danylo Halytsky Lviv National Medical University for the 4<sup>st</sup> year students of the Dentistry Faculty in the Specialty 221 Dentistry.

The syllabus is discussed and approved at the Methodical Meeting of the Department of Therapeutic Dentistry (Minutes No. 4 dated 16 April 2024) and certified by the Specialized Scientific and Methodical Board for Dental Subjects (Minutes No. 3 dated 17 April 2024)

**Changes and additions to the syllabus in the 2023-2024 academic year:**

<b>№</b>	<b>Content of changes (additions)</b>	<b>Minutes of the meeting of the Department, date</b>	<b>Notes</b>

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*Signature*

## INTRODUCTION

### Program of study of academic discipline

Discipline of choice «Current problems of diseases of the mucous membrane of the oral cavity».

In accordance with the Standard of Higher Education of Ukraine of the second (master's) level

Field of knowledge - 22 "Health"

Specialty - 221 "Dentistry"

Master of Dentistry educational program

### Description of the discipline (abstract)

Therapeutic Dentistry – a discipline whose methods are aimed at maintaining of the dental health of teeth, organs and tissues of the human oral cavity, restoration of their anatomical form and physiological function, prevention of dental diseases by therapeutic methods. In accordance with the sample curriculum for the training of specialists of the second (master's) level of higher education in the specialty 221 "Dentistry", the study of the elective subject - Current problems of diseases of the mucous membrane of the oral cavity is carried out by students in the IV year of study in the 8th semester.

The structure of the academic discipline	The number of credits and hours			Year of study Semester	Type of control	
	Total	Lecture classes				Out of class work
		Lectures (hours)	Practical training (hours)			
<b>Academic discipline:</b> <u>Discipline of choice «Current problems of diseases of the mucous membrane of the oral cavity».</u>	2 credits /60 hours	-	30	30	IV year of study, 8 semester	credit

**The subjects of study of the academic discipline are** etiology, pathogenesis, clinical manifestations of oral mucosa diseases, methods of their treatment, as well as national and individual preventive measures to prevent the most common diseases of the mucous membrane of the oral cavity.

**Interdisciplinary connections:** Study of a discipline of choice «Current problems of diseases of the mucous membrane of the oral cavity» is based on previously acquired knowledge of students of human anatomy, histology, cytology and embryology, pathological anatomy, biological chemistry, microbiology, virology and immunology, pathomorphology, pathophysiology, pharmacology, internal medicine, dermatology, propaedeutics of therapeutic dentistry and integrates with these disciplines.

### 1. The purpose and objectives of the course

**1.1. The purpose** of teaching an educational discipline of choice «Current problems of diseases of the mucous membrane of the oral cavity» is training of a dentist capability of diagnosing and treating of dental diseases.

**1.2. The main objectives** of the course «Current problems of diseases of the mucous membrane of the oral cavity» are abilities to conduct the examination of the dental patient, to study the main syndromes and symptoms, to formulate the initial diagnosis, the ability to analyse the results of patient examination and conduct a differential diagnosis, to make a final diagnosis of the main diseases, determine the nature of treatment in the clinic of therapeutic dentistry, identify different clinical variants and complications of the most widespread diseases, conduct medical examination of patients.

**1.3 Competences and learning outcomes**, the formation of which is facilitated by the discipline (relationship with the normative content of training of higher education, formulated in terms of learning outcomes in the Standard)

According to the requirements of the Standard, the practice «Current problems of diseases of the mucous membrane of the oral cavity» provides students with the acquisition of *competencies*:

Integral: The 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.

### **General:**

1. Ability to abstract thinking, analysis and synthesis;
2. Knowledge and understanding of the subject area and understanding of the profession.
3. Ability to apply knowledge in practical situations.
4. Ability to communicate in the state language both orally and in writing
5. Ability to communicate in English language.
6. Skills in the use of information and communication technologies.
7. Ability to search, process and analyze information from various sources.
8. Ability to adapt and act in a new situation;
9. Ability to identify, pose and solve problems.
10. The ability to be critical and self-critical.
11. Ability to work in a team.
12. The desire to preserve the environment.
13. The ability to act socially responsible and consciously.
14. The ability to realize one's rights and responsibilities as a member of society, to realize the value of a civil (free democratic) society and the need for its sustainable development, the rights of supremacy, the rights and freedoms of a person and a citizen in Ukraine.
15. The ability to preserve and multiply moral, cultural, scientific values and achievements of society based on an understanding of the history and patterns of development of the subject area, its place in  
the general system of knowledge about nature and society and in the development of society, technology and technologies, to use various types and forms of activities for active recreation and leading a healthy lifestyle

### **Professional:**

1. Ability to collect medical information about the patient and analyze clinical data.
2. Ability to interpret the results of laboratory and instrumental research
3. Ability to diagnose: determine preliminary, clinical, final, accompanying diagnosis, emergency conditions.
4. Ability to plan and carry out measures for the prevention of diseases of the organs and tissues of the oral cavity and maxillofacial region.
5. The 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

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 concomitant 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 state of health of the population (individual, family, population).
14. Ability to maintain normative 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 MFS
17. The ability to legally support one's own professional activity.
18. Ability to provide pre-medical care according to the protocols of tactical medicine.

