

**DEN5004 Pediatric Oral & Maxillofacial Surgery**

Course title	Code	Semester	Type of course	Course structure and volume (hours)			ECTS
Pediatric Oral & Maxillofacial Surgery	DEN5004	X	Mandatory	LECTURE	16	90	3
				Seminar	19		
				Teaching in Stimulatory environment (TSE)			
				Teaching in clinical environment (TCE)			
				Midterm EX.	1		
				FINAL EX.	2		
				INDEP. WORK	52		
<b>Faculty, the educational program and level of education</b>	School of Dental Medicine One cycle (5-year duration) Higher Educational Program “Dentistry”						
<b>Staff</b>	<p><u>Tamar Baramidze – DMD, PhD, Professor</u> e-mail: <a href="mailto:tamar.baramidze@bauinternational.edu.ge">tamar.baramidze@bauinternational.edu.ge</a>, mob.: 599 676 799</p> <p><u>Nino Tebidze – DMD, PhD, Associate Professor, e.mail: <a href="mailto:nino.tebidze@bauinternational.edu.ge">nino.tebidze@bauinternational.edu.ge</a>, mob.: 574 08 90 90</u></p> <p><b>Pinar Kiymet Karataban</b>, professor E-mail: <a href="mailto:pinar.kiymet.karataban@bauinternational.edu.ge">pinar.kiymet.karataban@bauinternational.edu.ge</a></p> <p><b>Giorgi Rakviashvili- invited lecturer, DD</b> E-mail : <a href="mailto:Giorgi.rakviashvil@bauinternational.edu.ge">Giorgi.rakviashvil@bauinternational.edu.ge</a></p> <p>Personal one-to-one consultation can be arranged at an agreed upon date and time.</p>						
<b>Duration</b>	17 weeks						
<b>Prerequisite</b>	DEN5011						
<b>Aim</b>	The aim of the course is to gain knowledge on pediatric oral & maxillofacial surgery such as the concept of serial extraction, cleft lip and palate, maxillofacial syndromes, maxillofacial trauma and pathology, temporomandibular joint diseases, treatment options of orthodontic and orthognathic surgery.						
<b>Methods of Teaching/Learning</b>	Interactive lectures, Seminars						

<p><b>Assessment System and Criteria</b></p>	<p><b>Attendance - student is obliged to attend 70% of the total number of the learning course</b></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> <p><b>Student’s knowledge assessment:</b></p> <ul style="list-style-type: none"> <li>● <b>Testing MCQ (5 sessions, 5 points each) - 25 points</b></li> <li>● <b>Verbal presentation (5 sessions, 2 points each) – 10 points</b></li> <li>● <b>Group Presentation – 5 points</b></li> <li>● <b>Midterm –MCQ – 20 points</b></li> <li>● <b>Final exam-MCQ - 20 points, Verbal Exam – 20 points – Total 40 points</b></li> </ul> <p><b>Total -100 points</b></p> <p><b>TESTING</b></p> <p><b>MCQ (Multiple Choice Question)</b></p> <p>Each MCQ question is assessed by 0.4 point.</p> <p><b>VERBAL PRESENTATION</b></p> <p>Demonstration of knowledge of theoretical topics, discussion over specific issues in the form of narration or answering questions.</p> <p><b>2 Points:</b> 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.</p> <p><b>1 Points:</b> The student knows only part of the syllabus topic, the answers to the questions are correct but incomplete / unreasonable.</p> <p><b>0 Points:</b> The student is completely unprepared. Does not have a syllabus topic, cannot answer any questions.</p> <p><b>GROUP PRESENTATION</b></p> <p><b>Group presentation assessment criteria (5 points):</b></p> <p style="padding-left: 40px;">Presentation in groups of 2-3 students</p> <p>Demonstrations of theoretical knowledge - 3 points:</p> <ul style="list-style-type: none"> <li>3 point – material is demonstrated fully</li> <li>2 points – material is not full enough</li> <li>1 point - material is demonstrated partially</li> </ul> <p>Academic level and design - 1 point;</p> <ul style="list-style-type: none"> <li>Visual and technical quality of the material - 0,5 point;</li> <li>Review of the available modern material related to the topic - 0,5 point;</li> </ul> <p>Presentation and communication skills - 1 point;</p> <ul style="list-style-type: none"> <li>a. Group working and listening culture - 0,5 point;</li> <li>b. Correct language and style - 0,5 point;</li> </ul>
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**Midterm exam** – MCQ - 20 points. Each MCQ question is assessed by 0.4 point. For a positive result, the student must correctly answer at least **50%** of the total number of questions.

