

		1.	Cynthia M. Pine, Rebecca Harris	Community Oral Health	Community Oral Health	2007
		2.	Hiremath SS	Textbook of public health dentistry	Elsevier	2008
		3.				

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Annex no. 3		First cycle study program			
1.	Title of courses	Complex Dentures			
2.	Code	PDTMCD3			
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. 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 and the course Removable Partial Dentures with Metal Framework Requirement for passing the exam - passed Technology of removable dentures (partial denture) and Removable Partial Dentures with Metal Framework			
11.	Course objectives (competencies) and learning outcomes:	The student obtains knowledge about the concept, indications and contraindications for the production of complex dentures; can make a sketch of a metalframe partial dentures or complex dentures, the student is familiar with the indications and contraindications for the use of various aesthetic retention systems			
12.	Detailed content of the course by chapters and units with learning outcomes for each chapter	Chapter 1 - Complex Dentures Definition, indications and contraindications, advantages and disadvantages of complex dentures, protocol of clinical and laboratory procedures 1 class Statics of free and inserted saddle, statics of dentogingivally worn prost, stabilization of RPD. 1 class Biomechanical problems in planning RPD, linear and polygonal support of RPD 1 class Analysis of studio models, selection of articulators. Planning RPD in parallelometer 1 class Fixed prosthesis important for the production of complex dentures - purpose-made crowns, guiding surfaces, interlock, purpose-made inlay 1 class Milling in the process of producing complex prostheses, milling methods, milling devices 1 class <i>Outcomes of the 1st chapter: The student becomes familiar with the importance of biomechanical principles in planning RPD. The student analyzes and plans models for RPD</i> <i>The student becomes familiar with all elements of complex dentures, indications and contraindications for the manufacture of complex</i>			

		<i>dentures; studies milling methods.</i> Chapter 2 – Aesthetic retention systems General characteristics of attachments, indications and contraindications, principles of retention, stabilization and transmission of masticatory pressure 1 class Classification of attachments, sliders, buttons, bars, latches, attachments with combined properties 1 class Telescope crowns – types, function, retention principle 1 class Manufacturing of dentures with attachments, principles of attachment placement, determining the position of artificial teeth 1 class <i>Outcomes of the 2nd chapter: The student is introduced to all aesthetic retention elements; studies the method of making complex dentures using attachments and telescopic crowns</i> Chapter 3 – Other types of removable partial dentures Overdentures – concept, indications, advantages and disadvantages. Planning and method of making overdentures with telescopic crowns 1 class Supradental overdentures, indications, advantages and disadvantages. Magnetic retention systems 1 class Other types of mobile dentures: Two-piece partial dentures, Swing-lock dentures, unilateral partial dentures, flexible partial dentures 1 class Removable dentures over implants, retention systems over implants (ball, locator, bars) 1 class Modern principles for the production of RPD (digital protocol for the production of MPD on metallic and non-metallic framework) .. 1 class <i>Outcomes of the 3rd chapter: The student obtains knowledge about overdentures and other specific types of removable partial dentures.</i> Total 15 classes <i>Exercises:</i> <i>Of the 1st chapter 30 classes</i> <i>of the 2nd chapter 15 classes</i> <i>Of the 3rd chapter 15 classes</i> Total exercises 60 classes		
13	Interrelationship of courses	The course is related removable denture technology – PD, Removable Partial Dentures with Metal Framework, Biomechanics of the masticatory system and 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, devices and methods used.		
15.	Total available classes fund	120 classes		
16.	Forms of teaching activities	16.1.	Lectures - theoretical teaching, classes	15
		16.2.	Exercises (<u>laboratory</u> , classroom), <u>seminars</u> , teamwork: classes	60
		16.3.	Practice: classes	
17.	Other forms of activities	17.1.	Project work: classes	
		17.2.	Individual work: classes	
		17.3.	Homework - tasks	45
18	Signature requirements	Attendance at 60% of theoretical classes and completed exercises program.		

19	Method of the evaluation					
	19.1.	Tests: points			30	
	19.2.	Seminar work/ <u>project</u> , 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.	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) Skeletonized and Metal Complex Dentures	Faculty of Dentistry UKIM, Skopje	2014
		3.	E. Jankulovska	Partial skeletonized denture - preclinical	Faculty of Dentistry, Skopje	2018
		4	Lj. Guguvchevski	Preclinical partial dentures		2008
		5	г. 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	Quintenssence books	1999
		2.	Olcaý Sakar	Removable Partial Dentures, A practitioners’ manuel	Springer	2016
		3.				

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Annex no. 3		First cycle study program
1.	Title of courses	Dental Ceramics 2