

DEN 5002 Therapeutic Dentistry VII
(Diseases & Infections of oral mucosa)

Course title	Code	Semester	Type of course	Course structure and volume (hours)			ECTS
Therapeutic Dentistry VII Diseases and Infections of Oral mucosa	DEN 5002	X	Mandatory	LECTURE	34	120	4
				Seminar	26		
				Teaching in Simulation Environment (TSE)			
				Teaching in Clinical Environment (TCE)	8		
				Midterm Exam	1		
				FINAL EXAM	2		
				INDEPENDENT WORK	49		
Faculty, the educational program and level of education	School of Dental Medicine, One cycle (5-year duration) Higher Educational Program “Dentistry”						
Staff	<p>Tamta Chikobava, Assistant E-mail: tamta.chikobava@bauinternational.edu.ge</p> <p>Nino Tebidze, Assistant Professor E-mail: nino.tebidze@bauinternational.edu.ge</p> <p>Eter Bukhnikashvili, Invited teacher E-mail: eter.bukhnikashvili@bauinternational.edu.ge</p> <p>Personal one-to-one consultation can be arranged at an agreed date and time</p>						
Duration	17 weeks						
Prerequisite	DEN 5001 - Therapeutic Dentistry VI (Clinical Periodontology)						
Aim	The aim of the course is to provide advanced knowledge about etiology, pathogenesis and clinical manifestation of oral mucosa diseases, methods of examination, diagnosis and treatment.						

- | | |
|--|---|
| | <ul style="list-style-type: none">• Interactive Lectures; |
|--|---|

Methods of Teaching/Learning

- Seminars;
- CBL;
- TCE

Assessment System

Attendance - student is obliged to attend 70% of the total number of the learning course

The knowledge of the student is evaluated by 100 point-based evaluation system out of which 40 points are allocated for the current activity assessment, 20 for midterm exam and 40 points for the final exam.

1. Current activity - 40 points, including the following:

- Discussion – 3x5=15 points;
- CBL - 2x10=20 points;
- Mini - CEX – 5 points;

Discussion assessment criteria (5 points)

1. Argumentativeness of represented factual material -1 scores;
2. Complexity of represented factual material -1 scores;
3. Discussion activity – 1 scores;
4. Debating and listening culture - 1 scores;
5. Keeping within the time-limit – 1 scores.

Clinical Case assessment criteria (10 points):

Assessment criteria

1. Ability of case interpretation - 2 points;
2. Ability of using additional sources - 2 points;
3. Ability of applying theoretical knowledge - 2 points;
4. Ability of correlating normal and pathological conditions - 2 points;
5. Ability of drawing conclusions – 2 points.

In full compliance (2 points)	Partially compliant (1 point)	Not compliant (point)
--------------------------------	--------------------------------	------------------------

Threshold-50% A minimum score of 5 out of 10 points is required prior to the final examination

Mini - CEX assessment criteria - 5 points

Student will perform the following practical assignments during the rotation:

1. Collecting anamnesis, and data registration- 1 point.
2. Performing physical examination (including swabs)- 1 point.
3. Reading and identification of instrumental examination- 1 point.
4. Reading and identification of laboratory tests- 1 point.
5. Defining diagnosis/differential diagnosis and the treatment plan-1 point.

Poor (0 points)	Fair (0 .5 points)	Competent (1 point)
------------------	---------------------	----------------------

Threshold-50% A minimum score of 2.5 out of 5 points is

required prior to the final examination

2. Midterm Exam - 20 points;

The exam is conducted in a test-based form (Multiple Choice Questions - MCQ). The test includes 50 questions and the maximal value of each is 0.4 points. The highest possible score is 20.

3. Final Exam - 40 points

Final Exam is conducted in a combined way:

- Test-based form (MCQ -50 tests with 0.4 point) for each question.
- Oral form (4 topics / clinical cases, each scored at maximum 5 points).

