Attachment No. 3		Course program of the first cycle of studies				
1.	Course title	Clinical removable prosthodontics				
2.	Code	DMMCR4				
3.	Study program	Dentistry - integrated first and second cycle of studies				
4.	Organizer of the study program (unit, i.e. institute, department, division)	UKIM-Faculty of Dentistry – Skopje, Department of Prosthodontic Dentistry				
5.	Degree (first, second, third cycle)	Integrated First and Second Cycle Studies				
6.	Academic year/semester	Year	4	Semester	7 and 8	
7	Course workload expressed in ECTS credits	9				
8.	Teacher	Prof. Dr. Sasho Elenchevski (teachers and associates from the Department of Prosthodontic Dentistry)				
9.	Language in which the curriculum is conducted	English				
10.	Necessary prerequisites for taking and passing the course	completed all compulsory subjects from the third year and passed all compulsory subjects from the second year				
11.	Course objectives (competences) and learning outcomes:	The student will learn about the different types of total and partial prosthesis, their fabrication, planning, and adaptation in patients with partial or total edentulism. They will acquire knowledge about the biomechanics, retention, stabilization, and occlusal concepts of removable prosthodontic constructions, as well as about clinical procedures from diagnosis to delivery and maintenance of prosthesis. The student will be able to perform clinical assessment, select the appropriate type of prosthesis, and carry out the entire fabrication process. In addition to theoretical and practical skills, they will also develop analytical skills for planning prosthodontic therapy and solving complex cases in dental practice. The student will also study the different possibilities for repairing removable prosthodontic restorations.				
12.	Detailed course content by chapters and units, with learning outcomes for each chapter	Chapter 1 – Examination, diagnosis, and therapy of edentulous patients - fabrication of total prosthesis Total prosthesis (TP) - definition, indications, contraindications); Anatomy and physiology of the masticatory system from the aspect of rehabilitation of edentulous patients; Diagnostics of problems in patients with total edentulism.. 2 classes - Extraoral and intraoral changes after complete tooth loss; Surgical preparation of a totally edentulous oral cavity..... 2 classes - History, clinical examination, and biological basis of TP; Anatomical impressions for TP fabrication, selection of appropriate impression trays..... clinical procedures for determining intermaxillary relationships in total edentulism; Errors in determining intermaxillary relationships ..... 2 classes -Criteria for selecting artificial teeth for TP; Principles of balanced (balanced) occlusion with TP; occlusal concepts in TP ..... 2 classes - Rules and theories for tooth placement; TP trial with teeth arranged in wax… 2 classes - TP presentation, instructions for maintenance and use of TP ..... 2 classes - Control examinations, TP repairs (repairs and rebasings) ..... 2 classes - Immediate TP; Single TP ..... 2 classes Results from chapter 1 - The student will acquire theoretical knowledge about the				

		indications and contraindications for complete prosthesis, the anatomy and physiology of the masticatory system in edentulous patients, as well as the diagnostics of problems and changes that occur after complete tooth loss, including surgical preparation of the oral cavity. In addition, he will acquire knowledge about the process of making complete prosthesis, including anamnesis, clinical examination, impressions, determination of intermaxillary relationships, selection and placement of artificial teeth, occlusal concepts, delivery and adaptation of prosthesis, as well as their maintenance, repairs, and control examinations. Chapter 2 – Basics of partial edentulism and partial prosthodontics with a plate partial prosthesis (PPP) -Basic characteristics of a partial prosthesis; Supporting tissues of a partial prosthesis (PP) and the effect of occlusal and other types of oral forces on the supporting tissues ..... 2 classes -Changes in the masticatory system after partial loss of natural teeth; Classification of partial edentulism and division of PPP..... 2 classes -Goals of prosthodontic therapy with PPP, indications and contraindications for fabricating PPP; Parts of acrylate PP ..... 2 classes -Characteristics and application of a parallelometer in partial prosthodontics; facial arch ..... 2 classes -Retention of PPP with hooks as basic retention elements; Planning of PPP……..... 2 classes Results from chapter 2- The student will be familiar with the basic characteristics of partial prosthesis, supporting tissues, and the influence of oral forces on them, as well as with the changes in the masticatory system after partial tooth loss, the classification of partial edentulism, and the types of partial prosthesis. The student will learn about the purposes, indications, and contraindications for a plate partial prosthesis, its parts, the use of a parallelometer in partial prosthesis, as well as the principles of retention with hooks and prosthesis planning. Chapter 3 – Skeletized Partial Prosthesis (SPP) -Skeletized PP - characteristics, indications and contraindications ..... 1 class - Components of SPP - gingival part, prosthodontic saddles; types of large connector - indications and contraindications for use ..... 1 class - Components of SPP - dental part; indication for different types of retention elements, stabilization elements, elements for dental transmission of chewing pressure; elements for connecting the dental and gingival parts of SPP..1 class - Planning of SPP; Principles of planning; Analysis of studio models in an articulator and parallelometer.....1 class - Retention of SPP; distribution of occlusal load ..... 1 class - Biomechanics of SPP; Stabilization of the SPP..... 1 class Results from chapter 3- The student will learn about the characteristics, indications, and contraindications of the skeletonized partial prosthesis, its components, and the method of their connection. They will also be introduced to the principles of planning, retention, occlusal load distribution, biomechanics, and stabilization of the SPP. Chapter 4 - Clinical procedures in the treatment of partial edentulism -Clinical examination, diagnosis, and treatment plan; Preprosthodontic and prosthodontic preparation of supporting tissues ..... 1 class - Impression procedures in partial prosthesis ..... 1 class - Fitting of a metal framework for partial prosthesis and determination of intermaxillary relationships in partial prosthesis, selection of artificial teeth……..1 class - Fitting of partial prosthesis with teeth arranged in wax and delivery of partial prosthesis ..... 1 class - Partial prosthesis repairs (repairs and lining), control, maintenance, and advice on wearing partial prosthesis …… 1 class Results from chapter 4 – The student will have theoretical knowledge of diagnostics, setting up a treatment plan, and all clinical procedures in the treatment of partial edentulism, when fabricating PPP and SPP. Chapter 5 – Complex partial prosthesis - Partial telescopic prosthesis; types of telescopic crowns; specifics of clinical procedures

