

15.	Total available classes fund		90 classes			
16.	Forms of teaching activities		16.1.	Lectures - theoretical teaching, classes	15	
			16.2.	Exercises (laboratory, classroom), <u>seminars</u> , teamwork: classes	15	
			16.3.	Practice: classes		
17.	Other forms of activities		17.1.	Project work: classes		
			17.2.	Individual work: classes	30	
			17.3.	Homework - tasks	30	
18	Signature requirements		Attendance to at least 60% of the theoretical classes demonstrated activity to classes, and a prepared and presented seminary paper are required.			
19	Method of the evaluation					
	19.1.	Tests: points 1 test (50 points)			50	
	19.2.	Seminar work/project, written and oral presentation: points			10	
	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 teachers in carrying out seminars 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.	Zuzhelova M.	Orthodontics for Professional Dental Technicians	Faculty of Dentistry	2004
		2.	Markovikj M et al.	Orthodontics	Faculty of Dentistry - Belgrade	1989
	22.2.	For further reading				
		Serial number	Author	Title	Publisher	Year
		1.	Proffit WR, Fields HW	Contemporary orthodontics	Mosby Inc	2014
		2.	Reyneke J	Essentials of Orthognathic Surgery	Quintessence Publishing USA	2010
		3.	Gregoret J	Orthodontics and Orthognathic Surgery: Diagnosis and Planning	Espaxs	2003

Serial number: 43

Annex no. 3		First cycle study program
1.	Title of courses	Technical Procedures for the Treatment Of Bruxism and the TMJ
2.	Code	PDTEBR3

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 teachers, a responsible teacher is appointed)	Prof. Dr. Biljana Kapushevska and teachers from the Department of Dental Prosthetics			
9.	Course language	English			
10.	Necessary prerequisites for listening to and passing the course	Also attended compulsory courses of second year			
11.	Course objectives (competencies) and learning outcomes:	Students obtain broader knowledge and are trained in all technical procedures and methods for making devices for the treatment of bruxism and the temporomandibular joint.			
12.	Detailed content of the course by chapters and units with learning outcomes for each chapter	Theoretical teaching: - The methodology that this course will cover will guide students towards the possibility of diagnosing the occurrence of bruxism and diseases of the jaw joint 1 class - Setting diagnosis 1 class - Differential diagnosis and etiological factors for diseases of the temporomandibular joint and masticatory muscles 1 class - Theories of bruxism 1 class - Acute, chronic diseases of the jaw joint 1 class - Acute, chronic diseases of the masticatory muscles ... 1 class - Approach and selection of a protocol for the treatment of temporomandibular disorders 1 class - Approach to the treatment of TMJ diseases - first aid, initial therapy and rehabilitation 1 class - Psychotherapy, physiotherapy, pharmacotherapy, prosthetic or orthodontic therapy 1 class - Myofunctional exercises in patients with temporomandibular disorders 1 class - Rehabilitation - making deprogrammers (NTI or anterior deprogrammers-butterfly deprogrammer) 1 class - Making soft occlusal splints 1 class - Production of hard occlusal splints (inserts) for stabilization 1 class - Production of hard occlusal splints (inserts) for reposition 1 class - Control, repair of occlusal splints or fabrication of new hard occlusal splints 1 class <i>Learning outcomes: Students will obtain clear knowledge about the etiology, differential diagnosis, and type of therapy for these diseases.</i> Total 15 classes <i>Exercises:</i> <i>Exercises according to the methodological units provided for in the theoretical teaching 15 classes</i>			

		Total 15 classes					
13.	Interrelationship of courses	The course is related to Anatomy and Physiology of the Masticatory System and the course of Occlusion.					
14.	Detailed description of the teaching and working methods for the subject	Theoretical teaching, interactive teaching, practical teaching (exercises), seminar papers					
15.	Total available classes fund	90 classes					
16.	Forms of teaching activities	16.1.	Lectures - theoretical teaching, classes	15			
		16.2.	Exercises (laboratory, classroom), seminars, teamwork: classes	15			
		16.3.	Practice: classes				
17.	Other forms of activities	17.1.	Project work: classes				
		17.2.	Individual work: classes	15			
		17.3.	Homework – tasks	45			
18.	Signature requirements	Attended at least 60% of the lectures, and 80% of the exercises with completed activities in them.					
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.	Kapushevska Biljana	Bruxism and occlusal parafunctions – general section.	Faculty of Dentistry, Technosan 2014		
		2.	Kapushevska Biljana	Bruxism and occlusal parafunctions – special section.	Faculty of Dentistry, Technosan 2015		
		3.	Gilles J. Lavigne, Peter A. Cistulli, Michael T. Smith	Sleep medicine for dentists	Quintessence Publishing Co., Inc. 2009		
	22.2.	For further reading					
		Serial number	Author	Title	Publisher Year		

		1.	Joey D. Da Silva, David A. Mitchell, Laura Mitchell, Paul Brunton	American Handbook of Restorative Dentistry	Ars Lamina LLC	2011
		2.	B. Kapusevska, N.Dereban, M.Popovska, J. Nikolovska, L.Popovska	Bruxsizm and TMD – disorders of the every day dental clinical practice	Contributions (Annexes) XXXI V (3): 105-111	2013
		3.	Kapusevska B., Stojanovska V., Mioska A.	Upotreba bruksoanalizatora kod paxcienata sa razlicitim oblicima bruksizma	Acta Stomatologica Naissi 30 (69): 1325-1331	2014