	GC1	GC 2	GC 3	GC 4	GC 5	GC 6	GC 7	GC 8	GC 9	GC 10	GC 11	GC 12	GC 13	GC 14	GC 15
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	PC1	PC 2	PC 3	PC 4	PC 5	PC 6	PC 7	PC 8	PC 9	PC 10	PC 11	PC 12	PC 13	PC 14	PC 15	PC 17	PC 18
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### Matrix of competencies

№	Competence	Knowledge	Skills	Communication	Autonomy and responsibility
1.	Ability to abstract thinking, analysis and synthesis;	Know the current trends in the industry and the indicators that characterize them .	Be able to analyze professional information, to make informed decisions and acquire modern knowledges	Establish appropriate communication links to achieve goals.	Be responsible for the timely acquisition of modern knowledge.
2.	Knowledge and understanding of the subject area and understanding of the profession.	Know the features of the professional activity of a dentist.	Be able to carry out professional activities that require updating and integration of knowledge.	To form the communication strategy in professional activity.	Be responsible for continuous professional development with a high level of autonomy.
3.	Ability to apply knowledge in the practical	Know the methods of implementing	Be able to use professional knowledge to	Establish links with the subjects of practical	Be responsible for the validity of decisions.

	situations.	knowledge to solve practical problems	solve practical problems.	activities.	
<b>4.</b>	Ability to communicate in the state language both orally and in writing. Ability to communicate in another language.	Know the state language, including professional terms. Know a foreign language at a level sufficient for professional communication.	Be able to use the state language and a foreign language for the professional activities and communication.	Use language skills in the professional dentist activities.	Be responsible for the continuous improvement of knowledge of state and foreign languages.
<b>5.</b>	Ability to communicate in English	To have the level of English language sufficient for the professional communication	Be able to use the English language for professional activities and communication	Form a communication strategy in professional activities	Be responsible for the continuous development of professional attainments and skills
<b>6.</b>	Skills in the use of information and communication technologies.	Have modern knowledge in the field of information and communication technologies used in the professional activities.	Be able to use information and communication technologies in the professional field, which requires updating and integration of knowledge.	Use information technologies in professional activities	Be responsible for the continuous development of professional knowledge and skills
<b>7.</b>	Ability to search, process and analyze information from the various sources.	Have the necessary knowledge in the field of information technologies used in the professional activities	Be able to use the algorithm of search, processing and analysis of information from various sources	Use information technologies in professional activities	Be responsible for continuous development of professional knowledge and skills
<b>8.</b>	Ability to adapt and act in a new situations;	Know different ways to implement knowledge in practical solutions	Be able to use professional knowledge to adapt and act in a new situations.	Establish links with the subjects of practical activities.	Be responsible for the quality of professional tasks in the new situation.
<b>9.</b>	Ability to identify, set and solve problems.	Know how to implement the knowledge in identifying	To be able to use professional knowledge to identify, pose and solve problems of the professional	To establish relations with subjects of practical activity in order to identify, pose and solve	To be responsible for the validity of the decisions made regarding the resolution of problems of

		, formulating and solving the problems of the professional activities	activity	problems of professional activity	professional activity
<b>10</b>	The ability to be critical and self-critical.	Know the methods of knowledge implementation in choosing a communication strategy with patients and colleagues	To be able to use knowledge to choose a communication strategy with patients and colleagues	Form a communication strategy in professional activities	Be responsible for continuous professional development with a high level of autonomy
<b>11</b>	Ability to work in a team	Know the ways of collective interaction while working in a team	To be able to use knowledge to choose a communication strategy during collective interaction	Form a communication strategy in professional activities	Be responsible for continuous professional development
<b>12</b>	The desire to preserve the environment	Ability to assess the condition of the environment	Be able to analyze environmental quality indicators	To ensure high-quality performance of professional tasks in conditions of environmental protection	To bear personal responsibility for compliance with environmental protection rules when performing professional tasks
<b>13</b>	The ability to act socially responsible and civically	Know your social and public rights and responsibilities	To form one's civic consciousness, to be able to act in accordance with it	The ability to convey one's public and social position	To bear responsibility for one's public position and activities
<b>14</b>	The ability to realize one's rights and responsibilities as a member of society, to be aware of the values of a civil (free democratic) society and the need for its sustainable development, the rule of law, the rights and	Know your social and civil rights and responsibilities	To form one's civic consciousness, to be able to act in accordance with it	The ability to convey one's public and social position	To bear responsibility for one's public position and activities