		in partial telescopic prostheses ..... 1 class - Metal PP with attachments; division of attachments; specifics of clinical procedures in metal PP with attachments .....1 class - Rehabilitation of subtotal edentulism; Supradental prostheses..... 1 class - Removable partial prostheses over implants, partial flexible prostheses, unilateral partial prostheses ..... 1 class Results from chapter 5 – The student will learn about complex partial prostheses, including partial telescopic prostheses and their clinical specifics, metal partial prostheses with attachments and their classification, as well as the principles of rehabilitation of subtotal edentulism. Total: ..... 45 classes Practical teaching-exercises - From chapters 1 and 2 60 classes - From chapters 3, 4 and 5 30 classes Total .....90 classes			
13	Interrelation of subjects	The course is directly related and builds on the courses: preclinical removable prosthodontics and dental materials.			
14.	Detailed description of the teaching and working methods for the subject	Interactive teaching, clinical exercises, working in small groups, demonstration of instruments and methods used, teamwork			
15.	Total available time	270 classes			
16.	Forms of teaching activities	16.1.	Lectures - theoretical teaching. Classes	45 classes	
		16.2.	Exercises (laboratory, lecture), seminars, teamwork: classes	90 classes	
		16.3.	Practice: classes		
17.	Other forms of activities	17.1.	Project assignments: classes		
		17.2.	Independent assignments: classes		
		17.3.	Home study – assignments	135 classes	
18	Signature requirements	To receive a signature, the student must fulfill the obligations during the theoretical and practical classes. To take the final exam, they must pass the scheduled colloquia.			
19	Method of assessment				
	19.1.	Tests: points		2 tests VII Semester 1 test in VIII Semester (3x20 points)	
	19.2.	Seminar paper/project, written and oral presentation: points			
	19.3.	Final exam: points		Practical and oral exam 40 points	
20	Grading criteria (points/grade)	from 59 points	5 (five) (F)		
		60 to 68 points	6 (six) (E)		
		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. Required literature

Ord. No.	Author	Title	Publisher	Year
1.	Veleski D.	Clinic and technique of partial prosthesis (book one)	Faculty of Dentistry UKIM, Skopje	2010
2.	Veleski D.	Clinic and technique of partial prosthesis (book two) Skeletized and metal complex prosthesis	Faculty of Dentistry UKIM, Skopje	2014
3.	Guguvchevski LJ, Dejanoski K, Veleski D.	Clinic of total prosthodontics	Ein-Sof, Skopje	2003

		4.	Krstic M and assoc.,	Dental prosthodontics Total prosthesis	Interprint, Belgrade	2011
		5.	Marinkovic Z, Tihacek-SoicLj, Zivkovic R	Total prosthesis	Faculty of Dentistry, Belgrade	2014
		6.	Stamenkovic D	Dental Prosthodontics Partial Prosthesis, Second Revised Edition	Data status Belgrade	2017
	22.2.	Additional literature				
		Ord. No.	Author	Title	Publisher	Year
		1.	Ran A, Ivanhoe J, and Plummer K.	Textbook of total prosthesis	Arberia Design	2016
		2.	MacEntee M	The complete prosthesis: A clinical Pathway, 2nd edition	Quintenssence books	2019
		3.	Carr A, Brown D	McCracken's Removable Partial Prosthodontics, 13th edition	Elsevier	2016