

DEN4009 Pediatric Dentistry II (Pulp Diseases, Infections and Disorders of Oral Mucosa)

Course title	Code	Semester	Type of course	Course structure and volume (hours)			ECTS
Pediatric Dentistry II (Diseases of infection and oral mucosa)	DEN4009	VII	Mandatory	LECTURE	26	180	6
				Seminar	20		
				Teaching in a Stimulatory environment (TSE)	10		
				Teaching in the clinical environment (TCE)	4		
				Midterm EX.	1		
				FINAL EX.	2		
				INDEP. WORK	117		
Faculty, the educational program, and the level of education	School of Dental Medicine, One cycle (5-year duration) Educational Program “Dentistry”						
staff	E-mail: tamta.chikobava@bauinternational.edu.ge Pınar Kıymet Karataban- Professor E-mail: pınar.kıymet.karataban@bauinternational.edu.ge Iamze Motskonili, DD- invited teacher mob:593353748 E-mai: iamze.motskobili@bauinternational.edu.ge Personal one-to-one consultation can be arranged at an agreed-upon date and time.						
Duration	15 weeks						
Prerequisite	DEN3006 Pediatric Dentistry I						
Aim	This course aims to give students a sufficient level of knowledge and experience in the recognition of Pulp diseases and endodontic treatment, also disorders and infections of the oral mucosa in pediatric patients and their treatment and prognosis.						
Methods of Teaching/Learning	Lectures, Seminars						

Assessment System and Criteria	Attendance - student is obliged to attend 70% of the total number of 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.
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1. Current activity - 40 points, including the following:

- Testing (4 sessions, 5 points each) – 20 points
- Clinical case base learning assessment (CBL)- (2 sessions 5 points each)- 10 points
- Verbal quiz - (5 sessions 2 points of each) -10 points
- Midterm –MCQ – 20 points
- Final exam-MCQ– 14 points and Open test 6 points, Oral exam - 20 points

TESTING

Student is given open answered test with 5 questions. Each correct answer is evaluated 1 point. incomplete answer – 0.5 points, no answer – 0 points.

VERBAL QUIZ

Method Description:

Demonstration of knowledge of theoretical topics, discussion over specific issues in the form of narration or answering questions.

2 Points: The student is well prepared, thoroughly proficient in syllabus material. The answers to the questions are correct, justified and reasoned. The student is thoughtful and well versed in the problem area.

1 Points : The student knows only part of the syllabus topic, the answers to the questions are correct but incomplete/unreasonable.

0 Points : The student is entirely unprepared. Does not have knowledge/prepared a syllabus topic, cannot answer any questions.

CLINICAL CASE ASSESSMENT (CBL) CRITERIA:

- Ability of case interpretation - 1 point;
- Ability to use additional sources - 1 point;
- Ability to apply theoretical knowledge - 1 point;
- Ability to correlate normal and pathological conditions - 1 point;
- Ability to conclude – 1 points

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

Midterm exam – MCQ – 20 points. 0.4 points assess each MCQ question, totally 50 questions. For a positive result, the student must correctly answer at least **50%** of the total number of questions.

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.

3. Final Exam - 40 points;

Final Exam is conducted in a combined way:

- Test-based form **MCQ** (MCQ-35 questions with 0.4 point for each question-14 points
- An **Open Test** -6 points
- **Oral exam**-4X5 = 20 points

OPEN TEST

Students should write an answer himself/herself. Maximum assessment 1 point.
Each correct answer is evaluated 1 point, incomplete answer – 0.5 points, no answer – 0 points.

ORAL EXAM

Oral form (4 issues, each scored a maximum 5 points).

Oral Exam assessment criteria (5 points)

5 points - The answer is comprehensive. Student's thinking ability is visible. The topic is precisely and fully presented. The terminology is duly used. The student masters the material regarded by the program on a proper level. He/she has adequately and profoundly learned main as well as supplementary 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 program on a proper level. He/she has learned 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 program 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 the 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.

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 evaluation + final exam evaluation) is more that 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 exams 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 a 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;

Negative scores:

- (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.

The course (module) is considered as passed if the student has **at least 51 points** during one semester.

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.