	freedoms of a person and citizens in Ukraine				
<b>15</b>	The ability to preserve and multiply moral, cultural, scientific values and achievements of society based on an understanding of the history and patterns of development of the subject area, its place in the general system of knowledge about nature and society and in the development of society, technology and technologies, to use various types and forms of motor activity for active recreation and leading a healthy lifestyle	The ability to assess the state of the moral and cultural environment, the state of nature in the development of society	To be able to analyze indicators of the quality of the surrounding, cultural environment	To ensure high-quality performance of professional tasks in conditions of the environmental preservation in the general system of knowledge about the society	To bear personal responsibility for compliance with environmental protection rules when performing professional tasks

	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
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Program learning outcomes determined by the standard of higher education of the specialty:



1. Be able to distinguish and identify the leading clinical symptoms and syndromes (according to list 1); according to the standard methods, using previous data of the patient's history, data obtained during the examination of the patient, knowledge about the person, his organs and systems, establish a probable nosological or syndromic preliminary clinical diagnosis of dental disease (according to list 2).
2. Collect information about the patient's general condition, evaluate the patient's psychomotor and physical development, the condition of the maxillofacial organs, based on the results of laboratory and instrumental studies, evaluate information about the diagnosis (according to list 5).
3. Assign and analyze additional (mandatory and optional) examination methods (laboratory, X-ray, functional and/or instrumental) according to the list 5, patients with diseases of the organs and tissues of the oral cavity and maxillofacial area for differential diagnosis of diseases (according to list 2).
4. 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 of differential diagnosis under the control of the supervising doctor in the medical institution (according to list 2.1).
5. Be able to diagnose the emergency conditions under the different circumstances (at home, on the street, in a medical facility), in conditions of emergency, martial law, lack of information and limited time (according to list 4).
6. Be able to plan and implement the prevention measures of dental diseases among the population to prevent the spread of dental diseases.
7. Analyze the epidemiological situation and carry out general and individual, general and local drug and non-drug prevention measures of dental diseases.
8. Determine the approach, plan, type and principle of treatment of dental diseases (according to list 2) by making a reasoned decision according to existing algorithms and standard schemes.
9. Determine the regime of work, rest and the necessary diet in the treatment of dental diseases (according to list 2) based on the preliminary or final clinical diagnosis by making a reasoned decision according to existing algorithms and standard schemes.
10. Be able to determine the management tactics of a dental patient with the somatic pathology (according to list 3) by making a reasoned decision according to the existing algorithms and standard schemes.
11. Carry out the treatment of basic dental diseases according to the existing algorithms and standard schemes under the supervision of a supervising doctor in the medical institution (according to list 2.1).
12. To organize the medical and evacuation measures among the population, military personnel, in the emergency situations, including martial law, during the expanded stages of the medical evacuation, taking into account the existing system of medical evacuation support.
13. Determine the tactics of providing the emergency medical care, using the recommended algorithms, under different circumstances, based on the diagnosis of an emergency condition in the limited time (according to list 4).
14. Analyze and evaluate the government, social and medical information using the standard approaches and computer information technologies.
15. Be able to evaluate the impact of the environment on the health of the population in the medical institution according to standard methods.
16. To form goals and to determine the structure of personal activity based on the result of the analysis of certain social and personal needs.
17. Follow a healthy lifestyle, use the self-regulation and self-control techniques.
18. To be aware of and to be guided in one's activities by civil rights, freedoms and duties, to raise the general educational cultural level.
19. Follow the requirements of ethics, bioethics and deontology in the professional activity.
20. To organize the necessary level of individual security (personal and a person who is cared for) in case of typical dangerous situations in the individual field of activity.
21. Perform medical manipulations based on preliminary and/or final clinical diagnosis (according to lists 2, 2.1) for different population groups and in different conditions (according to list 6).
22. Perform the dental manipulations based on the preliminary and/or final clinical diagnosis (according to lists 2, 2.1) for different population groups and in different conditions (according to list 7).

23. Perform manipulations for providing emergency medical care using standard schemes, in the different circumstances based on the diagnosis of an emergency condition (according to list 4) in conditions of limited time (according to list 6,7).

