

17.			17.2.	Individual work: classes	30	
			17.3.	Homework - tasks	30	
18	Signature requirements		Attendance to 60% of the theoretical classes and exercises			
19	Method of the evaluation					
	19.1.	Tests: points			40	
	19.2.	Seminar work/project, written and oral presentation: points			20	
	19.3.	Final exam: points			40	
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.	Nikolovska J. Kokolanovski V.	Dental management		
		2.	Shuklev B.	Menagement	Tabernakul, Skopje	2011
		3.				
	22.2.	For further reading				
		Serial number	Author	Title	Publisher	Year
		1.	Micovic P.	Zdravstveni menadzment.	Komora zdravstvenih ustanova Srbije, Belgrade	2008
		2.	Katrova L.	Basic of Dental Health and Dental Practice Management		2013
		3.				

Serial number: 29

Annex no. 3		First cycle study program			
1.	Title of courses	Removable Partial Dentures with Metal Framework			
2.	Code	PDTMSD3			
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	5

7	Course load expressed in ECTS credits	7
8.	Teacher (in case of multiple teachers, a responsible teacher is appointed)	Prof. Dr. Sanja Panchevska and teachers and associates from the Department of Dental Prosthetics
9.	Course language	English
10.	Necessary prerequisites for listening to and passing the course	Requirements for attendance to the course - attended all mandatory courses of second year, requirement for passing the exam - passed Technology of removable dentures (partial denture)
11.	Course objectives (competencies) and learning outcomes:	The student obtains knowledge about the indications for the fabrication of partial dentures on a metal framework (RPD), is introduced to all clinical and laboratory phases in the fabrication of metal skeleton dentures. The student can independently produce a RPD.
12.	Detailed content of the course by chapters and units with learning outcomes for each chapter	Chapter 1 – Elements of RPD Definition of RPD, indications and contraindications 2 classes Working with a dental parallelometer – basic positions, model analysis; Basic concepts for planning RPD 2 classes Elements of the RPD – gingival part – large connector, maxillary and mandibular connector 4 classes Elements of the RPD – gingival part – prosthetic saddles, small connector 2 classes Elements of RPD – dental part – retention systems – cast clasps (Ney system, split hooks – RPA, RPI, Bonneville, Jackson, Bonihard) 2 classes Elements of RPD – elements for stabilization and dental transmission of masticatory pressure 2 classes <i>Outcomes of the 1st chapter: The student becomes familiar with all the elements of the RPD, the indications and contraindications for the fabrication of the RPD; the student will be able to independently perform parallelometric analysis.</i> Chapter 2 – stages of fabrication of dentures with metal framework Stages in the production of the RPD – plan and sketch of the dentures, imprints and obtaining a definitive working model 2 classes Preparation of a model for duplication, duplicating and production of a model from investment materials 4 classes Wax framework modeling 2 classes Preparation, casting and processing and fitting of a metal framework 2 classes Wax rims, registration of intermaxillary relationship, transfer of models to an articulator and placement of teeth 2 classes Final stages: waxing, denture casting, acrylate polymerization, grinding and polishing of dentures 4 classes <i>Outcomes of the 2nd chapter: The student becomes familiar with all phases of RPD preparation, the student can independently perform the laboratory procedures in the fabrication of RPD.</i> Total 30 classes <i>Exercises:</i> <i>Of the 1st chapter 30 classes</i> <i>of the 2nd chapter 60 classes</i>

		Total exercises 90 classes				
13	Interrelationship of courses		The course is related to mobile prosthesis technology – PD, Biomechanics of the masticatory system, Occlusion			
14.	Detailed description of the teaching and working methods for the subject		Interactive teaching, laboratory exercises, work in small groups, presentation and performance of laboratory procedures, demonstration of instruments and methods used.			
15.	Total available classes fund		210 classes			
16.	Forms of teaching activities	16.1.	Lectures - theoretical teaching, classes	30		
		16.2.	Exercises (<u>laboratory</u> , classroom), seminars, teamwork: classes	90		
		16.3.	Practice: classes			
17.	Other forms of activities	17.1.	Project work: classes			
		17.2.	Individual work: classes			
		17.3.	Homework - tasks	90		
18	Signature requirements		Attendance at 60% of theoretical classes and completed exercises program			
19	Method of the evaluation					
	19.1.	Tests: points		40		
	19.2.	Seminar work/project, written and oral presentation: points		10		
	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.	Veleski D.	Clinic and technique of partial dentures (book one)	Faculty of Dentistry UKIM, Skopje	2010
		2.	Veleski D.	Clinic and Technique of Partial Dentures (book two) Removable Partial Dentures with Metal Framework and Complex Dentures	Faculty of Dentistry UKIM, Skopje	2014
		3.	E. Jankulovska	Removable Partial Dentures with Metal Framework - preclinical	Faculty of Dentistry, Skopje	2018

		4	Lj. Guguvchevski	Preclinical partial dentures		2008
		5	G. Stamenkovic	Stomatoloska protetika – parcijalna proteza (II dopunjeno izdanje).	Data Status Beograd	2017
	22.2.	For further reading				
		Serial number	Author	Title	Publisher	Year
		1.	James S Brudvik	Advanced Removable Partial Dentures	Quintessence books	1999
		2.	Olcaý Sakar	Removable Partial Dentures, A practitioners' manuel	Springer	2016

Serial number: 30

Annex no. 3		First cycle study program			
1.	Title of courses	Dental Ceramics 1			
2.	Code	PDTMC13			
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	5
7.	Course load expressed in ECTS credits	7			
8.	Teacher (in case of multiple teachers, a responsible teacher is appointed)	Prof. Emilija Bajraktarova Valjakova, PhD and teachers from the Department of Dental Prosthetics			
9.	Course language	English			
10.	Necessary prerequisites for listening to and passing the course	Suggested courses: Dental laboratory equipment, Teeth Morphology 1 and 2, Technology of dental materials 1 and 2, Technology of Fixed Prostheses (crowns), and Technology of Fixed Prostheses (bridges).			
11.	Course objectives (competencies) and learning outcomes:	The student will gain broader knowledge about ceramic materials, will be introduced to all phases of the fabrication of metal-ceramic restorations, from the analysis and casting of the imprints taken, to the glazing and placement of the finished metal-ceramic restoration in the patient's mouth; in this way, the student will be able to work independently and will have the competencies to fabricate metal-ceramic restorations.			
12.	Detailed content of the course by chapters and units with learning outcomes for each chapter	Theoretical teaching: - Dental ceramic materials 2 classes <i>Learning outcomes: The student will be introduced to the ceramic materials used in dentistry for the manufacture of fixed prosthetic restorations: their classification according to chemical composition and the condition in which the technician obtains them, their physical characteristics, aesthetic properties.</i> - Tooth preparation 2 classes <i>Learning outcomes: The student is introduced to the first phase of clinical work – tooth preparation and the different types of</i>			