MCQ Test Assessment:

The test includes 50 questions and the maximal value of each is 0.4 points. The highest possible score is 20.

Oral Exam assessment criteria (5 points)

5 points - The answer is comprehensive. Student's thinking ability is clearly visible. The topic is precisely and fully presented. The terminology is duly used. The student masters the material regarded by the course on a proper level. He/she has fully and profoundly learnt main literature.

4 points - The student answers all questions, but independent thinking ability is not clearly visible. The terminology is correctly used. No major errors can be found. The student masters the material regarded by the course on a proper level. He/she has learnt the main literature.

3 points - The answer is incomplete. The topic is presented on satisfactory level but it lacks the thinking ability and is rather based on memorizing. The terminology is scarcely used. The student masters the material regarded by the course but a few errors can be detected.

2 points - The answer is incomplete. The terminology is incompletely used. The material is partially presented. The student masters the main literature on insufficient level. A few major errors can be detected.

1 point - Student's answer is not complete. The terminology is not used or is used in a wrong way. The answer is mainly erroneous. The topic is presented in a fragmented fashion.

0 points - The answer does not correspond to the question or it is not presented at all.

Prerequisite for Final Exam are:

- Prerequisite for Final Exam is the situation when at least 50 % of the current assessment level is achieved.
- 70% of the Subject hours should be attended.

The exam is considered being passed by the student if he/she receives 50% or more out of the highest evaluation for the exam ($40 \times 50 / 100 = 20$ points). When the total evaluation of the student (current evaluation + midterm exam evaluations + final exam evaluation) is more than 40 but less than 51 points, even though the exam grade threshold is passed, the learning course is considered not being covered and the student is given the right to exam retake during the additional examination period.

If the final evaluation for the learning course, after taking the additional exam, (current evaluation + midterm exam evaluation + final exam evaluation) is less than 51%, the learning course is not considered covered and it must be taken again.

In summary, the student is awarded the credit in case he/she accumulates minimum 51% out of 100%

Positive scores:

- (A) Excellent- 91 or more points;
- (B) Very Good- 81-90 points;
- (C) Good- 71-80 points;
- (D) Satisfactory- 61-70 points;
- (E) Enough- 51-60 points;

The core literature	<p>Negative scores:</p> <ul style="list-style-type: none"> • (FX) Failure - 41-50 points: the student needs more independent work and is granted a single attempt of exam retake; • (F) Fail - 40 points or less: the student's conducted work is not sufficient and needs to take the course again. <p>After the results of final exams are available, students with FX assessment have a right to retake an exam during an additional exam week in the same semester.</p> <p>An interval between a final and a corresponding additional exam must be at least 5 days after the results of a final exam become available</p> <p>1. Oral and Maxillofacial Pathology, 2023 5th Edition</p>
The auxiliary literature	<p>2. Color Atlas of Oral Diseases. George Laskaris, D.D.S., M.D. 2nd edition, Georg Thieme Verlag, Stuttgart, Germany. Thieme Medical Publishers, Inc., New York, 1994</p> <p>3. Burket's oral medicine / Michael Glick, William M. Feagans. By: Glick, Michael. Shelton, Connecticut : People's Medical Publishing House, 2015</p> <p>4. Bacterial infections- Davies, Andrew; Oxford University Press; 2005; e-book.</p> <p>5. Oral and maxillofacial pathology. Neville, Damm, Allen, Chi. USA. 2016. 4th edition</p>

Learning Outcomes

NQF *	COURSE LEARNING OUTCOMES	PROG. LO		S E N I O R A P	TEAC HIN G IN SIM ULAT ION	TEAC HIN G IN CLI NIC AL	M I D T E R M E X A M	F I N A L E X A M	ASSES. METH.
KNOWLE DGE AND AWAREN ESS	<ul style="list-style-type: none"> Recognizes the clinical features of oral mucosal diseases or disorders; Knows diagnostic methods and creates treatment plan; Recognizes of pathological features and dental relevance of common disorders of the major organ systems, and have knowledge of the oral manifestations of systemic disease; Knows appropriate clinical laboratory and other diagnostic procedures and tests, and an understanding of their diagnostic reliability and validity, and the interpretation of the results. 	6.1 8.1 8.2	X	X			X	X	MCQ CBL DISCUSSION ORAL EXAM

