

DEN5006 Orthodontics and Dentofacial Orthopedics IV (Adult orthodontics)

Course title	Code	Semester	Type of course	Course structure and volume (hours)			ECTS
Orthodontics and Dentofacial Orthopedics IV (Adult orthodontics)	DEN5006	X	Mandatory	LECTURE	24	120	4
				Seminar	30		
				Practical			
				Teaching in clinical environment (TCE)	15		
				Midterm EX.	1		
				FINAL EX.	2		
				INDEP. WORK	48		
Faculty, the educational program and level of education	School of Dental Medicine One cycle (5-year duration) Higher Educational Program “Dentistry”						
Staff	Tinatin Maminaishvili E-mail: maminaishvili.t@gmail.com . Nikoloz Jorjikashvili E-mail: nikolozjorjikashvili.@gmail.com Duygu Yetkin- invited lecturer E-mail: duygu.yetkin@bauinternational.edu.ge Nino Gachechiladze -invited lecturer E-mail: nino.gachechiladze@bauinternational.edu.ge Personal one-to-one consultation can be arranged at an agreed upon date and time.						
Duration	17 weeks						
Prerequisite	Orthodontics and Dentofacial Orthopedics III (Craniofacial anomalies) DEN5003						
Aim	This course aims to give advanced knowledge about traditional and contemporary treatment methods for adult orthodontics, examining the patient, planning the treatment and choosing appropriate treatment methods for the patient..						
Methods of Teaching/Learning	Interactive lectures; Seminars; Teaching in clinical environment						

Assessment System and Criteria	<p>Student's knowledge assessment:</p> <ul style="list-style-type: none">• Testing (4sessions, 5 points each) - 20 points• Verbal quiz (5 sessions, 2 points each) – 10 points• DOPS – 2 sessions, 5 points each - 10 points• Midterm –MCQ - 20 points• Final exam (OSCE) – 20points and MCQ - 20 points <p>Total -100 points</p> <p>Evaluations of ongoing MCQ tests</p> <p>MCQ (Multiple Choice Question).</p> <ul style="list-style-type: none">• Each MCQ question is assessed by 0.5 point. <p>Verbal quiz</p>
---------------------------------------	---

Method Description:

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

Assessment criteria

2 Points: The student is well prepared, thoroughly proficient in representing factual 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 represented factual material, the answers to the questions are correct but incomplete / unreasonable.

0 Points: The student is completely unprepared. Does not have knowledge/prepared a represented factual material, cannot answer any questions.

DOPs assessment criteria:

- Performs manipulations fully. step by step and without errors – 5 points
- Performs manipulations partially and without errors – 3-4 points
- Performs manipulations with some errors. some steps are missing– 2 points
- Performs manipulations with lots of errors – 1 point
- Cannot perform manipulation on phantom- 0 point

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.

Final exam - 40 points.

Final exam prerequisites: the total number of points from all other assessment components, namely, the midterm exam and activity quizzes and classroom activity, must be at least **30 points**.

in the **DOPs Threshold 50%** means that a student must score at least 50% in the relevant assessment to be considered as having met the required standard.

Final exam is combined – 20 points for MCQ and 20 points for OSCE

MCQ – 20 points - For a positive result, the student must correctly answer at least **50%** of the total number of questions.

OSCE - The score is 20 points. The OSCE exam consists of 4 practical tasks, each of which is scored 5 points - a total of 20 points. The OSCE exam will be considered passed if the student collects **50% (2.5 points)** from each (**out of 4**) practical assignment.

Assessment Criteria:

5 Points – The candidate fully fulfills the OSCE criteria, completes the practical assignment fully and confidently

4 – 3 Points – Satisfactory practical assignment and largely fulfilling OSCE criteria

2 – 1 Points - poor performance, the candidate cannot meet much of the OSCE criteria

0 Point – With poor performance, the candidate cannot meet any of the OSCE criteria .

* Evaluation of each element of the rubric is determined by checklists that are tailored to the specificity of the task to be performed.

The final exam is considered as passed if the student has at least **21 points** (minimal competence limit).
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. (B) Very good – 81-90 points. (C) Good – 71-80 points. (D) Satisfactory – 61-70 points. (E) Acceptable – 51-60 points. (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. (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>Within the educational component of the educational program, in case of FX assessment, a makeup exam is appointed no later than 5 days after announcement of the examination results.</p> <p>The point of the makeup exam is not added to the point of the final exam. The point of the makeup exam is the point of the final assessment and is reflected in the final assessment of the educational component of the educational program.</p> <p>In accordance with the point of the makeup exam, the final assessment of educational component, in case of 0-50 points, the students receive F-0 assessment.</p> <p>The course (module) is considered as passed if the student has at least 51 points during one semester.</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>
The core literature	<p>Handbook of orthodontics 2ND edition – Martyn Cobourne, Andrew DiBiase, 2016 Elsevier Ltd All rights reserved.</p>
The auxiliary literature	<p>Lee W. Graber, Katherine W.L. Vig, Greg J. Huang, Padhraig S. Fleming. Orthodontics Current Principles and Techniques, seven edition St. Louis, Missouri Mo: Elsevier/Mosby, 2023. (related chapters)</p>

Learning Outcomes

[illegible]

Learning Course Content

DAYS №	Topics	Lecture (hrs)	Seminar (hrs)	Practical	TCE (hrs)
I	Potential Adult Orthodontic Patient and Diagnosis Seminar: Perception of orthodontic treatment of adult patient TCE: Clinical examination of adult patients, taking orthodontic pictures and diagnose the patient Verbal Quiz I	2	2		2
II	Etiology	2	2		
III	Treatment Planning Seminar: Treatment options for adult patients TCE: Clinical observation of treatment planning, making treatment plans of the patients Verbal Quiz II	2	2		2
IV	Appliance Design Seminar: Appliance options for adult patients TCE: Clinical observation of different orthodontic appliances for adult patients Testing I	2	2		2
V	Anchorage Problems Seminar: Use of mini screws in adults TCE: Clinical observation of mini-screw insertion in different sites of the mouth DOPS: Appliance options for adult patients	2	2		2
VI	Bonding Problems Related to Adult Rehabilitated Dentitions Seminar: Contemporary bonding materials Verbal Quiz III	2	2		
VII	Midterm Exam (1 hour)	1			
VIII	Interdisciplinary Collaboration Between Orthodontics and Periodontics Seminar: Orthodontic treatments of periodontally handicapped patients TCE: Clinical observation of periodontally handicapped patients	2	2		2
IX	The Link Between Orthodontics and Prosthetics Seminar: Preprothetic orthodontics Testing II	2	2		

X	Patients with Temporomandibular Joint (TMJ) Problems and Temporomandibular Disorders Seminar: Use of splints during orthodontic treatment TCE: Clinical observation of TMJ examination and Splints Verbal Quiz IV	2	2		2
XI	Invisalign®: As Many Answers as Questions TCE: Clinical observation of Invisalign patients DOPS	1	3		2
XII	Lingual Orthodontics Seminar: Lingual vs vestibular orthodontics Testing III	1	3		
XIII	Progressive Slenderizing Technique Seminar: Air rotor stripping in adults TCE: Clinical observation of different stripping techniques Verbal Quiz V	1	3		1
XIV	What are the Limits of Orthodontic Treatment? Seminar: Orthodontics in elder patients Testing IV	1	1		
XV	Bonding in Orthodontics Seminar: Management of Impactions	1	1		
XVI	Post Treatment Maintenance Seminar: Retention methods in adult patients	1	1		
XVII	Final Exam (2 hour)	2			