Detailing of competences in accordance with the NQF descriptors in the form of the  
"Matrix of Competences"

Integral competence: the ability to solve complex tasks and problems in the field of health care in the specialty "Dentistry" in the process of education and professional activity

Special competences:

1.	Collection of medical information about the patient's condition	Principles and sequence of examination of patient with diseases of the mucous membrane of the oral cavity.	Assess the general, psychomotor and physical development of the patient, the state of the maxillofacial organs. To analyze the necessity of prescribing certain methods of examination of patient, their informativeness and significance in the diagnosis of diseases of the mucous membrane of the oral cavity. Assess the condition of teeth, periodontium, organs and mucous membrane of the oral cavity and changes in them. Interpret the results of the main clinical and additional examination methods for the various diseases of the mucous membrane of the oral cavity.	Demonstrate mastery of the moral and deontological principles of a medical specialist and the principles of professional subordination in the clinic of therapeutic dentistry when communicating with the patient, the patient's relatives, colleagues.	Be responsible for the compliance with the principles of patient examination.
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2.	Evaluation of the results of laboratory and instrumental examinations (according to list 5)*	<p>Biochemical composition of saliva, oral fluid, their biophysical properties. The essence, the technique of simple and advanced stomatoscopy, diascopy. Puncture technique, Schiller-Pysarev tests.</p> <p>Indications for fluorescent, diagnostic, computer tomography.</p> <p>Hygienic and periodontal indices. Normal values of basic human constants (clinical, biochemical analysis of blood, urine, etc.) and changes in them during inflammatory processes, allergic conditions, etc.</p> <p>Cytological and microbiological examination of organs and tissues of the dental and jaw apparatus, oral fluid, swabs from the otolaryngological organs, periodontium.</p>	<p>Evaluate and interpret the results of biochemical, biophysical, microbiological studies of saliva and oral fluid.</p> <p>To prescribe according to the indications and evaluate the result of luminescent, transillumination diagnostics, computer tomography, puncture, cytological examination.</p> <p>Determine the hygienic and periodontal indices, evaluate their results.</p> <p>Evaluate changes in clinical, immunological, biochemical blood, urine, etc.</p> <p>Interpret the results of cytological and histological studies in case of various pathological conditions.</p>	<p>Be able to reasonably explain changes in the condition of the mucous membrane of the oral cavity, saliva (oral fluid), blood, urine of the patient, with the patient's relatives, during discussions with colleagues.</p>	<p>To be responsible for the correctness and accuracy of assessment of laboratory and instrumental research methods.</p>
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3	Establishing a clinical diagnosis of the dental disease (according to list 2.1)*	Clinical manifestations (complaints, anamnesis of the disease, results of an objective examination, basic and auxiliary methods of examination) of various forms of main diseases of the mucous membrane of the oral cavity.	Highlight and identify the main clinical symptoms and syndromes (according to list 1)*. According to standard methods, using a logical analysis of previously obtained data of subjective and objective examination, additional methods, carried out differential diagnosis, establish a clinical diagnosis of dental disease. Classify diseases of the mucous membrane of the oral cavity according to the course, depth of the lesion, clinical and morphological forms.	Be able to substantiate the clinical diagnosis of a dental disease for a patient and during discussions with colleagues .	Be responsible for the probability and accuracy of diagnosis.
4	Diagnosis of emergency conditions and determination of tactics and provision of emergency medical aid	Know the clinical manifestations of the emergency conditions during the therapeutic appointment and under the any circumstances (at home, on the street, in a medical institution); tactics, algorithms for providing the emergency medical aid	Highlight and identify the main clinical symptoms of emergency conditions (according to list 4)*. Perform medical manipulations for the provision of emergency medical care, using standard schemes under any circumstances in the limited time condition. (according to list 6)*.	Analyze the causes of the patient's emergency condition at the dental appointment and under different circumstances	Be responsible for the timely diagnosis of emergency conditions and the correctness of providing the emergency medical care
5	Treatment of the main diseases of the mucous membrane of the oral cavity (according to list 2.1)*	Stages of local and general treatment of diseases of the mucous membrane of the oral cavity depending on the etiology, pathogenesis and course of the disease. Composition, properties, indications for the use of various medicines and methods of conducting physiotherapeutic procedures.	Prescribe and carry out treatment of the main dental diseases of the mucous membrane of the oral cavity according to existing algorithms and standard schemes in accordance with the list of dental manipulations (according to list 7)*	Be able to justify the choice of treatment methods for the main dental diseases, including discussions with colleagues and patient's relatives.	To be responsible for the selection and correct execution of individual dental manipulations during the treatment of major dental diseases