SKILL	Provides history taking regarding the specificity of mucosal diseases; Conducts extra and intraoral examination of patient; Is able to take swabs for laboratory test.	8.1 8.2 9.2				X			Mini CEX
RESPONSIBILITY AND AUTONOMY	<ul style="list-style-type: none"> • solves problems, thinks critically, makes decisions. • works independently 	11.3 11.4				X			Mini CEX CBL

Learning Course Content

№ Week s 16	Topics	Lecture (hrs.)	SEM	TSE	TCE
I	Morpho-functional features of oral cavity; histology, functions, blood supply and innervation of oral mucosa; Microflora of oral cavity (normal and pathological flora).	2			
II	Damage element of oral mucosa (primary and secondary); Pathology of oral mucosal diseases; diagnostic methods of oral mucosa diseases (common and additional diagnostic methods). TCE	2			4
III	Bacterial Infections (Impetigo, Erysipelas, Streptococcal Tonsillitis and Pharyngitis, Scarlet Fever, Tonsillar concretions and Tonsillolithiasis, Diphtheria) - etiology, pathogenesis, clinical features, diagnosis, treatment Discussion	3	4		
IV	Bacterial Infections (Syphilis, Gonorrhea, Tuberculosis, Leprosy, Noma, Actinomycosis, Cat-Scratch Disease, Sinusitis) (etiology, pathogenesis, clinical features, diagnosis, treatment)	3			
V	Fungal and Protozoal Diseases (Candidiasis, Histoplasmosis, Blastomycosis, Paracoccidioidomycosis, Coccidioidomycosis, Cryptococcosis, Aspergillosis, Toxoplasmosis) (etiology, pathogenesis, clinical features, diagnosis, treatment)	3			
VI	Viral Infections (HHV, HSV, VZV, Infectious Mononucleosis, Cytomegalovirus, Enteroviruses, Rubeola, Rubella, Mumps) (etiology, pathogenesis, clinical features, diagnosis, treatment)	3			

