Attachment No. 3		Course program of the first cycle of studies			
1.	Course title	Preclinical cariology and restorative dentistry			
2.	Code	DMMPC3			
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 Dentistry – Skopje, Department of Endodontics and Restorative dentistry			
5.	Degree (first, second, third cycle)	Integrated First and Second Cycle Studies			
6.	Academic year/semester	Year	3	Semester	6
7	Course workload expressed in ECTS credits	6			
8.	Teacher	Prof. Dr. Marina Eftimoska *All teachers from the department will be included in the teaching			
9.	Language in which the curriculum is conducted	English			
10.	Necessary prerequisites for taking and passing the course	Completed all compulsory subjects from the second year and passed all compulsory subjects from the first year			
11.	Course objectives (competences) and learning outcomes:	The student should recognize the anatomical and histological characteristics of hard dental tissues, etiological factors for the occurrence of dental caries, classifications of the carious process, Black's general principles and preparation, excellent knowledge of the dental workplace and instruments, as well as the main characteristics of the materials used in restorative dentistry. Gaining the necessary knowledge and skills for the independent preparation of preparations, handling of materials, and placement of the restorative material in the cavity			
12.	Detailed course content by chapters and units with learning outcomes for each chapter	Theoretical teaching – lectures 1. Chapter 1. Introduction to the subject, dental tissues: enamel, dentin, cementum.2 classes 2. Etiology of dental caries, predilections for caries			

		development……2 classes 3. Instruments and devices for restorative dentistry……1 class 4. General rules for cavity preparation,……2 classes 5. Preparation of single-surface cavities……...1 class 6. Preparation of approximal cavities.....2 classes 7. Classifications of the carious process.....2 classes 8. Pathohistological changes in dental tissues under the influence of the carious process……1 class 9. Classifications of the carious process according to Mount, minimally invasive dentistry……..2 classes Results from chapter 1 The student will recognize the anatomical and histological characteristics of hard dental tissues, but also pathohistological changes in dental tissues under the influence of the carious process. It will focus on education about the etiological factors for the occurrence of dental caries, the classifications of the carious process, general principles of bleaching, and preparation of preparations. It will acquire excellent knowledge of the dental workplace and dental instruments. 2. Chapter 10. Classification of cavity sealing agents, dentin wound protection agents……2 classes 11. Temporary cavity sealing agents, substrates…….2 classes 12. Amalgams, matrix placement technique……..1 class 13. Adhesive systems.....2 classes 14. Composites.....2 classes 15. Glass ionomer cements.....2 classes 16. Inlays…….2 classes 17. Colloquium.....2 classes Results from chapter 2 The student will recognize the main characteristics of the materials used in restorative dentistry and will acquire the necessary knowledge and skills for independent preparation of preparations, handling of materials, and placement of the restorative material in the cavity Total: .....30 classes Practical teaching-exercises From the first Chapter - The dentist's workplace, functions of the equipment, dentist's position, hand instruments……3classes -General Black principles, preparation of class I on acrylic models according to Black …….3 classes -Preparation of Black class V and II……. 3 classes -Preparation of MOD preparation on a plaster model……3classes -Preparation of class III and IV on a plaster model……...3classes - Preparation of atypical caries and preparation for adhesive materials……3classes -Preparation of Black class I and V on phantom models…….. 3 classes -Preparation of class II and MOD on phantom models…… 3 classes -Preparation of class III and IV on phantom models ……3 classes From the second chapter Placement of phosphate substrates…… 6 classes Placement of matrices and restoration of posterior teeth ……..6 classes Restoration of anterior teeth…….. 6 classes Therapy of caries profunda, means for temporary closure of cavities..3classes Total .....45 classes		
13	Interrelation of subjects	Connection with Clinical Cariology, Clinical Endodontics		
14.	Detailed description of the teaching and working methods for the subject	Interactive teaching of preparation principles and their application in dentistry, guidelines, and recommendations for providing optimal working conditions that will enable more efficient and faster performance of work tasks. Clinical exercises, working in small groups, presentation, performance, and demonstration of preparation principles and the design of instruments and dental materials used in dentistry.		
15.	Total available time	180 classes		
16.	Forms of teaching	16.1.	Lectures - theoretical teaching. classes	30 classes

	activities	16.2.	Exercises (laboratory, lecture), seminars, teamwork: classes	45 classes
		16.3.	Practice: classes	
17.	Other forms of activities	17.1.	Project assignments: classes	
		17.2.	Independent assignments: classes	15 classes
		17.3.	Home study – assignments	90 classes
18	Signature requirements	Attendance at 80% of exercises and attendance at 60% of lectures		
19	Method of assessment			
	19.1.	Tests: points	1 colloquium - 20 points 2 colloquium - 20 points	
	19.2.	Seminar paper/project, written and oral presentation: points	10 points	
	19.3.	Final exam: points	50 points	
20	Grading criteria (points/grade)	from 59 points	5 (five) (F)	
		60 to 68 points	6 (six) (E)	
		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, control of assistants in carrying out practical teaching 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.	Lidija Popovska	Preclinical Cariology	Faculty of Dentistry in Skopje	2013
	22.2.	Additional literature				
		Ord. No.	Author	Title	Publisher	Year
		1.	Ole Fejerskov, Bente Nyvad, Edwina Kidd.	Dental Caries. The Disease and its Clinical Management. 3rd ed	Wiley-Blackwell	2015.
		2.	Mount GJ, Hume WR.	Preservation and restoration of tooth structure	Mosby International Ltd.	1998.