6	Planning and carrying out of measures for the prevention of dental diseases	Schemes of general and individual prevention of the diseases of the mucous membrane of the oral cavity	Analyze the epidemiological situation and carry out measures of general and individual, general and local drug and non-drug prevention of dental diseases	The ability to organize general and individual prevention measures for dental diseases	To be responsible for the timeliness and effectiveness of preventive measures
7	Determination of the management tactics of a dental patient with somatic pathology	Peculiarities of the course and treatment of the main dental diseases with physiological conditions and somatic diseases that requires special patient management tactics. Peculiarities of analgesia in patients with somatic pathology.	Assess the patient's condition during the pregnancy, diseases of the blood and hematopoietic organs, cardiovascular diseases, mental disorders, diseases of the respiratory system and mediastinum, endocrine, musculoskeletal system and connective tissue. Make a reasoned decision regarding the choice of method of analgesia and treatment of the main dental disease in this situation, prescription of medicines, etc.	To be able to justify the choice of methods of treatment of the main dental diseases in patients in a special physiological state and with somatic pathology, as well as during a conversation with colleagues and relatives of the patient.	To be responsible for the safety of the performed manipulations during the treatment of a dental patient in a special physiological state and with somatic pathology
8	Maintenance of medical documentation	The list of necessary medical documentation for a therapeutic appointment (in accordance with the order of the Ministry of Health No. 110 dated February 14, 2012)	Fill out the main forms of medical documentation of the therapeutic appointment: form No. 043/o "Medical card of a dental patient; No. 037/o "Dentist's daily record sheet"; No. 039-2/o "Dentist's work accounting diary.	Be able to cooperate and exchange information about the patient's condition with specialized specialists	Be responsible for the timeliness and correctness of medical documentation
9	The ability to assess the impact of environmental factors on the state of a person's dental and jaw system and health as a whole	Changes in the biochemical composition of saliva and oral fluid in cases of changes in the external environment.	To assess the influence of exogenous factors on the state of the hard tissues of teeth	Be able to explain to the patient the importance of minerals, microelements, vitamins for the proper functioning	Be responsible for mastering relevant knowledge and skills

				of the maxillofacia l apparatus as a whole.	
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\*- lists of Appendix 3 of the Standard of Higher Education of Ukraine of the second (master's) level of the field of knowledge 22 "Health care" specialty 221 "Dentistry".

### **Learning outcomes:**

Integrative final program learning results, the formation of which is facilitated by the educational discipline of choice "Current problems of diseases of the mucous membrane of the oral cavity" which is the basis for the further formation of the following program learning outcomes in accordance with the Standard of Higher Education of Ukraine for training specialists of the second (master's) level of the specialty "Dentistry".

Learning outcomes for the discipline.

Upon completion of the elective discipline "Current problems of diseases of the mucous membrane of the oral cavity", students should know:

- clinical features of the anatomical and histological structure of teeth, periodontium, mucous membrane and organs of the oral cavity;
- classification of diseases of the mucous membrane of the oral cavity;
- basic methods of examination of dental patients;
- clinical signs of diseases of the mucous membrane of the oral cavity;
- basic clinical and biochemical indicators of the norm of biological fluids of the human body;
- principles of differential diagnosis of dental diseases;
- principles and stages of treatment of dental patients;
- types, levels and measures of prevention of diseases of the mucous membrane of the oral cavity; tactics, algorithms for providing emergency medical care during the dental appointment.

### **The student should be able to:**

- collect anamnesis, subjective and objective examination of the dental patient.
- prescribe and analyze the data of laboratory, functional and/or instrumental examinations.
- carry out differential diagnosis;
- analyze the results of the patient's examination;
- detect and identify manifestations of somatic diseases in the oral cavity.
- establish a nosological or syndromic preliminary and clinical diagnosis of dental disease according to standard methods, using preliminary data of the patient's history, data of the patient's examination, knowledge about the person, his organs and systems.
- make a clinical diagnosis of the main diseases;
- carry out treatment of basic dental diseases.
- maintain a healthy lifestyle, use self-regulation and self-control techniques.

### **2. Information volume of the academic discipline**

60 hours are allocated to the study of the academic discipline - 2 ECTS credits.