**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 – 20 points.**
- **Oral form (4 topics each scored at maximum 5 points)- 20 points.**

**Verbal 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 a 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 an 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 final exam is considered as passed if the student has at least **21 points** (minimal competence limit).

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

Maximum course assessment score is 100 points. The student’s assessment system includes:

a) Five types of positive assessment:

	<p>(A) Excellent – 91-100 points.</p> <p>(B) Very good – 81-90 points.</p> <p>(C) Good – 71-80 points.</p> <p>(D) Satisfactory – 61-70 points.</p> <p>(E) Acceptable – 51-60 points.</p> <p>(FX) Student could not pass examination – 41-50 point that means that the student is required to work more for passing the exam, and that she/he is entitled to retake exam only once after individual work;</p> <p>(F) Failed to pass – 40 points and lower that means that the work done by the student is not sufficient and she/he has to retake the course.</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>
<p><b>The core literature</b></p>	<p><b>1) Peterson's Principles of Oral &amp; Maxillofacial Surgery-</b> Peterson, Larry J.; Miloro, Michael; USA Ltd [PMPH] ; 3<sup>rd</sup>.ed 2012; e-book.</p>
<p><b>The auxiliary literature</b></p>	<p><b>1) Oral and Maxillofacial Surgery-3 volume set, Third Edition.</b> Raymond J. Fonseca. Saunders, 2017.</p>

**Learning Outcomes**

NQF*	COURSE LEARNING OUTCOMES	PROG. LO	Lecture	Seminar	Teaching in simulation environment	Teaching in clinical environment	Midterm ex.	Final exam	ASSES. METH.
<b>KNOWLEDGE AND AWARENESSES</b>	The student; 1. Knows principles of tooth extraction in pediatric patients 2. Explains the concept of serial extraction 3. Understands process of growth and development 4. Defines maxillofacial reconstruction techniques 5. Knows treatment of cleft lip and palate 6. Explains the treatment options of temporomandibular joint diseases in children.	6.1	X	X			X	X	MCQ Verbal presentation
<b>SKILL</b>	The student; 1. Analyzes the clinical and radiographic symptoms of maxillofacial syndromes. 2. Analyzes the clinical and radiographic symptoms of maxillofacial pathology in children	9.1		X				X	Verbal presentation Group presentation Oral Exam
<b>RESPONSIBILITY AND AUTONOMY</b>									

**Learning Course Content**

Weeks No	Topics	Lecture (hrs)	Seminar (hrs)	TSE (hrs)	TCE (hrs)
I	Principles of Pediatric Tooth Extraction	2			
II	Concept of Serial Extraction Verbal presentation	2			
III	Growth and Development Testing	2	3		
IV	Sedation and General Anesthesia in Pediatric Patients Verbal presentation	1	3		
V	Management of Cleft Lip and Palate Testing	1	3		
VI	Management of Alveolar Cleft Verbal presentation	1	2		
VII-VIII	Midterm Exam	1			
XIX-X	Temporomandibular Joint Diseases in Pediatric Patients	1	2		
XI-XII	Maxillofacial Syndromes and Reconstruction Methods Verbal presentation	2	2		
XIII	Maxillofacial Syndromes and Reconstruction Methods Orthodontic and Orthognathic Surgery Options in Children Group presentation Testing	1			

XIV-XV	Maxillofacial Trauma in Children	1	2		
XVI-VII	Maxillofacial Trauma in Children Management of Maxillofacial Pathology in Pediatric Patients Verbal presentation Testing	2	2		
XVI	<b>FINAL EXAM</b>	2			