

19	Method of the evaluation					
	19.1.	Tests: points			50 points	
	19.2.	Seminar work/project, written and oral presentation: points			10 points	
	19.3.	Final exam: points			40 points	
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.	Carchev M.	Preventive Dentistry	NUB Skopje	2006
		2.	Vulovikj M.	Preventive Dentistry	Elit-Medica, Belgrade	2002
		3.	Jankulovska M.	Fluorides in the Prevention of Caries in the Oral Environment		2006
		22.2.	For further reading			
	Serial number		Author	Title	Publisher	Year
	1.		Limback H.	Comprehensive Preventive Dentistry	Wiley-Blackwell	2012
	2.					
	3.					

Serial number: 23

Annex no. 3		First cycle study program			
1.	Title of courses	Technology of Removable Dentures - Partial Denture			
2.	Code	PDTMPD2			
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	2	semester	4
7.	Course load expressed in ECTS credits	8			
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	Attended all compulsory courses of First year, For exam - passed exam in Morphology 1 and 2, Technology of dental materials 1 and 2
11.	Course objectives (competencies) and learning outcomes:	The student obtains knowledge about the changes in the stomatognathic system as a result of partial tooth loss, defines basic concepts such as retention and stabilization, and all retention elements in partial dentures. The student is introduced to all phases in the manufacture of mobile partial prosthetic restorations. The student is qualified for all laboratory phases in the manufacture of mobile acrylic dentures.
12.	Detailed content of the course by chapters and units with learning outcomes for each chapter	Chapter 1 – Elements of Partial Dentures PD Causes and consequences of partial tooth loss; supporting tissues of PD 1 class Concept of removable prosthetic replacements, division, historical development 1 class Classifications of partial edentulism 2 classes Introduction to dental parallelometry 2 classes Elements of PD – gingival part 2 classes Dental part – Retention, retention principles, elements of dental hooks 2 classes Retention elements in PD 2 classes Elements for stabilization and dental transmission of chewing pressure, connection between gingival and dental part 2 classes <i>Outcomes of the 1st chapter: The student is introduced to the classifications of partial edentulism, the elements of PD. The student is familiar with the elements of retention and stabilization and is able to fabricate wire retention elements</i> Chapter 2 – stages in the production of PD Laboratory and clinical procedures in the manufacture of PD; anatomical impression, obtaining a working model, types of individual trays and their manufacture 2 classes Specifics of a functional impression, definitive working model and production of bite templates 2 classes Characteristics of intermaxillary relationships in partial edentulism, selection of artificial teeth and their placement 2 classes Final laboratory procedures – waxing and cuvetting of PD 2 classes Repairs of mobile partial dentures: repairs and rebasings 2 classes Subtotal edentulism, treatment plan 2 classes Overdentures: Overdentures with telescopic crowns, magnets 2 classes Immediate partial dentures 2 classes <i>Outcomes of the 2nd chapter: The student is introduced to all clinical and laboratory phases in the fabrication of acrylic removable PDs. The student is introduced to and is able to perform laboratory procedures for the fabrication of PDs. The student is able to perform repair of MPDs. The student has basic knowledge of subtotal, overdenture and immediate dentures.</i> Total 30 classes <i>Exercises:</i> <i>Exercises of the 1st chapter 60 classes</i> <i>Exercises in the 2nd chapter 60 classes</i> Total 120 classes

13	Interrelationship of courses	The course is in interrelationship with Teeth Morphology 1 and 2, Anatomy and physiology of the masticatory system and Technology of removable dentures- Complete Denture				
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, use of appropriate instruments and preparation of necessary materials, temporary and constructive.				
15.	Total available classes fund	240 classes				
16.	Forms of teaching activities	16.1.	Lectures - theoretical teaching, classes	30		
		16.2.	Exercises (laboratory, classroom), seminars, teamwork: classes	120		
		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 to at least 60% of lectures; Completed program for laboratory exercises;				
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.	Lj. Guguvchevski	Preclinical partial dentures		2008
		2.	Veleski D.	Clinic and technique of partial dentures (book one)	Faculty of Dentistry UKIM, Skopje	2010
		3.	D.Trifunovic et al.	Stomatoloska protetika – pretklinika	Zavod za udzbenike i nastavna sredstva, Belgrade	1992
		4	D. Stamenkovic	Stomatoloska protetika – parcijalna proteza (II dopunjeno izdanje).	Data Status Beograd	2017
	22.2.	For further reading				

	Serial number	Author	Title	Publisher	Year
	1.	A. Damien Walmsley et al.	Restorative Dentistry	Ars Lamina LLC	2011
	2.				
	3.				

Serial number: 24

Annex no. 3		First cycle study program			
1.	Title of courses	Orthodontic appliances 1			
2.	Code	PDTMOD2			
3.	Study Program	Professional Dental Technicians			
4.	Organizer of the study program (unit, i.e. institute, department, division)	UKIM - Faculty of Dentistry – Skopje, Orthodontics Department			
5.	Degree (first, second, third cycle)	First Cycle			
6.	Academic year/semester	Year	2	semester	4
7.	Course load expressed in ECTS credits	7			
8.	Teacher (in case of multiple teachers, a responsible teacher is appointed)	Prof. Dr. Natasha Tosheska Spasova and teachers from the Department of Orthodontics			
9.	Course language	English			
10.	Necessary prerequisites for listening to and passing the course	For attendance: Attended Basics of orthodontics For exam: Passed Basics of orthodontics			
11.	Course objectives (competencies) and learning outcomes:	Introducing students to different types of mobile and functional appliances for various orthodontic irregularities, their technical production and design. Introducing the method of manufacturing obturators and stimulators for cleft lip and palate, as well as personalizing the elements and size of the appliances. Introducing different types of mobile retainers, splints and guards, with the possibility of complete flexibility and creativity in their design and production.			
12.	Detailed content of the course by chapters and units with learning outcomes for each chapter	Theoretical teaching Chapter 1 Introduction to biomechanics in orthodontics, types of orthodontic movements and orthodontic appliances Biomechanics in orthodontics 2 classes Types of orthodontic movements 2 classes Types of orthodontic appliances 2 classes Introduction to interceptive orthodontics and mobile interceptive appliances for maintaining space in dental arches - space keepers (functional and non-functional) 2 classes <i>Outcomes of the 1st chapter: The student will be introduced to biomechanics in orthodontics, types of orthodontic movements and orthodontic appliances.</i> Chapter 2 Active mobile appliances, components, mobile retainers and manufacturing methods Active mobile appliances, indications, components: active free plate, wire retention elements (hooks) and erosive ridges 2 classes Active wire elements (labial arch, springs, barbs, tongue depressors) and screws 2 classes Polymerization - a method of manufacturing active mobile devices			