### **3. The structure of the academic discipline**

<b>№</b>	<b>Topic</b>	<b>Hours</b>
1.	Structure of oral mucosa. Anatomical and physiological features of the mucous membrane of different parts of the oral cavity and their clinical role. Saliva, its composition and properties. Microorganisms of oral cavity. Protective mechanisms and factors of oral mucosa, their role in the development of oral pathology. Peculiarities of clinical examination of patients with oral mucosa pathology. Primary and secondary morphological elements of oral mucosa damage. Special and laboratory methods of examination. Medical documentation.	5



2.	Classification of oral mucosa pathology. Mechanical and Chemical injury of oral mucosa. Leukoplakia. Physical injuries of oral mucosa. Galvanic stomatitis. Clinical manifestations, diagnosis and treatment. Viral infections in oral mucosa. Independent and symptomatic viral diseases of oral mucosa. Clinical manifestations, diagnosis and treatment.	5
3.	Bacterial diseases with alteration of oral mucosa. Classification, etiology, pathogenesis, clinical manifestations, differential diagnosis, treatment.	5
4.	General characteristic of allergic reactions. Reactions of immediate hypersensitivity and delayed hypersensitivity. Clinical manifestations, diagnosis and treatment. Oral manifestations of immune-mediated dermatologic diseases. Pemphigus, pemphigoid. Lichen planus. Lupus erythematosus. Clinical manifestations, diagnosis and treatment.	5
5.	Diseases of the lips. Classification, etiology, pathogenesis, clinical manifestations, differential diagnosis, treatment. Tongue diseases. Neurological tongue diseases. Classification, etiology, pathogenesis, clinical manifestations, differential diagnosis, treatment.	5
6.	Diseases of the mucous membrane of the oral cavity with pathology of the digestive, endocrine, cardiovascular and blood systems. Pre-malignancy of oral mucosa and cancer of the mucous membrane and red rim of the lips	5
<b>Total number of hours</b>		<b>30</b>

### TYPES OF INDEPENDENT STUDENT'S WORK

№	Topic	Hours	Type of control
1.	Preparation for practical lessons: theoretical and practical training, medical history report.	10	Control at practical lessons
2.	Preparation for the knowledge control, theoretical and practical training	6	
3.	Working-out of practical topics not included in the practical classes:		Control at practical lessons
3.1.	Chronic ulcerative stomatitis. Etiology, pathogenesis, clinical manifestations, differential diagnosis, treatment and prevention.	2	
3.2.	Diphtheria. Etiology, pathogenesis, clinical manifestations, differential diagnosis, treatment and prevention.	2	
3.3.	Lesions of the mucous membrane of the oral cavity during the radiation sickness.	2	
3.4.	Providing of emergency care in case of hypertensive crisis, collapse, fainting. Action algorithms.	2	
3.5.	Mistakes and complications during the diagnosis and treatment of the diseases of oral mucosa.	2	
3.6.	The use of physical methods in complex treatment of oral mucosa.	2	
3.7.	Peculiarities of hygienic care of the oral cavity.	2	
<b>Total</b>		<b>30</b>	

### 9. Individual tasks

1. Creation of educational videos:

- diagnosis and treatment of diseases of oral mucosa;

- methods of examination, diagnosis and treatment of patient;
- differential diagnosis of the main dental diseases in the clinic of therapeutic dentistry.

2. Production of educational stands.

2. Preparation of scientific student papers and reports at scientific student conferences.

2. Participation in professional student Olympiads in the discipline.

2. Participation in competitions of professional skills.

## **10. Tasks for the students independent work**

1. Clinical histology of the mucous membrane of the gums.
2. Clinical histology of the epithelium of the mucous membrane of the gums.
3. Clinical histology of the connective tissue of the gums.
4. The structure of the dentoalveolar joint.
5. Clinical significance of the dentogingival junction and gingival fluid.
6. Morpho-radiological characteristics of the bone tissue of the alveolar bone.
7. Morphological characteristics of cement. Enamel-cement joint.
8. The retaining function of the periodontium. Components of chewing load according to Müller.
9. Clinical histology of periodontium.
10. Dental plaque. Formation mechanism. Functional value.
11. Gingival fluid. Formation mechanism. Functional value.
12. Microorganisms of the oral cavity. Change in microorganisms profile under the influence of external and internal factors.
13. Saliva as a biological environment of the oral cavity. Chemical composition of saliva, its change under the influence of exogenous and endogenous factors.
14. Clinical diagnosis methods of dental diseases.
15. Laboratory diagnosis methods of dental diseases
16. Chronic herpetic lesion. Etiology, pathogenesis, clinical manifestations, differential diagnosis, treatment and prevention.
17. Chronic ulcerative-necrotizing stomatitis. Etiology, pathogenesis, clinical manifestations, differential diagnosis, treatment and prevention.
18. AIDS. Modern methods of diagnostics and treatment. Tactics of a dentist.
19. Diphtheria. Etiology, pathogenesis, clinical manifestations, differential diagnosis, treatment and prevention.
20. Oral manifestations of immune-mediated dermatologic diseases. Lupus erythematosus. Treatment tactics.
21. Oral manifestations of immune-mediated dermatologic diseases. Pemphigoid.
22. Lesions of the mucous membrane of the oral cavity during the radiation sickness.
23. Mistakes and complications during the diagnosis and treatment of the diseases of oral mucosa.
24. The use of physical methods in complex treatment of oral mucosa.
25. Peculiarities of hygienic care of the oral cavity.

