Attachment No. 3		Course program for the first cycle of studies			
1.	Course title	Pathological principles of the diseases			
2.	Code	DMMPD2			
3.	Study program	Dentistry - integrated first and second cycle of studies			
4.	Organizer of the study program (unit, i.e., institute, department, division)	University "Ss. Cyril and Methodius" in Skopje. Faculty of Medicine - Skopje, Department of Pathology			
5.	Degree (first, second, third cycle)	Integrated first and second cycle studies			
6.	Academic year/semester	Year	2	Semester	4
7	Course workload expressed in ECTS credits	5			
8.	Teacher (in case of multiple teachers, designated responsible teacher)	Head of Department Prof. Dr. Magdalena Bogdanovska Todorovska *Teaching is performed by all members of the department			
9.	Language in which the curriculum is conducted	English			
10.	Necessary prerequisites for listening and taking the class	Listened to all subjects from I and II semester			
11.	Course objectives (competences) and learning outcomes:	- The student should become familiar with the etiopathogenetic mechanisms of the occurrence of diseases. - The student should become familiar with the macroscopic and histopathological changes of tissues and organs in diseases of all systems. - The student should be equipped for morphological diagnosis of diseases, as well as to get acquainted with modern techniques in the diagnosis of diseases. - The student should get acquainted with the basic clinical manifestations of the diseases.			
12.	Detailed course content by chapter and units, with the learning outcomes for each chapter	Content of the subject program: Theoretical teaching: Pathology of the reticuloendothelial system...4 classes Pathology of the cardiovascular system...4 classes Pathology of the respiratory system...4 classes Pathology of the digestive system... 4 classes Pathology of the oral cavity...4 classes Pathology of the urinary system...1 class Pathology of the hepatobiliary system...2 classes Pathology of the breast...2 classes Pathology of the endocrine system...4 classes Pathology of the central nervous system...4 classes Pathology of the genital system...4 classes Pathology of the skin...4 classes Pathology of the locomotor system...4 classes Practical teaching:			

		To master the skills for macroscopic and microscopic analysis and diagnosis of diseases of bioptic and surgical material... 15 classes		
13	Interrelation of subjects	Passed test in General Pathology		
14.	Detailed description of the teaching and working methods for the subject	Interactive teaching, exercises, working in small groups (according to the specifics of the subject)		
15.	Total Available Time	150 classes		
16.	Forms of teaching activities	16.1.	Lectures - theoretical teaching. Classes	45
		16.2.	Exercises (laboratory, auditorium), seminars, teamwork	15
		16.3.	Practice: classes	
17.	Other forms of activities	17.1.	Project assignments: classes	
		17.2.	Independent assignments: classes	
		17.3.	Home study - assignments	90
18	Signature requirements	Signature requirement: attendance of at least 13 exercises (15 in total) and at least 60% of theoretical lectures.		
19	Method of grading			
	19.1.	Tests:		Continuous knowledge verification (colloquium): written test Second week colloquium test covering the following sections: - Pathology of the reticuloendothelial system - Pathology of the cardiovascular system - Pathology of the respiratory system - Pathology of the oral cavity - Pathology of the breast - Pathology of the endocrine system - Pathology of the central nervous system The test is passed with a minimum of 24 out of a maximum of 40 points
	19.2.	Seminar work/project, written and oral presentation: points		
	19.3.	Final exam:		In order to access the final exam, the student must first pass the test provided for continuous examination. Final exam: Oral part* Practical part** *Oral exam (integrative) 3 questions from all areas covered by the subject program on Pathological principles of the diseases **Practical part (according to skill catalogue): microscopic analysis and diagnosis of 2 histological preparations The student is obligated to score a minimum of the stipulated points for each part of the exam separately. Otherwise, the exam is considered as failed. The subject grade is formed according to the table of grades, and based on the sum of the points from all activities, Continuous assessment and the final

				exam.	
20	Evaluation 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 teaching		Self-evaluation by students, assistant control during the practical teaching and assessment of the achieved student success, as well as the pass rate of students who have passed the subject		
22.	Literature				
	22.1.	Required literature			
		Ord. number	Author	Title	Publisher	Year
		1.	Kumar, Abbas, Fausto, Aster (editors)	Robbins and Cotran: Pathologic Basis of Disease	Ars Lamina, Skopje	2015
		2.	Kumar V, Abbas AK, Fausto N, Aster JC.	Pathologic Basis of Disease, 8th Edition	Saunders	2010
		3.	Group of authors	Histopathological Exercise Practices for Medical and Dental Students	Department of Pathology, Faculty of Medicine, Skopje	2008
	22.2.	Additional literature				
		Ord. number	Author	Title	Publisher	Year
		1.	Robbins and Cotran	Pathology Atlas	Saunders	2006/2010