

<i>Name of the course</i>	MAXILLOFACIAL SURGERY			<i>Code</i>	
<i>Study programme Cycle</i>	Medical studies in English Integrated university study			<i>Year of study</i>	5
<i>Credits (ECTS):</i>	1	<i>Semester</i>	10	Number of hours: (L-lecture + S-seminary + P-Practical)	20 (6+7+7)
<i>Status of the course:</i>	Mandatory	<i>Requirements</i>	In accordance with the Rulebook on Studying	<i>Comparative conditions:</i>	/
<i>Access to course:</i>	Fifth year medical students			<i>Hours of instruction:</i>	According to schedule
<i>Course teacher:</i>	Prof Predrag Knežević, MD, PhD				
<i>Consultations:</i>	As agreed with students (by phone and e-mail)				
<i>E-mail address and phone number:</i>	pknezev@kbd.hr				
<i>Associate teachers</i>	<ol style="list-style-type: none"> 1. Asst Prof Emil Dediol, MD, PhD, School of Medicine University of Zagreb, the School of Medicine University of Mostar 2. Mario Kordić, MD MS Senior Assistant, the School of Medicine University of Mostar. 3. Goran Šimić, MD MS Senior Assistant, the School of Medicine University of Mostar 4. Tanja Šimić Bilandžija, MD Senior Assistant, the School of Medicine University of Mostar 				
<i>Consultations:</i>	As agreed with students (by phone and e-mail)				
<i>E-mail address and phone number:</i>	korda333@gmail.com; goransimic129@gmail.com; tanjasb@gmail.com 036 / 336 - 306, - 309;				
<i>Course objectives:</i>	<ul style="list-style-type: none"> - To enable the students to acquire appropriate knowledge about the causes, clinical finding, diagnosis and treatment of most pathological conditions in the face, jaw, oral cavity, oropharynx, paranasal sinuses, large salivary glands and neck that are in the field of maxillofacial surgeon. - To enable the students to acquire appropriate skills that enable diagnosis, first aid and problem solving in the field of maxillofacial surgery at the level of primary practice. - Educate the students to acquire positive attitudes that are important for their communication with patients, colleagues and associates in solving medical problems. 				
<i>Learning outcomes</i>	After completing the course, the students will acquire the following knowledge, skills and attitudes:				

<p><i>(general and specific competences):</i></p>	<p>General competencies: During their studies, they will be able to plan independent learning by critically and self-critically questioning scientific truths. They will be able to demonstrate personal qualities (teamwork and personal contribution, interest, active listening and building positive relationships with group members, ability to defend their views in an argumentative manner). Specific competencies: They will know the surgical anatomy of the organs and regions of the head and neck that are in the domain of the maxillofacial surgeon and use their knowledge to understand the surgical procedures in maxillofacial surgery. They will be able to use the basics of clinical physiology, embryology and histology to explain pathological conditions of the head and neck region that are in the domain of the maxillofacial surgeon. They will be able to perform diagnostics and treatment at the level required for the work of a medical doctor in primary practice on the basis of acquired knowledge of etiopathogenesis, clinical picture and diagnosis of diseases in the field of maxillofacial surgery. They will be able to use specific instruments for basic diagnostic procedures in maxillofacial region and determine the condition of the organs and regions of the head and neck. Based on the above acquired knowledge and skills, they will be able to implement the transfer of knowledge, prevention and basics of treatment of injuries and diseases in the field of maxillofacial surgery at the level of primary practice. They will be able to provide first aid in emergencies in the head and neck region, especially facial and jaw bone fractures and soft tissue injuries.</p> <p>Learning outcomes will be evaluated during classes by continuous testing of knowledge - insight into the acquired practical skills in exercises, through practical work and clinical examination of patients in the clinic and ward, discussions during seminars and the final exam.</p>			
<p><i>Syllabus/Course content (in brief):</i></p>	<p>In the course of maxillofacial surgery, students will acquire knowledge and skills that enable them to actively implement prevention, diagnosis and treatment of injuries and diseases of the head and neck at the level of primary care physicians. The student should fully master propaedeutics, clinical examination and be able to independently diagnose and perform simpler procedures.</p>			
<p><i>Type of instruction (mark in bold)</i></p>	<p>Lectures</p>	<p>Special clinical practicals</p>	<p>Seminars</p>	<p>Independent assignments</p>
	<p>Consultations</p>	<p>Work with mentor</p>	<p>Field work</p>	<p>Other</p>
	<p>Notes: The teaching day begins with lectures, followed by seminars and ends with exercises. The student actively participates in the seminar in processing certain teaching topics . During the exercises, the student gets acquainted with the clinical examination of patients and gets acquainted with the instruments used for the diagnosis and treatment of diseases that are in the</p>			

