

DEN4007 Oral Surgery III

TMJ - Oral & Maxillofacial Traumatology and salivary gland diseases

Course title	Code	Semester	Type of course	Course structure and volume (hours)			ECTS
Oral Surgery III TMJ - Oral & Maxillofacial Traumatology and salivary gland diseases	DEN4007	VII	Mandatory	LECTURE	20	120	4
				Seminar	28		
				Teaching in Stimulatory environment (TSE)	10		
				Teaching in clinical environment (TCE)			
				Midterm EX.	1		
				FINAL EX.	2		
				INDEP. WORK	59		
Faculty, the educational program and level of education	School of Dental Medicine One cycle (5-year duration) Higher Educational Program “Dentistry”						
staff	<p>Irakli Chachua- Assistant , DD Mob: 593311131 Email- irakli.chachua@bauinternational.edu.ge</p> <p>Nino Tebidze – DD, PhD, Associate professor of Dentistry , e-mail: nino.tebidze@bauinternational.edu.ge; mob.: 574 08 90 90</p> <p>Giorgi Rakviashvili- invited lecturer, DD Mob : 555132626 E-mail : Giorgi.rakviashvili@bauinternational.edu.ge Personal one-to-one consultation can be arranged at an agreed upon date and time.</p>						
Duration	17 WEEKS (15 DAYS)						
Prerequisite	oral surgery II (Oral Medicine) DEN3007						
Aim	The aim of the course is to teach a student the pathologies, specific and non specific inflammation, non-inflammatory degenerative disease of temporomandibular joint, traumatic and thermal injuries of maxillo-facial soft tissues, fracture, of maxillo-facial bones, clinical signs, differential diagnosis and treatment. Acute and chronic inflammatory processes of salivary glands, their etiology, clinical picture, diagnostics, differential diagnostics and principles of treatment						

<p>Methods of Teaching/Learning</p>	<p>Interactive lectures; Seminars; TSE</p>
<p>Assessment System</p>	<p>Student’s knowledge assessment:</p> <ul style="list-style-type: none"> ● Testing MCQ/SAQ (2 sessions, 5 points each) - 10 points ● Practical Activities Assessment (5 sessions, 4 points each) – 20 points ● Verbal presentation (10 sessions, 1 points each) – 10 points ● Midterm –MCQ – 20 points - 20 points ● Final exam-MCQ– 20points and OSCE 20 - 40 points <p>Total -100 points</p> <p>TESTING</p> <p>Evaluations of ongoing MCQ tests</p> <p>Each MCQ question is assessed by 0.4 point.</p> <p>Closed Question/Short Answer Question</p> <p>The student will be given a closed question, without probable answers, the student must answer correct answer question is rated 0.5 point.</p> <p>For a positive result, the student must correctly answer at least 50% of the total number of questions.</p> <p>Evaluations of ongoing Practical Activities</p> <p>Practical Activities Rubric:</p> <ul style="list-style-type: none"> ● Performs manipulations fully and without errors – 4 points ● Performs manipulations partially and without errors – 3 points ● Performs manipulations with minor errors – 2 points ● Performs manipulations with errors – 1 point ● Student does not participate in manipulation – 0 points <p>Verbal presentation</p> <p>Method Description:</p> <p>Demonstration of knowledge of theoretical topics, discussion over specific issues in the form of narration or answering questions.</p>

1 Point: 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.

0.5 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 completely unprepared. Does not have a syllabus topic, cannot answer any questions.

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 total number of questions.

FINAL EXAM

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

Final exam is conducted in combined form

MCQ - 20 points

OSCE - 20 Points

MCQ

Student is given 50 multiple choice questions. Each MCQ question is assessed by 0.4 point. For a positive student must correctly answer at least **50%** of the total number of questions.

OSCE

4 stations 5 points each (20 points)

Station 1: 1.Xray diagnosis

- diagnose-2 points
- differential diagnose-2 points
- treatment plan-1 point

Station 2.selection of the surgical instruments

- selection of the surgical instruments-2.5 points
- selection of the anesthesia-2.5 points

Station 3.immobilisation of fractures parts

- immobilization technique of fractured parts on upper jaw-2.5 points

- immobilization technique of fractured parts on lower jaw-2.5points

Station 4. fixation of fractured parts with metal devices

- selection of fixation metal device-2 points
- fixation procedure-2 points
- suturing-1 point

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:

(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.

b) two types of negative assessment

(FX) Student could not pass examination – 41-50 point that means that the student is required to work more on 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 retake the course.

Within the educational component of the educational program, in case of FX assessment, a makeup exam is held no later than 5 days after announcement of the examination results.

The point of the makeup exam is not added to the point of the final exam. The point of the makeup exam is reflected in the final assessment and is reflected in the final assessment of the educational component of the educational program.

In accordance with the point of the makeup exam, the final assessment of the educational component, if the student receives 40 points, the students receive F-0 assessment.

