

		3.	Bajraktarova Valjakova E, Korunoska Stevkovska V, Georgieva S, Ivanovski K, Bajraktarova Misevska C, Mijoska A, Grozdanov A.	Hydrofluoric Acid: Burns and Systemic Toxicity, Protective Measures, Immediate and Hospital Medical Treatment.	Open Access Maced J Med Sci. 2018;6(11): 2257-2269.	2018
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Serial number: 39

Annex no. 3		First cycle study program			
1.	Title of courses	Contemporary technologies in prosthodontics CAD/CAM			
2.	Code	PDTMCC3			
3.	Study Program	Professional Dental Technicians			
4.	Organizer of the study program (unit, i.e. institute, department, division)	UKIM - Faculty of Dentistry – Skopje, Department of Dental Prosthetics			
5.	Degree (first, second, third cycle)	First Cycle			
6.	Academic year/semester	Year	3	semester	6
7.	Course load expressed in ECTS credits	4			
8.	Teacher (in case of multiple teachers, a responsible teacher is appointed)	Prof. Natasha Stavreva, PhD and teachers and associates from the Department of Dental Prosthetics			
9.	Course language	English			
10.	Necessary prerequisites for listening to and passing the course	Attended compulsory courses of second year, Removable Partial Dentures with Metal Framework and Dental ceramics 1			
11.	Course objectives (competencies) and learning outcomes:	The student will understand the digital workflow and integration of CAD/CAM systems in dental prosthetics. The student will obtain knowledge about the different types of digital imprint systems, about the digital design of prosthetic restorations using specialized CAD software and CAM manufacturing processes.			
12.	Detailed content of the course by chapters and units with learning outcomes for each chapter	Theoretical teaching - Lectures Chapter 1 Introduction and historical development of the CAD-CAM system 1 class Components and features and process of CAD-CAM 1 class Digital imprint systems, working with intraoral and laboratory scanners 1 class Design and fabrication of CAD-CAM restorations. Digital Smile Design 1 class Modern materials used for CAD-CAM-made restorations 1 class Chair-side CAD-CAM systems, clinical and laboratory workflow 1 class CAD-CAM technology in minimally invasive prosthetics: inlay, onlay and overlay restorations 1 class CAD-CAM made aesthetic vestibular veneers 1 class Crowns made with CAD-CAM technology 1 class			

		Bridges made with CAD-CAM technology 1 class Prosthetic restorations over implants made with CAD-CAM technology 1 class <i>Outcomes of the 1st chapter: The student will obtain knowledge of the concepts and principles of CAD/CAM systems and their application in dental prosthetics and knowledge of the different types of digital imprinting systems. The student will gain knowledge about the process of digital design and fabrication of prosthetic restorations with CAD/CAM technology. Additionally, will be introduced to modern materials used for digital restorations, as well as the workflow in clinical and laboratory practice. The student will learn how CAD/CAM technology is applied in various clinical situations, including minimally invasive restorations, fixed restorations</i> Chapter 2 Complete Dentures made with CAD-CAM technology 1 class Partial dentures made with CAD-CAM technology 1 class Temporary restorations made with CAD-CAM technology 1 class Application of CAD-CAM technology in other areas of dentistry 1 class <i>Outcomes of the 2nd chapter: The student will be introduced to removable prosthetic constructions, as well as implant-supported restorations. The student will also be introduced to the integration of digital smile design, as well as specialized applications of technology in other branches of dentistry.</i> Total: 15 classes <i>Exercises:</i> <i>Exercises of the 1st chapter (laboratory and classroom) 20 classes</i> <i>Exercises of the 2nd chapter (laboratory and classroom) ...10 classes</i> Total 30 classes		
13	Interrelationship of courses	Interrelation to Technology of removable dentures(Complete Denture), Technology of removable dentures(partial denture), Technology of Fixed Prosthesises (crowns), Technology of Fixed Prosthesises (bridges), Dental ceramics 1 and 2, Removable Partial Dentures with Metal Framework.		
14.	Detailed description of the teaching and working methods for the subject	Interactive teaching, work in small groups, presenting and performing laboratory procedures, teamwork		
15.	Total available classes fund	120 classes		
16.	Forms of teaching activities	16.1.	Lectures - theoretical teaching: classes	15
		16.2.	Exercises (<u>laboratory, classroom</u>), seminars, teamwork: classes	30
		16.3.	Practice: classes	
17.	Other forms of activities	17.1.	Project work: classes	
		17.2.	Individual work: classes	15
		17.3.	Homework - tasks	60
18	Signature requirements	Attendance to at least 60% of the lectures; Completed program in laboratory exercises.		
19	Method of the evaluation			
	19.1.	Tests: points		30
	19.2.	Seminar work/project, written and oral presentation: points		20

	19.3.	Final exam: points			50	
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, control of assistants in carrying out practical teaching and assessment of the achieved success of students, as well as the pass rate of students who have passed the course		
22.	Literature					
	22.1.	Compulsory literature				
		Serial number	Author	Title	Publisher	Year
		1.	Radi Masri, Carl F. Driscoll	Clinical Applications of Digital Dental Technology	Wiley Blackwell	2015
		2.				
		3.				
	22.2.	For further reading				
		Serial number	Author	Title	Publisher	Year
		1.	Andres Baltzer, Vanik Kaufmann-Jinoian, Andreas Kurbad, Kurt Reichel	CAD/CAM i potpuna keramika – Estetski nadomjesci u stomatološkoj praksi	Media Ogled d.o.o.	2009, Zagreb
		2.	Ishan Kadam	CAD-CAM IN PROSTHODONTICS A Revolutionary Avenue to Digital Dentistry	Lap Lambert Academic Publishing	2019
		3.				

Serial number: 40

Annex no. 3		First cycle study program			
1.	Title of courses	Esthetics in Prosthetic Dentistry			
2.	Code	PDTMEP3			
3.	Study Program	Professional Dental Technicians			
4.	Organizer of the study program (unit, i.e. institute, department, division)	UKIM - Faculty of Dentistry – Skopje, Department of Dental Prosthetics			
5.	Degree (first, second, third cycle)	First Cycle			
6.	Academic year/semester	Year	3	semester	6
7.	Course load expressed in ECTS credits	3			
8.	Teacher (in case of multiple	Prof. Dr. Vesna Korunovska Stevkovska			