

	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.	Radi Masri, Carl F. Driscoll	Clinical Applications of Digital Dental Technology	Wiley Blackwell	2015
		2.				
		3.				
	22.2.	For further reading				
		Serial number	Author	Title	Publisher	Year
		1.	Andres Baltzer, Vanik Kaufmann-Jinoian, Andreas Kurbad, Kurt Reichel	CAD/CAM i potpuna keramika – Estetski nadomjesci u stomatološkoj praksi	Media Ogled d.o.o.	2009, Zagreb
		2.	Ishan Kadam	CAD-CAM IN PROSTHODONTICS A Revolutionary Avenue to Digital Dentistry	Lap Lambert Academic Publishing	2019
		3.				

Serial number: 40

Annex no. 3		First cycle study program			
1.	Title of courses	Esthetics in Prosthetic Dentistry			
2.	Code	PDTMEP3			
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	Prof. Dr. Vesna Korunovska Stevkovska			

	teachers, a responsible teacher is appointed)	and teachers and associates from the Department of Dental Prosthetics
9.	Course language	English
10.	Necessary prerequisites for listening to and passing the course	Attended all compulsory courses of second year and passed all compulsory exams of first year
11.	Course objectives (competencies) and learning outcomes:	The student will obtain broader knowledge about the aesthetics of fixed and mobile prosthetics, components and smile design, dentofacial relations, the role of new digital technologies in smile design and prosthetic aesthetics in general.
12.	Detailed content of the course by chapters and units with learning outcomes for each chapter	Theoretical teaching Chapter 1: - Aesthetics (general concept and meaning) 2 classes - Principles and elements of aesthetics 2 classes - Smile components and its designing 2 classes <i>Outcomes of the 1st chapter: the student will obtain basic knowledge about aesthetics and the components of a smile</i> Chapter 2: - Facial elements (physiognomy and analysis of the face, eyes, nose and mouth) 2 classes - Dental elements (dental morphology, dental midline, golden proportion, axial alignment, tooth location, gradation, contact zones).... 2 classes - Physical elements (illusions - illusions of shortening, lengthening, narrowing and widening). Gingival elements. Dentofacial relations 2 classes <i>Outcomes of the 2nd chapter: the student will be introduced to the analysis of the face and dentofacial relations</i> Chapter 3: - Aesthetics of total and partial dentures. Aesthetic retention elements 3 classes - Aesthetics of crowns (metal-ceramic and all-ceramic crowns) 3 classes - Aesthetics of bridge constructions 2 classes - Preparation and imprints from an aesthetic aspect 2 classes - Aesthetics in implantology 2 classes <i>Outcomes of the 3rd chapter: the student will be introduced to the aesthetic components of prosthetic restorations</i> Chapter 4: - Color as an important component of aesthetics 2 classes - Role of photography in aesthetics 2 classes - Digital smile design 2 classes <i>Outcomes of the 4th chapter: The student will study the influence of color in facial aesthetics, will become familiar with the importance of photography for aesthetic prosthetic restorations.</i>

		Total: 30 classes				
13.	Interrelationship of courses	with the dental prosthetics courses				
14.	Detailed description of the teaching and working methods for the subject	Interactive theoretical teaching				
15.	Total available classes fund	90 classes				
16.	Forms of teaching activities	16.1.	Lectures - theoretical teaching, classes	30		
		16.2.	Exercises (laboratory, classroom), seminars, teamwork: classes			
		16.3.	Practice: classes			
17.	Other forms of activities	17.1.	Project work: classes			
		17.2.	Individual work: classes	10		
		17.3.	Homework - tasks	50		
18.	Signature requirements	Attending 60% of the theoretical teaching				
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.	Zlatarić Knezović D.	Basics of aesthetics in dentistry	Croatian Chamber of Dental Medicine, Zagreb	2013
		2.	Bajevska J.	Dental ceramics	Faculty of Dentistry, Skopje	2014
		3.				
	22.2.	For further reading				
		Serial number	Author	Title	Publisher	Year
		1.	Prosper L.	Biosthetics in oral rehabilitation	Quintessence Publishing	2018
		2.	Magne P. Belser U.	Adhezivno cementirani keramicki nadomjesci u prednjoj denticiji	Quintessence Publishing	2010

		3.	Feradeani M.	Esthetic Rehabilitation in Fixed Prosthodontics Volume 1	Quintessence Publishing Deutschland	2004
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Serial number: 41

Annex no. 3		First cycle study program			
1.	Title of courses	Photography in the Dental Laboratory			
2.	Code	PDTEDF3			
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. Nadica Janeva and teachers from the Department of Dental Prosthetics and Department of Children and preventive dentistry			
9.	Course language	English			
10.	Necessary prerequisites for listening to and passing the course	None			
11.	Course objectives (competencies) and learning outcomes:	The student will be introduced to the basics of dental photography with a special aspect of the use and significance of photography in the dental laboratory. The student will acquire technical, practical and ethical skills, which will enable him to use dental photography to present his work and for better communication with the dentist.			
12.	Detailed content of the course by chapters and units with learning outcomes for each chapter	Theoretical teaching: Chapter 1 - Introduction to Dental Photography, Equipment and Technical Settings Introduction to Dental Photography 1 class History of dental photography 1 class Dental photography – specifics and significance (confidentiality and ethics in the use of dental photography) 1 class Dental photography equipment (digital camera, light source (flash), lip retractors, occlusal and facial mirrors, contrast agent) 1 class Digital camera settings 1 class Photographic location (ambient light, background, patient position) 1 class <i>Outcomes of the 1st chapter: The student will obtain knowledge about the basics of dental photography, including its history, specifics and ethical aspects of its use in dentistry; will obtain knowledge about the equipment, technical settings and optimal conditions for high-quality patient photography.</i> Chapter 2 - Types and applications of dental photographs Types of dental photographs 1 class Extraoral dental photographs (full face photograph, lip photograph, lateral photograph, color selection photograph) 1 class Photograph and analysis of a smile 1 class Photographing laboratory models 1 class Photographing diagnostic wax models and final prosthetic			