Attachment No. 3		Course program for the first cycle of studies			
1.	Course title	Basics of Periodontology			
2.	Code	DMMBP4			
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 – Skopje, Department of Oral and Periodontal Diseases			
5.	Degree (first, second, third cycle)	Integrated First and Second Cycle Studies			
6.	Academic year/semester	Year	4	Semester	8
7	Course workload expressed in ECTS credits	3			
8.	Teacher (in case of multiple teachers, designated teacher in charge)	Teacher in charge: Prof. Dr. Kjiro Ivanovski Prof. Dr. Stevica Ristoska			
9.	Language in which the curriculum is conducted	English			
10.	Necessary prerequisites for taking and passing the course	All compulsory subjects from the third year must be completed, and all compulsory subjects from the second year must be passed			
11.	Course objectives (competences) and learning outcomes:	The student understands the meaning and structure of the supporting structures of the teeth. The student learns about the macroscopic (anatomical) and histological characteristics of periodontal tissues, the etiological factors for the occurrence of periodontal disease, the biofilm and its microbiological characteristics, as well as other factors that influence the development and characteristics of periodontal disease. To learn to recognize the clinical signs of periodontal disease, to distinguish between healthy and diseased periodontium, to get to			

		know the instruments used in the conservative and surgical treatment of periodontopathy, and to learn how to handle them.
12.	Detailed course content by chapters and units, with learning outcomes for each chapter	Theoretical instruction - lectures Chapter 1: Anatomy of periodontal tissues Basic concepts: periodontium, periodontopathy, and the significance of periodontology as a scientific sphere in the scientific field of dentistry ..... 1 class Macroscopic characteristics of the gingiva …1 class Microscopic characteristics of the gingiva …1 class Anatomohistological and functional characteristics of the periodontium and cementum.....1 class Anatomohistological and functional characteristics of the alveolar bone …… 1 class Clinical signs of periodontopathy, with emphasis on the periodontal pocket…… 2 classes Outcomes from chapter 1: The student is introduced to the structure and function of periodontal tissues and their importance as supporting tissues of the teeth Chapter 2: Epidemiology of periodontal disease Epidemiological characteristics of periodontal diseases, gingival, and periodontal indices .....1 class Outcomes from chapter 2: The student is introduced to the prevalence of gingival and periodontal disease in different population groups and in relation to different characteristics (gender, age, social status, level of oral hygiene, etc.) and introduced to the most commonly used indices for epidemiological research Chapter 3: Etiology of periodontal diseases - Etiology of periodontal disease, non-specific and specific plaque hypothesis, dental biofilm formation and characteristics …1 class - Iatrogenic factors and other local factors in the etiology of periodontal disease … 1 class Outcomes from chapter 3: The student is introduced to the characteristics of dental plaque - biofilm as the main etiological factor of periodontal disease and other factors that favor the disease (dental calculus, subgingival concretions, latrogenic factors, bad habits, mucogingival aberrations, etc.) Chapter 4: Microbiology of Periodontal Disease - Microbiology of Periodontal Diseases…2 classes Outcomes of the 4th chapter: The student is introduced to the most important microorganisms that are part of the biofilm, their virulence and pathogenic characteristics, as well as the different types of microbial complexes 5. Chapter: Systemic diseases and the state of the periodontium - Systemic factors in the etiology of periodontal disease. 1 class Outcomes of the 5th chapter: The student is introduced to the systemic diseases that have an impact on the development and clinical image of periodontal disease (diabetes, hormonal disorders, hematological diseases, nutritional disorders, etc.) 6. Chapter: Occlusal trauma ---------- 1 class Outcomes of the 6th chapter: the student is introduced to the characteristics of the masticatory forces that act on the periodontium and their impact on maintaining periodontal health (adaptive and reparative response). Computer test … 1 class Total:.....15 classes Practical training-exercises - From the first chapter …….. 8 classes - From the second chapter ..... 2 classes - From the third chapter ……2 classes - From the fourth chapter ……2 classes - From the fifth chapter …… 2 classes - From the sixth chapter …….2 classes - Clinical exercises …… 12 classes Total .....30 classes

13	Interrelation of subjects	Interrelation with Oral Hygiene, Oral Biochemistry, Clinical Periodontology		
14.	Detailed description of the teaching and working methods for the subject	Interactive teaching, exercises - laboratory or clinical, working in small groups, presentation and performance of laboratory procedures, demonstration of instruments and methods used, teamwork (according to the specifics of the course)		
15.	Total available time	90 classes		
16.	Forms of teaching activities	16.1.	Lectures - theoretical teaching classes	15 classes
		16.2.	Exercises (laboratory, auditorium), seminar paper, teamwork: classes	30 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	45 classes
18	Signature requirements	Regular attendance and activity at lectures (minimum 60%). Regular attendance and activity in exercises (minimum 90%). In order to take the final exam, the student must have passed the exams: Oral Biochemistry, Oral Hygiene, and Infectology. If the student does not earn the minimum points (24 points) required to pass the exam through continuous assessment, the student will take a test (40 points) and a final exam (60 points) in the next session.		
19	Grading method			
	19.1.	Tests: points		30 points
	19.2.	Seminar paper/project, written and oral presentation: points		10 points
	19.3.	Final exam: points		60 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.	Ivanovski Kj.	Preclinical periodontology (internal lecture script)	Faculty of Dentistry - Skopje	2014
2.	Ivanovski Kj.	Preclinical periodontology (internal exercise script)	Faculty of Dentistry - Skopje	2014

22.2. Additional literature

Ord. No.	Author	Title	Publisher	Year
1.	Linde J.	Klinička parodontologija i implantologija	Globus, Zagreb	2009
2.	B. Dimitrijevikj	Clinical periodontology	Zavod za udjbenike	2010
3.	Herbert F.Wolf, Edith M. RateitschakPluss i Klaus H. Rateitschak	Parodontologija, Stomatoloski atlas	NAKLADA SLAP	2009

		4.	Michael G. Newman & Perry R. Klokkevold & Satheesh Elangovan & Yvonne Kapila & Fermin A. Carranza & Henry Takei	Newman and Carranza's Clinical Periodontology and Implantology, 14th Edition	Saunders	2023