Attachment No. 3		Course program for the first cycle of studies			
1.	Course title	Orthodontic - surgical treatment of craniofacial deformities			
2.	Code	DMEOS6			
3.	Study program	Dentistry - integrated first and second cycle of studies			
4.	Organizer of the study program (unit, i.e., institute, department, division)	UKIM - Faculty of Dentistry, Department of Orthodontics			
5.	Degree (first, second, third cycle)	Integrated First and Second Cycle Studies			
6.	Academic year/semester	Year	6	semester	11
7	Course workload expressed in ECTS credits	2			
8.	Teacher (in case of multiple teachers, designated teacher in charge)	Prof. Dr. Cvetanka Bajraktarova Mishevska Teachers from the Department of Orthodontics			
9.	Language in which the curriculum is conducted	English			
10.	Necessary prerequisites for taking and passing the course	Completed course in Orthodontics			
11.	Course objectives (competences) and learning outcomes:	The objective of the course is to introduce students to the skeletal orthodontic malocclusions and their treatment. From the initial planning, through the orthodontic and surgical phases, to the postoperative phase in treating these irregularities, with special emphasis on surgical methods.			
12.	Detailed course content by chapters and units, with learning outcomes for each chapter	Theoretical instruction - lectures Chapter 1 - Orthodontic surgical treatment of skeletal orthodontic malocclusions in sagittal, transverse, and vertical planes - Orthodontic methods and techniques for making a plan and treatment of skeletal orthodontic malocclusions 1 class - Planning and orthodontic-surgical treatment of patients with skeletal malocclusion			

		II class 2 classes - Planning and orthodontic-surgical treatment of patients with skeletal malocclusion III class 2 classes - Planning and orthodontic-surgical treatment of patients with skeletal crossbite and facial asymmetry 1 class - Planning and orthodontic-surgical treatment of patients with skeletal open bite 1 class - Planning and orthodontic-surgical treatment of patients with skeletal deep bite 1 class Outcomes from chapter 1: Students learn about clinical and diagnostic methods and procedures, orthodontic therapeutic options, and indications for surgical treatment, as well as the most favorable time period for the treatment of skeletal anomalies in the sagittal, transverse, and vertical planes. Chapter 2 – Orthodontic surgical treatment of various dentofacial and craniofacial anomalies - Orthodontic surgical treatment of patients with impacted teeth 2 classes - Orthodontic surgical treatment of patients in whom frenulectomia is indicated 1 class - Planning and orthodontic surgical treatment of patients with TMJ ankylosis 1 class - Planning and orthodontic surgical treatment of patients with clefts of the mouth, alveolar ridge, and palate 1 class - Planning and orthodontic surgical treatment of patients with craniofacial deformities 2 classes Outcomes from chapter 2- The Students learn about the diagnostic and therapeutic procedures that are carried out in patients with various dentofacial and craniofacial anomalies Total: .....15 classes Practical instruction - seminars - From the first chapter 8 classes - From the second chapter 7 classes Total .....15 classes		
13	Interrelation of subjects	Interrelation with Orthodontics		
14.	Detailed description of the teaching and working methods for the subject	Interactive instruction, working in small groups (exercises), and other forms set by the joint ECTS criteria.		
15.	Total available time	60 classes		
16.	Forms of teaching activities	16.1.	Lectures - theoretical teaching classes	15 classes
		16.2.	Exercises (laboratory, auditorium), seminars, teamwork: classes	15 classes
		16.3.	Practice: classes	
17.	Other forms of activities	17.1.	Project assignments: classes	
		17.2.	Independent assignments: classes	
		17.3.	Home study - assignments	30 classes
18	Signature requirements	The requirement for receiving a signature is attendance at lectures and seminars.		
19	Grading method			
	19.1.	Tests: points		40
	19.2.	Seminar paper/project, written and oral presentation: points		20
		Activity and attendance at lectures and seminars: points		10
	19.3.	Final exam: points		30

20	Grading criteria (points/grade)		up to 59 points	5 (five) (F)	
			from 60 to 68 points	6 (six) (E)	
			from 69 to 76 points	7 (seven) (D)	
			from 77 to 84 points	8 (eight) (C)	
			from 85 to 92 points	9 (nine) (B)	
			from 93 to 100 points	10 (ten) (A)	
21.	Method of monitoring the quality of instruction		Self-evaluation by students, control by assistants in carrying out practical instruction, and assessment of the students' success, as well as the pass rate of students who have passed the course		
22.	Literature				
	22.1.	Required literature			
		Ord. No.	Author	Title	Publisher	Year
		1.	James R Hupp, Myron R Tucker, Edward Ellis	Contemporary Oral and Maxillofacial Surgery	ELSEVIER	2019
		2.	Mohammad Hosein Motamedi	A Textbook of Advanced Oral and Maxillofacial Surgery: Volume 2	InTech	2015
		3.	Paolo Ronchi	Orthodontic-surgical Treatment of Dentofacial Anomalies: An Integrated Esthetic-functional Approach	Quintessenza Edizioni Srl	2005
	22.2.	Additional literature				
		Ord. No.	Author	Title	Publisher	Year
		1.	Ashok Karad	Clinical Orthodontics: Current Concepts, Goals and Mechanics	ELSEVIER	2015
		2.	Adrian Becker	Orthodontic Treatment of Impacted Teeth	WILEY-BLACKWELL	2012