## **11. Teaching methods**

The following teaching methods are used during the studying of the educational discipline of choice "Current problems of diseases of the mucous membranes of the oral cavity":

- **Verbal** (lecture, explanation, story, conversation, instruction);
- **visual** (observation, illustration, demonstration);
- **practical** (training of practical skills).

- **explanatory-illustrative** or **informative-receptive**: assimilation by students of information provided by the teacher;
- **problem statement method**, which consists in the fact that the teacher poses a problem and solves it himself, demonstrating the contradictions that characterize the learning process, while the students' task is to control the sequence of presentation of the material, the materiality of the evidence, predicting the teacher's next steps; this teaching method is implemented by training students in problem situations with the aim of successful preliminary preparation for future work in the real conditions of practical medical institutions;
- **partially searchable** or **heuristic**, aimed at mastering individual elements of search activity, for example: the teacher formulates a problem, students - a hypothesis;
- **research**, the essence of which is the teacher's organization of students' search and creative activity by posing new problems and problematic tasks.

Teaching methods can also be divided into:

- methods that ensure perception and assimilation of knowledge by students (lectures, independent work, instruction, consultation);
- **methods of applying knowledge, acquiring and consolidating abilities and skills** (practical classes, control tasks, working in a clinic, conducting practice);
- methods of **checking and evaluating knowledge, abilities and skills**;
- methods of **encouragement** and **punishment**.

## 12. Control methods

The procedure for evaluating students' educational activities is regulated by the "Instructions for evaluating students' educational activities in the context of the implementation of the European credit transfer system for the organization of the educational process" (approved by the Ministry of Health of Ukraine on April 15, 2014).

Assessment of current educational activities.

*The maximum number of* points that a student can score for the current educational activity while studying the discipline is 200 points.

*The minimum number of points* a student must score for the current educational activity to enroll in the discipline 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:

$$x = \frac{CA \times 200}{5}$$

For the convenience, a calculation table is given on a 200-point scale:

## 13. Recalculation of the average grade for the current activity into a multi-point scale for disciplines ending with credit

4-point scale	200-point scale
5	200
4.97	199
4.95	198
4.92	197
4.9	196
4.87	195
4.85	194
4.82	193
4.8	192
4.77	191
4.75	190
4.72	189
4.7	188
4.67	187
4.65	186
4.62	185
4.6	184
4.57	183
4.52	181
4.5	180
4.47	179
4.45	178
4.42	177
4.4	176
4.37	175
4.35	174
4.32	173
4.3	172
4.27	171
4.24	170
4.22	169
4.19	168
4.17	167
4.14	166
4.12	165
4.09	164
4.07	163
4.04	162
4.02	161
3.99	160
3.97	159
3.94	158
3.92	157
3.89	156
3.87	155
3.84	154
3.82	153
3.79	152
3.77	151

3.74	150
3.72	149
3.7	148
3.67	147
3.65	146
3.62	145
3.57	143
3.55	142
3.52	141
3.5	140
3.47	139
3.45	138
3.42	137
3.4	136
3.37	135
3.35	134
3.32	133
3.3	132
3.27	131
3.25	130
3.22	129
3.2	128
3.17	127
3.15	126
3.12	125
3.1	124
3.07	123
3.02	121
3	120
Less than 3	Not enough

#### **14. Determining the number of points that the student scored in the discipline.**

The assessment of subjects, the form of final control of which is credit, is based on the results of the current educational activity and is expressed on a two-point scale "passed" or "failed". In order to enroll, a student must receive a score of at least 60% of the maximum number of points in the discipline (120 points) for the current educational activity. Points from the discipline are independently converted both to the ECTS scale and to the 4-point scale. Points from the ECTS scale are not converted into a 4-point scale and vice versa. Points of students studying in one specialty, taking into account the number of points scored in the discipline, are ranked on the ECTS scale as follows:

Evaluation of the ECTS	Statistical indicator
A	Top 10% of students
B	Next 25% of students
C	Incoming 30% of students
D	Incoming 25% of students
E	Remaining 10% of students

Discipline points for students who have successfully completed the program are converted to a traditional 4-point scale according to the absolute criteria, which are listed below in the table:

<b>Discipline points</b>	<b>Evaluation on a 4-point scale</b>
From 170 to 200 points	5
From 140 to 169 points	4
From 139 points to the minimum number of points the student must score	3
Below the minimum number of points the student must score	2

The ECTS grade is not converted to the traditional scale, as the ECTS scale and the four-point scale are independent.