	domain of the subject. Students first learn to use the aforementioned aids on each other, and then use them to examine patients. In the outpatient department, polyclinic and in the ward the student assists to specialists or independently performs diagnostic procedures or therapeutic interventions under the supervision and assistance of a specialist. In the operating rooms, the student learns about materials, instruments, devices and procedures that are specific to maxillofacial surgery. Follows and assists in head and neck surgeries, independently performs primary treatment of minor wounds under the supervision of a specialist.			
Student responsibilities	Attendance and active participation in teaching; seminar obligations; practical work with patients in surgeries, inpatient wards and operating room; colloquium; final exam. Students will be monitored and graded based on: <ul style="list-style-type: none"> • Active participation in seminars and exercises, • Analysis of teaching texts, developing one's own critical thinking about the material and the way of presenting and defending one's position, • Cooperation in small groups on practical work in the processing of patients and patient documentation during classes, Demonstrated knowledge at the practical skills exam and at the final exam 			
Screening and evaluation of students (mark in bold)	Class attendance	Class participation	Seminar work	Practical work
	Colloquium - Practical exam	Final exam	Continuous assessment	Essay
Detailed evaluation within the European Credit Transfer System				
OTORHINOLARYNGOLOGY – HEAD AND NECK SURGERY (7 ECTS)				
STUDENT RESPONSIBILITIES	HOURS (ESTIMATE)	SHARE IN ECTS	SHARE IN GRADE	
Class attendance and participation	20	0.60	0%	
Colloquium – Practical exam	5	0.10	0%	
Final exam	10	0.30	100%	
Students who have attended classes regularly have the right to access the exam. A student who missed more than 20% of exercises or the rest of the course, in agreement with the assistant, will do the compensation at the Polyclinic for Maxillofacial Surgery, University Clinical Hospital in Mostar or in agreement with the assistant present a seminar topic. They can take the exam with assistant's certificate of the completed obligations.				
The exam in Maxillofacial Surgery includes:				
1) Colloquium - includes a test of acquired clinical skills and is conducted as: - written test				

- test of performing clinical skills - interpretation of patient findings (radiological, laboratory, pathohistological)

Participation in classes (minimum 80%) and passing the colloquium are the conditions for taking the final exam.

2) The final exam (first exam deadline) is conducted exclusively by a written test (30 questions, multiple choice, one correct answer).

SCORING SCORES

Excellent (5)	28-30
Very good (4)	25-27
Good (3)	20-24
Sufficient (2)	17-19
Insufficient (1)	0-16

The remedial exam (all subsequent deadlines for students who did not take the exam, did not pass the exam or want a higher grade) is oral. The list of questions is available to students and the exam consists of 4 questions (traumatology, malformations and deformities, tumors, inflammatory diseases of the head and neck).

<i>Required literature:</i>	Lit 1 Lukšić at all. Maxillofacial surgery, 2023 Lit 2 Lecture handouts and selected relevant articles
<i>Additional literature:</i>	Presentations of lectures are available to students. Video presentations of skills performed on education medical models are available to students at the course website.
<i>Additional information about the course</i>	Methods of monitoring the quality of the teaching process: Student survey (survey of the Medical School Mostar and survey of the Department of Diseases of the Head and Neck) Student-teacher quality control report Exam pass rates and results Teaching quality office report Self-evaluation and external evaluation (visits of quality control teams)

TEACHING TOPICS

<i>Number and identification of teaching unit (L-lecture, S-seminary, P-practicals):</i>	TOPICS AND LITERATURE
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L1	Title: Introduction to maxillofacial surgery - origin and history of the profession Literature: Lit1
L2	Title: Traumatology of the face and jaw Literature: Lit1
L3	Title: Deformities of the face and jaw Literature: Lit1
L4	Title: Tumors of the head and neck Literature: Lit1
L5	Title: Inflammation in the head and neck region Literature: Lit1
L6	Title: Malformations of the face and jaw Literature: Lit1
S1	Title Classification of skin flaps Literature: Lit1
S2	Title: Reconstructions and aesthetic surgery of the head and neck. Literature: Lit1
S3	Title: Odontogenic inflammations - principles of treatment Literature: Lit1
S4	Title: Osteosynthesis of the mandible and maxilla - principles of treatment Literature: Lit1
S5	Title: Neck dissections - classification Literature: Lit1
S6	Title: Lip and palate surgery - surgical techniques Literature: Lit1
S7	Title: Preoperative planning in orthognathic surgery Literature: Lit1
P1	Title: Clinical examination of patients Literature: Lit1
P2	Title: Suturing a wound on a model Literature: Lit1
P3	Title: Setting of IMF; typpes of OS in the MF region Literature: Lit1
P4	Title: Local flaps in the head and neck region Literature: Lit1
P5	Title: Postoperative care of MF patients Literature: Lit1
P6	Title: Analysis of pre- and postoperative X-rays in facial bone fractures Literature: Lit1
P7	Title: Analysis of dental models, clinical photographs and X-rays in deformities Literature: Lit1