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

Core Literature	1. Oral and Maxillofacial Surgery -Lars Andersson, Karl-Erik Kahnberg, M. Anthony Pogrel; Wiley-Blackwell; 2010.
The auxiliary literature	

Learning Outcomes

NQF*	COURSE LEARNING OUTCOMES	PROG. LO	Lecture	Seminar	Teaching in simulation environment	Teaching in clinical environment	Midterm ex.	Final exam	ASSES. METH.
KNOWLEDGE AND AWARENESS	<p>Identifies pathologies of TMJ and traumatic damage of maxillofacial hard and soft tissues, acute and chronic inflammation of salivary glands</p> <p>Recognizes clinical signs and differential diagnosis of pathologies of TMJ and traumatic damage of maxillofacial hard and soft tissues and salivary glands</p> <p>Explains surgical treatment techniques</p> <p>Understands methods to avoid possible complications;</p> <p>Selects methods of management and treatment of pathologies of TMJ and traumatic damage of maxillofacial hard and soft tissues and salivary glands</p>	<p>6,1</p> <p>6,4</p> <p>8,1</p> <p>8,2</p>	X	X			X	X	<p>MCQ</p> <p>Verbal presentation</p>

SKILL	<p>Demonstrates appropriate methods of treatment of injuries of temporomandibular joint and soft tissues of face, teeth and jaw bones.</p> <p>Performs putting stitches on the wound meeting all the applicable requirements.</p> <p>Applies temporary fixation devices in case of traumatic injuries taking into consideration general state of a patient.</p> <p>Demonstrates methods of treatment of pathologies of temporomandibular joint with consideration of age.</p> <p>Applies the rules of resetting displaced lower jaw and appropriate means of anesthetization</p>	9,2 9,4 9,5			X		X	Practical activity OSCE
RESPONSIBILITY AND AUTONOMY								

Supplement 1

Learning Course Content

days №	Topics	Lecture (hrs)	Seminar (hrs)	TSE (hrs)	TCE (hrs)
I	<p>Temporo-mandibular joint arthritis- etiology,clinical signs,differential diagnosis,treatment methods</p> <p>Assignment: Study of the materials discussed on workshop.</p>	2			
II	<p>Temporo-mandibular joint traumatic arthritis- etiology,clinical signs,differential diagnosis,treatment methods</p> <p>Verbal presentation of studied material.</p> <p>Temporo-mandibular joint arthritis-etiology,differential diagnosis,treatment methods</p>	1	2		

	Assignment: Study of the materials discussed on workshop.				
III	Temporo-mandibularjoint specific inflammations Verbal presentation Temporo-mandibularjoint traumatic arthritis- etiology,clinical signs,differential diagnosis,treatment methods Assignment: Study of the materials discussed on workshop.	1	2		
IV	Temporo-mandibularjoint arthrosis-etiology,clinical signs,differential diagnosis,treatment methods Verbal presentation Temporo-mandibularjoint specific inflammations Assignment: Study of the materials discussed on workshop.	1	2		
V	Temporo-mandibularjoint painful disfunction syndrome MCQ Verbal presentation- Temporo-mandibularjoint arthrosis-etiology,clinical signs,differential diagnosis,treatment methods Assignment: Study of the materials discussed on workshop.	1	2		
VI	Trismus- etiology,clinical signs,differential diagnosis,treatment methods Verbal presentation Temporo-mandibularjoint painful disfunction syndrome Assignment: Study of the materials discussed on workshop	1	2		
VII-VIII	MIDTERM	1			
XIX	Temporo-mandibularjoint dislocation- etiology,clinical signs,differential diagnosis,treatment methods Verbal presentation: Trismus- etiology,clinical signs,differential diagnosis,treatment methods Assignment: Study of the materials discussed on workshop.	1	2		
X	Traumatic damage of teeth-classification,etiology,clinical signs,differential diagnosis,treatment methods	2	2	1	

	<p>Practical Activity-methods of surgical treatment of fractures of teeth</p> <p>Assignment: Study of the materials discussed on workshop.</p>				
XI	<p>Fractures of maxilla classification,etiology,clinical signs,differential diagnosis,treatment methods</p> <p>Practical Activity-methods of surgical treatment of fractures of maxilla</p> <p>Assignment: Study of the materials discussed on workshop.</p>	2	2	1	
XII	<p>Fractures of mandible classification,etiology,clinical signs,differential diagnosis,treatment methods</p> <p>Verbal presentation- methods of surgical treatment of fractures of mandible</p> <p>Practical Activity-methods of surgical treatment of fractures of mandible</p> <p>Assignment: Study of the materials discussed on workshop</p>	2	2	1	
XIII	<p>Fracture of zygomatic and nasal bone bones- etiology,clinical signs,,treatment methods</p> <p>MCQ</p> <p>Verbal presentation Fractures of maxilla and mandible classification,etiology,clinical signs,differential diagnosis,treatment methods</p> <p>Assignment: Study of the materials discussed on workshop</p>	2	2	1	
XIX	<p>Sialadenitis, sialosis, sialolithiasis, etiology,clinical signs,examination types,differential diagnosis,treatment methods</p> <p>Verbal presentation- Fracture of zygomatic and nasal bones- etiology,clinical signs,,treatment methods</p> <p>Assignment: Study of the materials discussed on workshop</p>	2	2	1	
XV	<p>traumatic damage of maxillo-facial soft tissues-burning,freezing, chemical injuries,classification, clinical signs,differential diagnosis,treatment methods</p> <p>Verbal presentation- Sialadenitis, sialosis, sialolithiasis, etiology,clinical signs,examination types,differential diagnosis,treatment methods</p>	2	2	1	

	Assignment: Study of the materials discussed on workshop				
XVI	Demonstration of practical skills:- surgical treatment methods of fractures of maxilla		2	2	
XVII	Demonstration of practical skills- surgical treatment methods of fractures of mandible		2	2	
XVIII- XXII	Final Exam	2			