

DEN 3006 Pediatric Dentistry I (Non-Caries lessons and Cariology)

[illegible]

Methods of Teaching/Learning	Lectures, Seminars, TCE and TSE
Assessment System and Criteria	<p>Attendance - the student is obliged to attend 70% of the total number of the learning course</p> <p>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.</p>

2026

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

- a. Verbal quiz (5 sessions, 2 points each) – 10 points
- b. TSE - Practical activity assessment - (3 sessions 5 points each)- 15 points
- c. Clinical case base learning (CBL)- (3 sessions 5 points each)- 15 points

a. 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

b. Practical Activities Rubric:

- Performs manipulations fully and without errors – 5 points
- Performs manipulations partially and without errors – 4 points
- Performs manipulations with minor errors – 3 points
- Performs manipulations with some errors – 2 points
- Performs manipulations with errors – 1 point

Threshold-50% A minimum score of 7.5 out of 15 points is required prior to the final examination

c. Clinical Case Assessment CRITERIA (CBL):

- 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 7.5 out of 15 points is required prior to the final examination

2. Midterm exam – MCQ – 20 point

50 multiple choice questions, each scored 0.4 points;

3. Final Exam - 40 points; Final Exam is conducted in a combined way:

- Mini OSCE

Mini – OSCE assessment criteria – 40 points

OSCE 4 Bases:

1. Caries lesions diagnostic methods.
2. Cavity principles.
3. Filling of carious cavity.
4. Fluoride varnish applications.

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.

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.

The course (module) is considered passed if the student has at least 51 points in one semester.
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;

	<p>Negative scores:</p> <p>(FX) Failure - 41-50 points: the student needs more independent work and is granted a single attempt of exam retake;</p> <p>(F) Fail - 40 points or less: the student's conducted work is not sufficient and needs to take the course again.</p> <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>
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The core literature	<ol style="list-style-type: none"> Pediatric Dentistry A Clinical Approach - Goran Koch; Sven Poulsen; Wiley-Blackwell; 3rd .ed. 2017. Hard copy and eBook Dentistry for the Child and Adolescent, McDonald and Avery's 11th Edition 2021
The auxiliary literature	<ol style="list-style-type: none"> Dentistry for the child and adolescent / [edited by] Ralph E. McDonald, David R. Avery, Jeffrey A. Dean.—10th ed.Mosby Elsevier, 2015 Handbook of Pediatric Dentistry- Edited by: Angus C. Cameron I Richard P. Widmer 2021 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 General Anesthesia for Pediatric Dental Patients with Special Needs by Shweta Kuman Shalini Garg Shalu Verma 2025 <u>Pediatric Dentistry: Infancy through Adolescence 6th Edition by Arthur J. Nowak 2018;</u> Silver Diamine Fluoride in Pediatric Dentistry (Paperback or Softback) By Daga, Shivani Paperback or Softback 2020 Pediatric Dentistry (Oxford) Edited by: Richard Welbury, Monty S. Duggal, Marie Terese Hosey 2018.

Learning Outcomes

NQF*	COURSE LEARNING OUTCOMES	PROG. LO	Lecture	Seminar	TSE	TCE	Midterm ex.	Final exam	ASSES. METH.
KNOWLEDGE AND AWARENESS	<ol style="list-style-type: none"> Explains the dental approach to pediatric and adolescent patients. Defines and recognizes the clinical signs of caries and pulpal pathology in both primary and young permanent dentition. Summarizes the minimally invasive restorative and operative procedures; Demonstrate adequate knowledge of Diagnosis, prognosis, and management of traumatic dental injuries of both deciduous and young permanent teeth. Correlates a healthy relationship and Connect with the pediatric patient and develop a treatment plan. 	6.1 6.2 7.2 9.1	X	X			X	X	MCQ, Verbal Quiz Oral Exam

SKILL	<ol style="list-style-type: none"> 1. Performs an extra-oral and intraoral examination; 2. Predicts minimally invasive restorative and Operative procedures, that prevent hard tissue diseases. 3. Adapts contemporary dental materials into practical management of dental caries, dental trauma and endodontic procedures on models 4. Correlates the knowledge of social and behavioral sciences and summarizes mechanisms of behavior management 5. Can successful relationship with children and defends practical behavior management respecting pediatric patient's psychology. 6. Shows ethical approach regarding the treatment plan and privacy of the pediatric patient with special needs 7. 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. 	9.5 4.1 7.3 7.1. 1.1		X	X			X	CBL Mini OSCE Practical activity
RESPONSIBILITY AND AUTONOMY	<ul style="list-style-type: none"> manages information, solves the problems and makes a decision 	11.1 11.3		X					CBL Oral Exam

Learning Course Content

days №	Topics	Lecture (hrs)	Seminar (hrs)	TSE (hrs)	TCE (hrs)
I	Introduction to Pedodontics, Definition, Purpose, Scope	1			
II	Tooth Development and Eruption Verbal Quiz	1	3		
III	Eruption Chronology of Teeth and Eruption Theories, Resorption Types and Anomalies Verbal Quiz MCQ	1		3	

IV	Caries Etiology Classification and Diagnosis in Primary Dentition Caries Risk Assessment, Early Childhood Caries	2		3	
V	Cavity Principles CBL	2	3	3	
VI	Treatment Planning for the Pediatric Patient, Restorative Treatment Principles for the Pediatric Patient.			3	
VII	The Relationship between Nutrition and Caries, Vitamins and Hormones Probiotics and Sweeteners, Saliva	1	3		
VIII	MIDTERM	1			
IX	Preventive Approach and Fluorides in Pediatric Dentistry Verbal Quiz	1	3	3	
X	Minimally Invasive Applications in Pediatric Dentistry Practical activity	2	3	3	

XI	Initial Examination and Behavior Guidance Techniques in the Child Patient Psychological Development of the Child Patient and Family Classification Verbal Quiz	1	3	3	
XII	Examination, Radiographic Examination and Diagnosis in Pediatric Patient Practical activity.	1	3	3	
XIII	Disorders in Tooth Development and Number and Shape of Verbal Quiz	1	3	3	
XIV	Systemic and Genetic Diseases and Intraoral Findings in Children, Periodontal Disease in Children CBL	1	3		
XV	Dental Hard Tissue Anomalies and Discolorations CBL	1	3		
XVI-XVII	Dental Materials in Pedodontics Verbal Quiz.	1	3	3	
XVII-XXII WEEK	Final Exam	2			