Attachment No. 3		Course program for the first cycle of studies
1.	Course title	Oral Surgery 2
2.	Code	DMMOS5
3.	Study program	Dentistry - integrated first and second cycle of studies
4.	Organizer of the study program (unit, i.e., institute,	UKIM - Faculty of Dentistry – Skopje, Department of Oral Surgery

	department, division)				
5.	Degree (first, second, third cycle)	Integrated First and Second Cycle Studies			
6.	Academic year/semester	Year	5	Semester	9 и 10
7	Course workload expressed in ECTS credits	7			
8.	Teacher (in case of multiple teachers, designated teacher in charge)	Teacher in charge: Prof. Dr. Marina Kacarska * All professors from the department give lectures			
9.	Language in which the curriculum is conducted	English			
10.	Necessary prerequisites for taking and passing the course	Completed all mandatory courses from the fourth year and passed all mandatory courses from the third year			
11.	Course objectives (competences) and learning outcomes:	The students will acquire skills in diagnosis and differential diagnosis, setting indications and planning extraction, performing methods of local infiltrative anesthesia, performing typical and atypical extractions in healthy patients and in patients at risk, recognizing, preventing complications during and after tooth extraction, and their treatment. The students should master the issues of of jaw odontogenic and non-odontogenic cysts, the specifics of oral surgical interventions in childhood and oral surgical-orthodontic interventions, surgical interventions on soft and bone tissues within the framework of pre-prosthodontic surgery, diagnostic and therapeutic procedures in dental trauma, reimplantation, tissue regeneration, complications in surgical interventions, laser surgery, pharmacology in oral surgery, pre-cancers and tissue biopsy.			
12.	Detailed course content by chapters and units with learning outcomes for each chapter	Theoretical instruction - lectures 1. Chapter: Jaw cysts - Odontogenic jaw cysts .....2 classes - Non-odontogenic cysts .....2 classes - Surgical treatment of jaw cysts .....2 classes Outcomes from chapter 1: The students will be introduced to the problems of odontogenic and non-odontogenic jaw cysts, diagnosis, differential diagnosis, and methods of surgical therapy. 2. Chapter: Oral-surgical complications - Prevention and care of oral-surgical complications .....2 classes Outcomes from chapter 2: The students will be introduced to the clinical image, diagnosis, therapy, and prevention of the most common complications of oral surgical interventions 3. Chapter: Oral-surgical interventions in childhood - Oral-surgical-orthodontic interventions .....2 classes - Oral surgical interventions in childhood .....2 classes Outcomes from chapter 3: The students will be introduced to the specifics of performing surgical therapy in children, and with surgical-orthodontic interventions. Colloquium 1.....2 classes 4. Chapter: Traumatic injuries of teeth, dental grafts and water-based regeneration - Traumatic injuries of teeth .....2 classes - Dental grafts - reimplantation of teeth ..... 1 class - Tooth transplantation.....1 class - Water-based regeneration .....1 class Outcomes from chapter 4: The students will be introduced to the most common traumatic injuries of permanent			

		teeth, procedures of reimplantation and tooth transplantation and principles of water-based regeneration Chapter 5 – Preprosthodontic surgery - Preprosthodontic surgery of soft tissues ..... 1 class - Preprosthodontic surgery of bone tissues..... 1 class Outcomes from chapter 5: The students will be introduced to the surgical interventions performed on the soft tissue and bone foundation in order to provide an adequate anatomical foundation for successful prosthodontics. 6. Chapter – Unconsciousness - Episodic unconsciousness.....2 classes Outcomes from chapter 6: The students will be introduced to the most common states of unconsciousness, their prevention, and treatment. 7. Chapter – Lasers in surgical practice Application of laser in oral surgery.....2 classes Outcomes from chapter 7: The students will be introduced to the physical and application aspects of lasers, as well as the specifics of laser surgical interventions. 8. Chapter – Pharmacology - Pharmacology in oral surgery .....2 classes Outcomes from chapter 8: The students will be introduced to the pharmacological agents used in oral surgery. 9. Chapter: Precancerous conditions and additional diagnostic procedures - Precancerous.....2 classes - Biopsy diagnostic procedures.....1 class Outcomes from chapter 9: The students will be introduced to the most common precancerous conditions and the methods of tissue biopsy as an important additional diagnostic tool. Total:.....30 classes Practical teaching - exercises - Diagnosis, differential diagnosis, and treatment plan.....30 classes - Typical extractions of separate morphological groups of teeth in the upper and lower jaw.....30 classes - Atypical extractions of separate morphological groups of teeth in the upper and lower jaw.....2 classes - Planning of extractions in patients at risk.....5 classes - Complications after tooth extraction.....2 classes - Attendance in the operating room.....3 classes Total .....75 classes		
13	Interrelation of subjects	oral surgery 1, clinical radiology, pharmacology, oral medicine, and pathology		
14.	Detailed description of the teaching and working methods for the subject	Interactive instruction, clinical exercises, working in small groups, demonstration and independent performance of typical tooth extraction with application of local anesthesia, selection of instruments, performance of atypical extractions in healthy patients and patients at risk, prevention of complications, diagnosis and treatment, and teamwork (according to the specifics of the course)		
15.	Total available time	210 classes		
16.	Forms of teaching activities	16.1.	Lectures - theoretical teaching classes	30 classes
		16.2.	Exercises (laboratory, auditorium), seminars, teamwork: classes	75 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	105 classes
18	Signature requirements	Regular attendance at theoretical teaching 3-5 points (minimum 60% attendance). Regular attendance and activity of practical teaching 5-8 points		
19	Grading method			

	19.1.	Tests: points		Тест 1 20 points Тестa 2 20 points	
	19.2.	Seminar paper/project, written and oral presentation: points		5 points	
	19.3.	Final exam: practical and oral		10+45=55 points	
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.	Todorovikj Lj	Oral Surgery	Boegrad: Nauka	2002
2.	Todorovikj J	Dental anastesia	Boegrad: Nauka	2001
3.	Kacarska M. J.	Diagnosis and surgical treatment of periapical inflammatory lesions	UKIM Faculty of Dentistry, Skopje	2013
4.	Markovikj A.	Oral Surgery Practicum	Faculty of Dentistry, Belgrade	2011
5.	Petrovikj V.	Jaw, face, and neck cysts	Boegrad: Nauka	1994
6.	Hupp R. James	Contemporary Oral and Maxillofacial Surgery	Arberia Design	2017
7	Mirjana Popovska, Zlatanka Belazelkovska, Aneta Atanasovska Stojanovska, Vera Radojkova Nikolovska, Kristina Mitikj	Oral Medicine and Pathology (textbook)	Faculty of Dentistry, Skopje	2013

22.2. Additional literature

Ord. No.	Author	Title	Publisher	Year
1.	Petrovikj V.	Periapical lesions	Beograd: Velarta	2001
2.	Perovikj J.	Oral Implantology	Faculty of Dentistry, University in Belgrade	2004
3.	Fragiskos F. D.	Oral Surgery	Springer-Verlag Berlin Heidelberg	2007
4.	Convissar R.A. DDS	Principles and Practice of Laser Dentistry	Mosby Elsevier	2010