Attachment No. 3		Course program for the first cycle of studies			
1.	Course title	Clinical fixed prosthodontics			
2.	Code	DMMCF5			
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	5	semester	9 и 10
7	Course workload expressed in ECTS credits	9			
8.	Teacher (in case of multiple teachers, designated teacher in charge)	Teacher in charge – Prof. Dr. Vesna Korunoska – Stevkovska Professors from the Department of Prosthodontic Dentistry			
9.	Language in which the curriculum is conducted	English			
10.	Necessary prerequisites for taking and passing the course	All compulsory subjects from the fourth year were completed, and all compulsory subjects from the third year were passed			
11.	Course objectives (competences) and learning outcomes:	Students will be enabled to independently establish a diagnosis, prepare a treatment plan for patients who have an indication for the manufacture of fixed prosthodontic restorations, including solving complicated clinical cases where prosthodontic therapy will be carried out with fixed and removable prosthodontic constructions.			
12.	Detailed course content by chapters and units with learning outcomes for	I. Chapter: Fixed prosthodontic restorations made on individual teeth - Introduction, diagnosis, and treatment plan for making fixed prosthodontic restorations on a single tooth.- 1 class - Planning and assessment of teeth as potential crown carriers - 1 class - Types of crowns and abutments, indications and contraindications.- 1 class - Means for tooth preparation, principles of tooth preparation 1 class			

	each chapter	- Types of demarcations and their placement in relation to the marginal gingiva.- 1 class - Chemical protection of prepared teeth.- 1 class - Clinical stages of work in the fabrication of crowns made entirely of metals and metal-ceramic crowns.- 1 class - Clinical stages of work in the fabrication of all-ceramic crowns and aesthetic veneers.- 1 class - Clinical stages of work in the fabrication of individual and ready-made root abutments.- 1 class - Preparation of soft tissues and impression techniques.- 1 class - Temporary crowns.- 1 class - Crowns over implants.- 1 class - Crowns in combined prosthodontics.- 1 class - Trial of crowns on prepared teeth in the patient's mouth 1 class - Types of cements, temporary and/or permanent cementation of crowns 1 class Outcomes from chapter I: The student is introduced to the types of restorations that can be made on a single tooth, the diagnosis, indications and planning of fixed prosthodontic therapy, the clinical phases of work, starting from tooth preparation for making different types of crowns, taking impressions, chemical and physical protection of the prepared teeth, trying on the restorations, up to their cementation in the patient's mouth. II. Chapter: Fixed prosthodontic restorations made on multiple teeth – dental bridges Definition of a dental bridge, its parts, factors of resistance of dental bridges, conditions for making, indications and contraindications for making a dental bridge, advantages and disadvantages of dental bridges, role of the dental bridge – its functions.- 1 class Classification – types of dental bridges.- 1 class Materials for making dental bridges, factors influencing the choice of material, specific indications.- 1 class Diagnosis and treatment plan, factors influencing the treatment plan.- 1 class Evaluation of the teeth supporting the bridge construction.- 1 class Statics of a dental bridge, forces acting on dental bridges.- 1 class Preparation of teeth for making a dental bridge, principles of preparation, instruments, stages of preparation.- 1 class Procedures for resolving the Popov-Godone phenomenon.- 1 class Clinical procedures after tooth preparation in order to protect the dentin wound - sealing the dentin.- 1 class Impression taking - materials and impression trays, preparation of soft tissues for impression taking.- 1 class Try-in of the restoration in two stages: skeleton try-in, faceted dental bridge try-in.- 1 class Temporary bridges and their cementation.- 1 class Definitive cementation - preparation for cementation, types of cements, cleaning of the restoration after cementation.- 1 class Prosthodontic rehabilitation with combined fabrications - fixed dental bridges and removable skeletonized prostheses; cementation of combined restorations.- 1 class Complications during prosthodontic therapy with dental bridges, fracture of the facet part, possibility of repair.- 1 class Outcomes from chapter II: The student is introduced to the types of dental bridges that can be made on the remaining teeth in the patient's mouth, diagnosis, indications and contraindications, planning of fixed-prosthodontic therapy, clinical phases of work, starting from tooth preparation for the manufacture of different types of bridge structures, their parallelization, taking impressions, chemical and physical protection of the prepared teeth, trying on restorations, up to their cementation in the patient's mouth. The student will acquire knowledge for solving complicated clinical cases, therapy in the case of Popov-Godonov phenomenon, as well as combined - fixed-removable prosthodontic therapy. They are introduced to the errors that can be made during the implementation of the phases of making dental bridges, the complications that can occur after therapy, including fractures of bridge structures and the possibility of their repair. Total: .....30 classes Practical teaching - exercises Practical instruction will be carried out in accordance with the theoretical method units and

		will cover all clinical phases in the fabrication of fixed prosthodontic restorations. - During the first semester, 45 classes - During the second semester, 60 classes Total .....105 classes			
13	Interrelation of subjects	Interrelation with the courses: Preclinical fixed prosthodontics, Dental materials, Dental devices, and equipment.			
14.	Detailed description of the teaching and working methods for the subject	Interactive instruction in a large group, clinical exercises - working in small groups when working with patients, demonstration of the instruments and methods used, teamwork.			
15.	Total available time	270 classes			
16.	Forms of teaching activities	16.1.	Lectures - theoretical teaching classes		30 classes
		16.2.	Exercises (laboratory, auditorium), seminars, teamwork: classes		105 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				
19	Grading method				
	19.1.	Tests: points		30 points	
	19.2.	Seminar paper/project, written and oral presentation: points		10 points	
	19.3.	Final exam: points		60 points	
20	Grading 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 instruction	Self-evaluation by students, activity and participation during the theoretical instruction , control during the performance of practical instruction - clinical work with patients, 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.	Bajevska J.	Dental ceramics	Faculty of Dentistry	2014
2.	Мирчев Е. Mirchev E.	Clinic of Fixed Dental Prosthodontics	Studentski zbor, Skopje	1996
3.	Rosenstiel SF, LandMF, Fujimoto J.	Contemporary fixed prosthodontics 4th edition	St. Louis: Mosby Inc	2006
4.	Shillingburg H.T. et al.	Fundamentals of Fixed Prosthodontics 4th edition	Quintessence Publishing Co. Chicago	2012

		5.	Adnan Ćatović, Dragutin Komar, Amir Ćatić I suradnici	Klinička fiksna protetika 1 – Krunice	Medicinska naklada, Zagreb	2015
	22.2.	Additional literature				
		Ord. No.	Author	Title	Publisher	Year
		1.	Emilija Bajraktarova Valjakova	Dental devices and equipment	Emilija Bajraktarova Valjakova	2025