1	Subject	General pathology					
2	Code	DOP206					
3	Study Program	Study Program of Integrated studies in dental medicine					
4	Organizing Institution (Unit,	UKIM – Medical Faculty					
	Institute, Chair, Department)	Department of Pathology					
5	Educational degree (first or	Integrated study					
	second cycle)		I	ſ			
6	Study year/semester	2/3	7	Number of	4		
				ECIS			
0	Taachar	Prof Liliana Spacovski	2	creats	<u> </u>		
0	Dresonditions	Proi. Liijana Spasevska					
9		Signatures of first and	second semester	courses			
	 The student will get to know the causes and general mechanisms of development of the diseases, as well as understand the structural and functional changes in the cells, tissues and organs by using the routine morphological and contemporary molecular techniques. While studying general pathology, the student will learn about the basic cellular and tissue responses to various pathological stimuli. 						
11	Brief content						
	Theoretical course					Class	
	Cellular injury, adaptations and de	ath				5+2	
	Overview of cell injury and cellular adaptations of growth	ell death					
	 Mechanisms and morphology 	v of cell iniurv					
	 Intracellular accumulations 	y or oon injury					
	 Pathologic calcification 						
	Hemodynamic disorders, thrombo	sis and shock				5+2	
	Edema, hyperemia and cong	estion					
	 Hemorrnage Thrombosis embolism infart 	ction					
	 Finite models in the second sec						
	Acute and chronic inflammation					5+2	
	 Acute inflammation 						
	Chemical mediators of inflam	Imation					
	Outcome of acute inflammation Morphologic pottorno of court	Outcome of acute inflammation					
	 Morphologic patients of activity Chronic inflammation 	Morphologic patients of acute inhammation Chronic inflammation					
	Tissue regeneration and reparation						
	 Control of normal cell prolifer 	ation and tissue growth				2.0	
	 Repair by healing, scar forma 	ation and fibrosis					
	Cutaneus wound healing						
	Specific inflammation					3+2	
	I uberculosis						
	 Actinomycosis 						
	Immunopathology					5+2	
	 General features of immune system 					0.2	
	Disorders of the immune system						
	Pathology of the neoplasia 5						
	 Definitions, nomenclature, epidemiology Malassian for a subscription of a su						
	 Molecular basis of cancer Molecular basis of multistop 	carcinogenesis					
	 Morecular basis of multistep (Host defense against tumors) 	เล่าเทบบู่ยายอเอ					
	 Clinical features of tumors 						
	Total	Total 30+15					
1							

	Practical lessons:					
	Introduction to diagnostic techniques in pathology Pathology of cell injury Hemodynamic disorders Introduction to dissection and macroscopic analyses of surgical specimens Inflammation Tumor pathology					
	Total					
	Seminars					
	Elaboration of topics from the relevant material, presentation of the topics by the students and active involvement of the students until discussion of the given topic.					
12	Methods of studying: class room oriented lectures, interactive lectures, group work, practical training, seminar paper					
13	Total available time	otal available time 120 classes				
14	Organization of the	course	30 classes - theoretical course, 15 classes- pr seminars, 65 classes - home individual learning ar	- theoretical course, 15 classes- practical course, 15 classes - home individual learning and other activities		
15	Forms of teaching	15.1.	Theoretical course	30 classes		
	activities	15.2.	Practical course, seminars	Practical course- 15 classes seminars – 15 classes		
16	Other forms of activities	16.1.	Project tasks			
10	activities	16.2.	Individual tasks			
		16.3.	Individual (home) learning	65 classes		
17	Method of assessment	17.1.	Continuous checks of knowledge: Written test during the exam session, covering the following chapters: cell injury, adaptations and death; hemodynamic disorders; acute and chronic inflammation; specific inflammation; tissue regeneration and reparation.	Maximum 40 points, minimum 24 points		
		17.2.	Active participation, seminar paper/project (oral/written presentation)	2 points		
		17.3.	Final (oral) exam integrative + practical part (analysis and diagnosis of 2 histopathology slides)	Maximum 40 (20+20) points minimum 20 (10+10) 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)		9 (nine) (B)	(B)	
		from 94 to 100 points 10 (ten		10 (ten) (A)	10 (ten) (A)	
19	Requirement for signature and taking the final exam	 The student is required to actively follow all of the planned activities. Conditional criteria for assessment of knowledge: Conditions for a signature In order to get a signature, the student should obtain minimum points in both theoretical and practical courses: the student must attend at least 13 practical courses (of maximum 15), and 60% of the theoretical lessons. Minimum 13 practical courses – 13 points, theoretical lessons – 3 points Maximum 15 practical courses – 15 points, theoretical lessons – 5 points Conditions to take the final exam In order to take the final exam, the student has to pass the General pathology test first: 				

		minimum 24 points, maximum 40 points.						
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.	Kumar V, Cotran RS, Robbins SL. Robbins	Pathologic basis of disease. 8th ed.	W.B. Sounders Company, Philadelphia	2010		
		2.	Група автори	Практикум за хистопатолошки вежби, за студенти по медицина и стоматологија	Катедра по патологија, Медицински факултет, Скопје	2008		
	22.2.	Additional literature						
		No.	Author	Title	Publisher	Year		
		1.	Група автори	Авторизирани предавања по Патологија 1	Катедра по патологија, Медицински факултет, Скопје	2008		