

1	Subject	ORAL SURGERY 1			
2	Code	DOR402			
3	Study Program	Study Program of Integrated studies in dental medicine			
4	Organizing Institution (Unit, Institute, Chair, Department)	Department of oral surgery			
5	Educational degree (first or second cycle)	Integrated study			
6	Study year/semester	4/ 7 and 8	7	Number of credits	8
8	Teacher	Prof. d-r.B.Velickovski, Prof.d-r M.Peeva Petreska, Prof.d-r O.Dimitrovski, Prof.d-r M.Kacarska, Prof.d-r E.Janev, Prof.d-r D.Veleska Stevkovska			
9	Preconditions	Passed all compulsory courses of 3 and 4 semester. Signatures of 5 and 6 semester courses			
10	<p>Teaching goals:</p> <p>Basic knowledge of anamnestic and clinical methods for patient evaluation from oral surgical aspect</p> <p>Basic knowledge of the methods for performing local infiltrative anesthesia</p> <p>Basic knowledge of oral surgery and tooth extraction instruments</p> <p>Capable of setting a diagnosis and differential diagnosis</p> <p>Capable of determining a therapy plan</p> <p>Capable of performing certain therapeutic procedures (local infiltrative anesthesia, typical and atypical teeth extractions, typical and atypical teeth extractions in medical compromised patients, treatment of complications associated with local infiltrative anesthesia and complications related to tooth extraction)</p> <p>Wider knowledge of oral surgical casuistry</p> <p>Odontogenic and no odontogenic cysts of the jaws and surgical treatment</p> <p>Prevention and care of oral surgical complications</p> <p>Oral surgery-orthodontic interventions</p> <p>Oral surgery interventions in childhood</p> <p>Dental grafts</p> <p>Preprosthetic surgery</p> <p>Application of bone grafts and alloplastic materials in the orofacial region</p> <p>Presence of a student in the operating room.</p>				
11	Brief content				
	Theoretical course				Class
	Anatomical topography of the orofacial region: osteology, muscles, vascularization and innervation zones				2
	Principles of asepsis and antisepsis Preoperative patient evaluation for oral surgery intervention				2
	Pathophysiological mechanisms of pain from oral surgical aspect Local infiltrative anesthesia and different types of local anesthetics				2
	Terminal infiltrative anesthesia in the upper and lower jaw				2
	Nerve block anesthesia in maxilla - intraoral and extraoral methods				2
	Nerve block anesthesia in mandible - intraoral and extraoral methods				2
	General and local complications during local anesthesia				2
	Instruments for teeth extractions in upper and lower jaw and oral surgical instruments				2
	Principles of extraction Typical teeth extractions in upper and lower jaw				2
	Atypical teeth extractions in upper and lower jaw Complications during teeth extractions				2
	Extraction wound healing Complications after teeth extractions				2
	Oral surgical aspects in medical compromised patients				4

	Acute odontogenic infection	2
	Test 1	2
	Complex odontogenic infection	2
	Basic surgical principles	1
	Chronic periapical diseases	2
	Therapeutic procedures in chronic periapical diseases	2
	Impacted teeth	2
	Dental radiography in oral surgery	2
	Prevention and treatment of medical emergencies in the dental office	2
	Test 2	2
	Total	45
	Practical lessons:	Class
	Introduction with oral surgery subject, the tasks, goals and methods Introduction with the procedures and devices for sterilization, asepsis and antisepsis	2
	Medical history(anamnesis) from oral surgical aspect Extraoral and intraoral clinical examination	2
	Anatomical topography of orofacial region - os maxillae, innervation zones and aplicaion of terminal anesthesia in the upper jaw	2
	Anatomical topography of orofacial region - os mandibullae, innervation zones and aplicaion of terminal anesthesia in the lower jaw Nerve block anesthesia for the oral branches of n mandibullaris (n alveolaris inferior, n lingualis, n buccalis)	2
	Local and general complications during and after application of local anesthesia	2
	Demonstration of instruments for teeth extractions in the upper jaw and oral surgical instruments	2
	Demonstration of instruments for teeth extractions in the lower jaw	2
	Principles of extraction	2
	Typical extractions of different morphological teeth groups	12
	Test 1	2
	Typical extractions of different morphological teeth groups	18
	Atypical teeth extractions in upper and lower jaw	6
	Complications during teeth extractions	3
	Complications after teeth extractions	3
	Typical and atypical teeth extractions in medical compromised patients	9
	Presence of a student in the operating room during oral surgery intervention	3
	Test 2	3
	Total	75
12	Methods of studying: class room oriented lectures, interactive lectures, group work, practical training, seminar paper	
13	Total available time	240 classes

14	Organization of the course	45 classes - theoretical course, 75 classes- practical course, 120 classes - home individual learning and other activities				
15	Forms of teaching activities	15.1.	Theoretical course		45 classes	
		15.2.	Practical course, seminars		Practical course- 75 classes	
16	Other forms of activities	16.1.	Project tasks			
		16.2.	Individual tasks			
		16.3.	Individual (home) learning		120 classes	
17	Method of assessment	17.1.	Test 1 Test 2		20 points 10 points	
		17.2.	Presence on theoretical classes Presence and activity on practical classes		3 points 7 points (2+5)	
		17.3.	Final (oral) exam		60 points	
18	Grading criteria (points / grade)	Up to 59 points			5 (five) (F)	
		from 60 to 67 points			6 (six) (E)	
		from 68 to 75 points			7 (seven) (D)	
		from 76 to 84 points			8 (eight) (C)	
		from 85 to 93 points			9 (nine) (B)	
		from 94 to 100 points			10 (ten) (A)	
19	Requirement for signature and taking the final exam	<p>The student is required to actively follow all of the planned activities.</p> <p>Conditional criteria for assessment of knowledge: In order to get a signature, the student should obtain minimum points in both theoretical and practical courses, and to present seminar paper; In order to take the final exam, the student should obtain the minimum points from activity and test; If the student has not obtained the minimum points in the continual assessments, he/she in next exam session will have paper part of the exam (40 points) and final exam (60 points)</p>				
20	Language of the course	English				
21	Method for evaluation of the quality of education	Anonymous student's evaluation of the subject, teachers and collaborators involved in the educational activities				
22	Literature					
	22.1.	Mandatory textbooks				
		No.	Author	Title	Publisher	Year
		1	Neil S. Norton	Netter's Head and Neck Anatomy for Dentistry	Elsevier Saunders	2012
		2	Teachers from the Department of oral surgery	Authorized and systematized lectures		
		3	Baart J.A., Brand H.S.	Local anesthesia in dentistry	Wiley-Blackwell	2009
		4	Fragiskos D.	Oral surgery	Springer	2007
5	James R. Hupp	Contemporary oral and maxillofacial	Mosby, Elsevier	2014		

				surgery		
		6	Peterson Larry J.	Contemporary oral and maxillofacial surgery	Mosby Year Book, Inc	1993
	22.2.	Additional literature				
		No.	Author	Title	Publisher	Year
		1	James W. Little	Dental Management of the Medically Compromised Patient	Elsevier, Mosby	2013
		2	Stanley Malamed	Local anesthesia	Elsevier	2011
		3	Stanley Malamed	Medical emergencies in the dental office	Mosby, Elsevier	2007