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>The core literature</p>	<ol style="list-style-type: none"> 1. Pediatric Dentistry A Clinical Approach - Goran Koch; Sven Poulsen; Wiley-Blackwell; 3rd .ed. 2017. eBook 2.The Handbook of Pediatric Dentistry, The American Academy of Paediatric Dentistry, Arthur J Nowak and Paul S Casamassimo McDonald and Avery 3. Handbook of Pediatric Dentistry, 5th Edition- Editors : Angus C. Cameron & Richard P. Widmer 2021 4. McDonald and Avery's Dentistry for the Child and Adolescent, 11th Edition" was published in 2021.
<p>The auxiliary literature</p>	<ol style="list-style-type: none"> 5.Dentistry for the Child and Adolescent Dentistry for the child and adolescent / [edited by] Ralph E. McDonald, David R. Avery, Jeffrey A. Dean.—10th ed.Mosby Elsevier, 2015 6.Paediatric Dentistry - Third Edition Edited by Richard Welbury, Monty Duggal, MT Hosey, Oxford University Press, 2005 7.Pediatric Dentistry: Infancy through Adolescence 6th Edition by Arthur Nowak DMD (Editor), John R. Christensen (Editor), Tad R. Mabry (Editor), Janice Alisa Townsend (Editor), Martha H. Wells (Editor) Saunders,2018 8.Pediatric Dentistry (Oxford) Edited by: Richard Welbury, Monty S. Duggal, Marie Terese Hosey 2018. 9. ORAL AND MAXILLOFACIAL PATHOLOGY, 2015 4E By Neville Brad W. Dds & Damm Douglas D. 10.Handbook of Pediatric Dentistry- Edited by: Angus C. Cameron I Richard P. Widmer 2021

Learning Outcomes

NQF*	COURSE LEARNING OUTCOMES	PROG. LO	Lecture	Seminar	Teaching in the simulation environment	Teaching in the clinical environment	Midterm exam	Final exam	ASSES. METH.
KNOWLEDGE AND AWARENESS	<ul style="list-style-type: none"> Defines and recognizes the clinical signs of oral mucosa infections and diseases. Distinguishes systemic diseases, and related oral conditions and concludes the prognosis of oral mucosa diseases Knows his\her limitations and acts accordingly in ethical and pediatric dentistry clinical principles, in case of necessity request for support and decides to refer to specialists according to clinical and radiographic evaluation. 	6.4 7.2 9.2 9.7 4.1	X	X	X		X	X	Testing Verbal quiz Clinical Case Analysis
SKILLS	<ul style="list-style-type: none"> Demonstrates early diagnosis and differential diagnosis methods in pediatric patient to prevent disease progression Evaluates individual dental treatment plan for the pediatric patient; regarding infections of the oral mucosa, and related factors. Defends ethical approach regarding the treatment plan and privacy of the pediatric patient. Develop strategies to maintain the patient's oral health. 	7.1 8.1 8.2 9.1 9.2 9.4 9.7		X	X			X	Verbal Quiz Clinical Case Analysis Oral exam
RESPONSIBILITY AND AUTONOMY	<ul style="list-style-type: none"> Analyzes and synthesizes information Works independently 	11.1 11.5		X					Verbal quiz CBL

Learning Course Content

days №	Topics	Lecture (hrs)	Seminar (hrs)	TSE (hrs)	TCE (hrs)
I	Pedodontic Endodontics, Endodontic Approach in Young Permanent Teeth CBL	2			
II	Diagnosis and Etiology of Pulp Diseases in Pediatric Patients Testing Verbal Quiz	2	1		
III	Capping and Amputation of Primary and Young Permanent Teeth Verbal quiz	2	1	2	
IV	The significance and essential components of endodontic therapy in pediatric patients.	2	1		
V	Materials Used in Pediatric Endodontic Procedures. Verbal quiz	2	2	1	
VI	Morpho-functional features of oral cavity; Histology, functions, blood supply and innervation of oral mucosa; Microflora of oral cavity (normal and pathological flora) in children.	1	1		
VII/ VIII	MIDTERM	1			
IX	Occlusion in the Pediatric Patient, Serial Extraction and Application Guidance in the Pediatric Patient Verbal Quiz	2	2	2	

X	Infectious diseases of Oral mucosa. CBL	2	2		
XI	Tongue diseases Verbal Quiz.	1	2		
XII	Lips diseases. CBL	1	1		
XIII	Traumatic Dental Injuries Treatment, Traumatic Dental Injuries Follow-up and Prognosis Thermal, chemical and electrical burning of oral mucosa. Testing. CBL	2	1		
XIV	Treatment Approaches in Children with Special Needs and Chronic Systemic Diseases, Drug Use in Pedodontics Testing	2	2		
XV	Systemic Diseases and Implications on Oral Health. Verbal Quiz.	1			
XVI	Gingivitis in pediatric dentistry. Testing	2	2		
XVII	Periodontal Diseases in Pediatric Patients. Verbal Quiz.	2	2		
	FINAL EXAM				