The objectivity of the evaluation of students' educational activity is checked by statistical methods (correlation coefficient between the ECTS grade and the grade on the national scale).

### **15. Methodological support**

1. Curriculum of the discipline;
2. Handbooks for students on studying the discipline;
3. Methodological materials to ensure students' self-study;
4. Methodological guidelines, theses, texts, multimedia presentations of lectures on the discipline;
5. Methodological guidelines for independent work of students in practical classes, including material for theoretical training and indicative maps for mastering professional skills and abilities, tests for self-control according to the topics of practical classes. Instructional materials for extracurricular independent work on topics assigned for independent study.
6. The list of theoretical topics and tasks for testing of practical skills during the summary module control.
7. Guidelines and Methodological materials for the teacher;

### **16. Recommended literature:**

1. Диспансеризація стоматологічних хворих з хронічними захворюваннями порожнини рота, червоної облямівки губ та передпухлинними процесами: навч. посібник для студентів і лікарів-інтернів вищих мед. закладів освіти III-IV рівнів акредитації, інтернів, лікарів-стоматологів/ Т.П. Кравець, М.М. Гордіюк, Г.Г. Бойко. – Кривий Ріг, 2003.
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3. Запорожан В.М., Аряєв М.Л., ВІЛ-інфекція і СНІД. – К., 2004.
4. Захворювання слизової оболонки порожнини рота: навч. посібник для викладачів, студентів, лікарів-інтернів, субординаторів, практик. лікарів-стоматологів /Н.В. Петраш, А.І. Семенів, Ю.І. Петраш. – Львів: ЗУКЦ, 2001.
5. Т. Петрушанко, А. Ніколішин, Н. Іленко, Е. Ніколішина, І. Іваницький. Виробнича практика з терапевтичної стоматології для студентів. – Київ: Центр навч. Літератури, 2018. –

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6. Петраш Н.В. Захворювання слизової оболонки порожнини рота.– Львів.– 2001.

7.Поспішіль Ю.О., Вовк В.І. Патологічна анатомія стоматологічних хвороб: навч. посібник для студентів стомат. ф-тів вищих мед. навч. закладів IV рівня акредитації.– Львів: Компакт-ЛВ, 2005.

8.Соціально значимі інфекції в стоматології: навч. посібник для студентів стомат. ф-тів вищих навч. мед. закладів IV рівнів акредитації /І. Готь, О. Адамович, О. Масна-Чала; наук. ред. З. Масний.– Львів: Компакт-ЛВ, 2005.

9.Терапевтична стоматологія: Захворювання слизової оболонки порожнини рота т.4 / М.Ф. Данилевський, А.В. Борисенко, О.Ф. Несин – 2021р.- 640с.

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### **Additional:**

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3. *Ніколишин А.К. Терапевтична стоматологія / А.К. Ніколишин: підручник для студентів стоматологічних факультетів вищих медичних навчальних закладів IV рівня акредитації у двох томах, Т.І; – Полтава: Дивосвіт, 2005.– 392 с*
4. Терапевтическая стоматология / Под ред. проф. Л.А. Дмитриевой.– М.: „Медпресс-информ”, 2003.– С. 627-632.
5. Терапевтична стоматологія / За ред. проф. А.К. Ніколішина.– Вінниця: Нова Книга, 2012.– С. 379-427.

### **Information resources**

- Official website of Danylo Halatsky Lviv National Medical University: <http://www.meduniv.lviv.ua/>
  - Electronic information resources University Library:
    - Library Catalogue.
    - Directory Information sources: encyclopedias, reference books, dictionaries.
    - Educational electronic publications and resources: Materials containing organic material within the framework of the. course.

2. Information on the Web:

- <http://bookmed.by/stomatologiya/propedevtika-stomatologicheskikh-zabolevanij-skorikova-l-a.html>
- <http://www.library.gov.ua/novi-nadkhodzhennia/stomatolohiia-eds-m-m-rozhok-liber-2/802-stomatolohiia-eds-m-m-rozhok-liber-2>
- [http://stom.at.ua/load/ehlektronnye\\_knigi/terapevticheskaja\\_stomatologija/5](http://stom.at.ua/load/ehlektronnye_knigi/terapevticheskaja_stomatologija/5)