Study Program: Dental technicians – prosthodontists

	FIRST YEAR – 1 st SEMESTER	FIRST YEAR – 1 st SEMESTER					
Code	COURSE	Credits	Hours	Overall workload			
3MF100212	Anatomy	7	3+3+1	210			
	Introduction to human genetics	5	2+2+1	150			
	Histology and embryology	6	2+3+1	180			
	Communication skills	6	2+3+1	180			
	Clinical psychology	2	1+1+1	120			
UGD100112	 Foreign Language – English Foreign Language - Italian Foreign Language - German Foreign Language - French Foreign Language - Spanish Foreign Language - Russian 	4	0+0+4	120			
UGD102712	Sports and Recreation	0	0+0+2	0			

	FIRST YEAR –2 nd SEMESTER						
Code	COURSE	Credits	Hours	Overall workload			
	Physiology	4	2+1+1	120			
	Biochemistry	4	2+1+1	120			
	Nursing care	6	2+3+1	180			
	Microbiology with parasitology	6	2+3+1	180			
	Ecology with Hygiene	2	2+0+1	60			
	Epidemiology	4	2+1+1	120			
	Computer Science	4	2+1+1	120			

	SECOND YEAR – 3 rd SEMESTER					
Code	COURSE	Credits	Hours	Overall workload		
	Medical ethics	4	2+1+1	120		
3MF154012	Anatomy of jaws and dental morphology	6	2+4+1	180		
3MF150412	Introduction in dental prosthodontics	5	2+2+1	150		
3MF151712	Appliances and instruments in dental laboratory	6	3+2+1	180		
3MF154212	Oral health	4	2+1+1	120		
3MF154112	Dental materials	5	2+2+1	150		

Code	SECOND YEAR – 4 th SEMESTER					
	COURSE	Credits	Hours	Overall		
				workload		
3MF150512	Mobile prosthodontics total	7	2+4+1	210		
31VIF 150512	denture 1	1 2+4+1				
3MF150612	Mobile prosthodontics - partial	7	2+4+1	210		
SIVIE 150012	denture 1	1	2+4+1			
3MF151212	Fixed prosthodontics 1	5	1+4+1	150		
3MF150112	Orthopedics of teeth and jaws	5	2+2+1	150		
3MF162312	Oral pathology and	4	2+1+1	120		
JIVIT 102312	periodontology	4	2+1+1			
	Elective course	2	1+1+1	60		

	THIRD YEAR – 5 th SEMESTER					
Code	COURSE	Credits	Hours	Overall workload		
3MF149912	Gnathology	5	2+2+1	150		
3MF150712	Mobile prosthodontics total denture 2	6	1+4+1	180		
3MF150812	Mobile prosthodontics - partial denture 2	7	1+5+1	210		
3MF151312	Fixed prosthodontics 2	7	1+5+1	210		
3MF150312	Esthetic dentistry	3	2+1+1	90		
	Elective course	2	1+1+1	60		

	THIRD YEAR – 6 th SEMESTER					
Code	COURSE	Credits	Hours	Overall workload		
3MF157512	Skeleton denture	6	2+4+1	180		
3MF157612	Craniofacial prostodontics	3	2+1+1	90		
3MF154912	Dental Implantology	3	2+1+1	90		
3MF151612	Dental ceramics	4	2+5+1	120		
3MF157512	Oral surgery	4	2+1+1	120		
	Final exam	8		240		
	Elective course	2	2+0+1	60		

LIST OF ELECTIVE COURSES

	SECOND YEAR – 4 th SEMESTER					
Code	COURSE	Credits	Hours	Overall workload		
3MF160512	Dental health in community	2	1+1+1	60		
3MF155512	Management in dentistry	2	1+1+1	60		
3MF157712	Maxillofacial surgery	2	1+1+1	60		

	THIRD YEAR – 5 th SEMESTER					
	COURSE Credits Hours Overall					
Code				workload		
3MF161712	Oral hygiene	2	1+1+1	60		
3MF108412	Restorative dentistry	2	1+1+1	60		
3MF123112	Sociology of health and illness	2	1+1+1	60		

	THIRD YEAR – 6 th SEMESTER					
Code	COURSE	URSE Credits Hours Overall workload				
3MF162212	Dental therapy	2	2+0+1	60		
		2	-			
	Paediatric dentistry	2	2+0+1	60		
3MF155012	Emergeny in dentistry	2	2+0+1	60		

III Annex 3

Ann	ex No.3	Program	of the Course - firs	st cy	cle studies	
1.	Title of th	e Course	Anatomy			
2.	Code					
3.	Study Pro	ogram	Graduated dental	tecl	nnician – prosthe	odontist
4.	Cycle (fir	st, second and third	Faculty of Medica			
	cycle)		University "Goce	Delo	hev" Stip	
5.		r of the study program istitute, Faculty, ent)	First cycle			
6.	Academi	c year / semester	First semester	7.	Number of credits	7
8.	Professo	r	Ass. professor Sv	vetla	na Jovevska, Ph	nD
9.	Requirem Course	nents for enrollment the				
10.		s of the curriculum (compe	,			
	Objectives of the curriculum (competencies): Introduction to anatomy as morphological science, master of professional terminology, complete study of the locomotion system.					
	 Introduction to the anatomy of the thorax, abdomen and pelvis, and skeletotopical and holotopical relations of these organs in body cavities Content of the course program: <u>Theoretical content:</u> Introduction to anatomy and osteology, types of bones, bone components, technical terminology, bones of real and movable part of the upper limb bones of real and movable part of the lower limb bones of the thorax and the body Introduction to <i>Syndesmology</i>, clue about joint, components of the joint, types of joints, <i>syndesmology</i> of the upper extremities, <i>syndesmology</i> of body and down extremities. Myology, angiology and neurology of the upper extremities, myology, angiologu and neurology of the the lower extremities Orientation of bone fracture, scapula, upper arm, forearm bones (radius and ulna) and parts of the thorax, breast structure, the system of organs for breathing, organs of the system for circulation. Abdominal wall - muscle, vasculature, innervation, ratios Organs in the abdominal cavity-peritoneum, esophagus, stomach, organs in the abdominal cavity-small and large intestine, liver, gall tract, pancreas. Spleen, kidney, adrenal gland, urinary tract, pelvic cavity-limits and structure; urinary organs, female reproductive organs, male reproductive organs Arteries of the head and the neck, veins and lymph vessels in the head and the neck 					
	10. Organ system in 11. Sense	d areas s of the head and neck-to ns of the digestive system n the head and the neck ory organ, eye and ear, no of the nervous system, ver	in the head and ne	eck (organs of the res	

