Attachment No. 3		Course program for the first cycle of studies			
1.	Course title	Preclinical removable prosthodontics			
2.	Code	DMMPR2			
3.	Study program	Dentistry - integrated first and second cycle of studies			
4.	Organizer of the study program (unit, i.e., institute, department, division)	University "Ss. Cyril and Methodius" in Skopje, 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	2	Semester	3 and 4
7	Course workload expressed in ECTS credits	8			
8.	Teacher (in case of multiple teachers, designated teacher in charge)	Prof. Dr. Sanja Panchevska (teachers and associates from the Department of Prosthodontic Dentistry)			
9.	Language in which the curriculum is conducted	English			
10.	Necessary prerequisites for listening and taking the class	Listened to all compulsory subjects from the first year			
11.	Course objectives (competences) and learning outcomes:	The student acquires knowledge about the changes in the dental system as a result of complete and partial loss of teeth, recognizes different types of removable prosthodontic aids, defines basic terms such as retention and stabilization. The student is introduced to all stages of the preparation of removable prosthodontic aids, total, partial, and metal skeleton prostheses. The student is qualified for all laboratory stages in the manufacture of removable acrylate prostheses as well as the modeling of partial prostheses on a metal skeleton.			
12.	Detailed course content by chapter and units, with the learning outcomes for each chapter	Theoretical teaching - lectures III semester 1. Chapter - total prosthesis Morphological - functional changes of the masticatory organ in conditions of total toothlessness, base for total dentures .. 1 class Retention and stabilization of total dentures..... 1 class Lower jaw movements; Bennett angle, sagittal condylar inclination, sagittal incisal angle, physiological rest..... 1 class Laboratory and clinical stages in the preparation of TP: spoons for imprinting – division, anatomical imprint, casting, and obtaining a working model .... 1 class Separation of individual spoons, preparation of a work model, and making of individual spoons; functional imprint, definition, and division ..... 1 class Preparation of a functional casting model, a definitive model, fabrication of bite wafers…… 1 class Methods for determining interpersonal ratios; orientational prosthodontic plane, vertical dimension, and central relation. Orientation lines when fixing bite wafers and selecting artificial 1 Articulators and face bow…… 1 class Transferring working models to an articulator.... 1 class Methods for placement of artificial teeth, general and special rules for the placement of teeth..... 2 classes Final laboratory procedures in the preparation of TP..... 2 classes Immediate prostheses, definition, types, and laboratory procedures..... 1 class Repairs to TP..... 1 class Results from chapter 1: The student studies the changes of the dental system as a result of tooth loss, the base of the TP. They learn the stages of preparation of TP and can			

<table>
<tr><td></td><td></td><td colspan="3">independently perform the laboratory procedures in the preparation of removable prosthodontic aids. The student studies the different types of TP repairs as well as the notion and procedures for making immediate prostheses.

IV Semester
Chapter 2 – Acrylate Partial Prosthesis (PP)
Causes and consequences of partial tooth loss; supportive tissues for PP..... 1 class
Classifications of partial toothlessness ..... 1 class
Introduction to dental parallelometry ..... 1 class
Elements of PP – gingival and dental part..... 2 classes
Retention and retention elements in PP..... 1 class
Laboratory and clinical procedures in the preparation of PP; anatomical imprint, obtaining a working model, types of individual spoons and their making. 1 class
Specifics of functional imprint, definite working model, and fabrication of bite wafers..... 1 class
Characteristics of inter-facial ratios in partial toothlessness, choice of artificial teeth and their lining..... 1 class
Final laboratory procedures – waxing and casting of PP..... 1 class
Results from chapter 2: The student is introduced to the classifications of partial toothlessness, the elements of PP. The student is familiar with and capable of making the wired retention elements and laboratory procedures for making PP

Chapter 3 – Metal Skeleton Prostheses (MSP)

MSP elements – large, small connectors and elements for retention, stabilization, and dental transfer of masticatory force..... 2 classes
Laboratory procedures for making MSP; planning, modeling, and duplication of models..... 2 classes
Final laboratory stages in the fabrication of MSP; preparation for casting of metal skeleton, casting and processing of skeleton, polishing, making forguses..... 1 class
Results from chapter 3: The student introduces the elements of MSP and the laboratory procedures for making prostheses on a metal skeleton.
Total: ..... 30 classes

Practical teaching - exercises
- From the first chapter – total prosthesis ..... 45 classes
- From the second and third chapters – partial prosthesis and prostheses on a metal skeleton……..... 45 classes
Total .....90 classes</td></tr>
<tr><td>13</td><td>Interrelation of subjects</td><td colspan="3">Dental anatomy and morphology</td></tr>
<tr><td>14.</td><td>Detailed description of the teaching and working methods for the subject</td><td colspan="3">Interactive teaching, laboratory or clinical exercises, working in small groups, presenting and performing laboratory procedures, demonstrating used instruments and methods, and teamwork.</td></tr>
<tr><td>15.</td><td>Total Available Time</td><td colspan="3">240 classes</td></tr>
<tr><td rowspan="3">16.</td><td rowspan="3">Forms of teaching activities</td><td>16.1.</td><td>Lectures - theoretical teaching. Classes</td><td>30</td></tr>
<tr><td>16.2.</td><td>Exercises (laboratory, auditorium), seminars, teamwork: classes</td><td>90</td></tr>
<tr><td>16.3.</td><td>Practice: classes</td><td></td></tr>
<tr><td rowspan="3">17.</td><td rowspan="3">Other forms of activities</td><td>17.1.</td><td>Project assignments: classes</td><td></td></tr>
<tr><td>17.2.</td><td>Independent assignments: classes</td><td></td></tr>
<tr><td>17.3.</td><td>Home study - assignments</td><td>120</td></tr>
<tr><td>18</td><td>Signature requirements</td><td colspan="3">Realized program for laboratory exercises; attendance at least 60% of lectures</td></tr>
<tr><td rowspan="2">19</td><td colspan="4">Method of grading</td></tr>
<tr><td>19.1.</td><td colspan="2">Tests: points</td><td>2 tests x 25 stitches</td></tr>
</table>

	19.2.	Seminar work/project, written and oral presentation: points				
	19.3.	Final exam: points			Practical and oral exam 50 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, assistant control during the practical teaching and assessment of the achieved student success, as well as the pass rate of students who have passed the subject			
22.	Literature					
	22.1.	Required literature				
		Ord. number	Author	Title	Publisher	Year
		1.	E. Jankulovska	Total prosthesis – preclinical (second edition)	Faculty of Dentistry - Skopje,	2012
		2.	E. Jankulovska	Partial Skeletal Prosthesis – Preclinic	Faculty of Dentistry - Skopje,	2018
		3.	Lj.Guguchevski	Preclinic of partial prosthesis		2008
	22.2.	Additional literature				
		Ord. number	Author	Title	Publisher	Year
		1.	Veleski D.	Clinic and technique of partial prostheses (book one)	Faculty of Dentistry - Skopje,	2010
		2.	Veleski D.	Clinic and technique of partial prosthesis (book two) Skeletal and metal complex prosthesis	Faculty of Dentistry - Skopje,	2014
		3.	Rahn A., Ivanhoe J. and Plummer K.	A textbook for total prostheses	Arberia Design	2016