VII	Human Immunodeficiency Virus and Acquired Immunodeficiency Syndrome CBL	4	4		
VIII	Midterm exam	1			
IX	Physical and Chemical Injuries (Traumatic Ulcerations, Electrical and Thermal Burns, Chemical Injuries of the Oral Mucosa, Noninfectious Oral Complications of Antineoplastic Therapy, Bisphosphonate-Associated Osteonecrosis, Orofacial Complications of Methamphetamine Abuse, Anesthetic Necrosis, Exfoliative Cheilitis, Submucosal Hemorrhage, Amalgam Tattoo and Other Localized Exogenous Pigmentations, Oral Piercings and Other Body Modifications, Systemic Metallic Intoxication, Smoker's Melanosis, Drug-Related Discolorations of the Oral Mucosa, Reactive Osseous and Chondromatous Metaplasia, Oral Ulceration with Bone Sequestration, Pseudocysts and Cysts of the Maxillary Sinus, Cervico-facial Emphysema) (etiology, pathogenesis, clinical features, diagnosis, treatment) Discussion	4	4		
X	Allergies and Immunologic Diseases (Transient Lingual Papillitis, Recurrent Aphthous Stomatitis, Behçet's Syndrome, Sarcoidosis, Orofacial Granulomatosis, Wegener's Granulomatosis, Allergic Mucosal Reactions to Systemic Drug Administration, Allergic Contact Stomatitis, Perioral Dermatitis, Contact Stomatitis from Artificial Cinnamon Flavoring, Lichenoid Contact Stomatitis, Angioedema) (etiology, pathogenesis, clinical features, diagnosis, treatment)	3			
XI	Epithelial Pathology (HPV, Sinonasal Papillomas, Molluscum Contagiosum, Verruciform Xanthoma, Seborrheic Keratosis, Sebaceous Hyperplasia, Ephelis, Actinic Lentigo, Lentigo Simplex, Melasma, Oral Melanotic Macule, Oral Melanoacanthoma, Acquired Melanocytic Nevus, Variants of Melanocytic Nevus) (etiology, pathogenesis, clinical features, diagnosis, treatment)	2			
XII	Epithelial Pathology (Leukoplakia, Erythroplakia, Smokeless Tobacco Keratosis, Oral Submucous Fibrosis, Nicotine Stomatitis, Actinic Keratosis & Cheilosis, Keratoacanthoma, Squamous Cell Carcinoma, Verrucous Carcinoma, Spindle Cell Carcinoma, Adenosquamous Carcinoma, Basaloid Squamous Carcinoma, Carcinoma of the Maxillary Sinus, Sino-nasal Undifferentiated Carcinoma, Nasopharyngeal Carcinoma, Basal Cell Carcinoma, Merkel Cell Carcinoma, Melanoma) (etiology, pathogenesis, clinical features, diagnosis, treatment)	2			
XIII	Discussion		4		
XIV	Hematologic Disorders (Lymphoid Hyperplasia, Hemophilia, Plasminogen Deficiency, Anemia, Sickle Cell Anemia, Thalassemia, Aplastic Anemia, Neutropenia,	3			

	Agranulocytosis, Cyclic Neutropenia, Thrombocytopenia, Polycythemia Vera, Leukemia, Langerhans Cell Histiocytosis, Hodgkin's Lymphoma, Non-Hodgkin's Lymphoma, Mycosis Fungoides, Burkitt's Lymphoma, Extranodal NK/T-cell Lymphoma, Nasal-Type, Multiple Myeloma, Plasmacytoma) (etiology, pathogenesis, clinical features, diagnosis, treatment)				
XV	Dermatologic Diseases (Ectodermal Dysplasia, White Sponge Nevus, Hereditary Benign Intraepithelial Dyskeratosis, Dyskeratosis Congenita, Xeroderma Pigmentosum, Hereditary Mucoepithelial Dysplasia, Peutz-Jeghers Syndrome, Ehlers-Danlos Syndromes, Tuberous Sclerosis, Multiple Hamartoma Syndrome, Epidermolysis Bullosa, Pemphigus, Mucous Membrane Pemphigoid, Bullous Pemphigoid, Erythema Multiforme, Erythema Migrans, Reactive Arthritis, Lichen Planus, Chronic Ulcerative Stomatitis, Graft-versus-Host Disease, Psoriasis, Lupus Erythematosus, Systemic Sclerosis, CREST Syndrome, Acanthosis Nigricans) (etiology, pathogenesis, clinical features, diagnosis, treatment) Mini-CEX	3			4
XVI	Oral Manifestations of Systemic Diseases (Lipid Reticuloendothelioses, Lipoid Proteinosis, Jaundice, Amyloidosis, Vitamin Deficiency, Iron-Deficiency Anemia, Plummer-Vinson Syndrome, Pernicious Anemia, Pituitary Dwarfism, Gigantism, Acromegaly, Hypothyroidism, Hyperthyroidism, Hypoparathyroidism, Pseudohypoparathyroidism, Hyperparathyroidism, Hypercortisolism, Addison's Disease, Diabetes Mellitus, Hypophosphatasia, Vitamin D-Resistant Rickets, Crohn's Disease, Pyostomatitis Vegetans, Uremic Stomatitis) (etiology, pathogenesis, clinical features, diagnosis, treatment) Differential diagnosis of oral mucosa disease CBL	3	4		
	Final Exam	2			