				,				
	12th Spinal cord, medulla oblongata, cerebellum, midbrain, cerebrum, membranes of the brain							
	Practical content:							
	1.Orientation of bones: the clav	icle th	e scapula the humerus the	forearm bones				
	(the radius and the ulna); Hand skeleton: carpals, metacarpals and phalanges; the							
	chest and the vertebral column; Skeleton of the pelvic girdle - coxae, sacrum and							
	coccyx; Skeleton of the femur, the tibia, the fibula and the patella.							
	2. Foot skeleton –tarsals, metatarsals and phalanges; Joints of the upper							
	extremities, the chest and the v							
	3. Bones of the head (skull and							
	4. Muscles and blood vessels o	f the u	pper extremities; Muscles a	nd blood vessels				
	of the lower extremities; Innerva	ation of	the upper and lower extren	nities				
	5. Chest - wall structure, divisio							
	topography; Mediastinal organs	s - relat	ions; structure and topograp	ohy of the				
	respiratory system							
	6. Structure of the bloodstream		•					
	relations; Abdominal wall – stru							
	organs, vascularization and inn			inal cavity -				
	peritoneum, esophagus, stoma			iontation of the				
	7. Topography of organs in the abdominal cavity- structure and orientation of the small and large intestine; Orientation patterns of liver, bile tract, pancreas;							
	Orientation patterns of spleen, I		· · · · · · · · · · · · · · · · · · ·	-				
	8. Pelvic wall – structure, topog							
	cavity – urinary tract organs, rel	•	e .	-				
	innervation; Female genital orga		•					
	genital organs - orientation, rela							
	9. Vascularization of the head a		•	m of the head and				
	neck; Cranial and spinal nerves							
	10. Mouth cavity, Nasal cavity -	anato	mical parts, structure, function	on; Organs of the				
	digestive system located in the	head a	and neck; Organs of the resp	piratory system				
	located in the head and neck							
	11. Eye - anatomy, proportion, a			elations with other				
	organs; Sense organs of taste,							
	12. Endocrine glands-topograph	ny, reia	ations; Autonomic nervous s	ystem -				
12.	anatomical division, function							
12.	Learning methods: Interactive teaching, individual of	nneult	ations with students					
13.	Total available time	Jongull	210					
14.	Distribution of available time		3+3+1					
15.	Forms of teaching / learning	15.1	Lectures / theoretical -	45 hours				
	activities		contact teaching,					
			e-teaching					
	15.2 theoretical and practical 45 hours							
			exercises,					
			e-exams, preparation of					
			independent seminar					
			work					
16.	Other activities	16.1	Project tasks	15 hours				

			16.2	Individual tasks		15 hours
			16.3	Home learning		90 hours
17.	Metho	od of assessment				
	17.1.	Tests / oral exams				70 points
	17.2.	Seminars (paper/project and/or oral)	- pres	sentation: written		10 points
	17.3.	Activity and participation				20 points
18.	Asses	sment Criteria(points /scor	re) lu	ip 50 points		5 (five) (F)
			ł	51 to 60 points		6 (six) (E)
			(61 to 70 points		7 (seven) (D)
			7	'1 to 80 points		8 (eight) (C)
			8	31 to 90 points		9 (nine) (B)
				1 to 100 points		10 (ten) (A)
19.		ture requirement and	F	Presence of instruction a	and v	won at least 42
	passing the final exam		p	points from preexame activities		
20.	Langu	age of teaching / study	Ν	Macedonian		
21.	Metho teachi	od of monitoring the quality	of S	Selfevaluation		

22.	Literature									
		Requ	Required literature							
		No.	Author	Title	Publisher	Year				
		1.	Shumano G. and co.	Anatomy of human- script	Prosvetno delo					
	22.1.	2.	Kargovska K.A., Gorgevik N., Lazarova D	Anatomy of human- Osteologija	Prosvetno delo					
		3.	Kargovska K.A.,	Anatomy of human- hand and chest						
		4.	Kargovska K.A.,	Anatomy of human- lower limb						
		5.	Kargovska K.A.,	Anatomy of human- Abdomen						
		6.	Dzidrova D., Strateska Z.A., Hristova G.N., Kargovska K.A	Anatomy of human - Pelvis						
		Addit	ional literature							
	22.2.	No.	Author	Title	Publisher	Year				
		1.	Sinelnikov	AnatomicalAtlas ofman(I, II, IIIpart)		2008				
		2. F.N. Netter		Atlas of human anatomy	Springer	2011				

Annex No.3	

	Program of t	he Cou	rse - first/seco	nd/th	nird cycle	studies						
1.	Title of the Course	Int	roduction to hu	Iman	genetics							
2.	Code											
3.	Study Program	Gr	Graduated dental technician – prosthodontist									
4.	Organizer of the study progra		culty of Medica									
	(unit or institute, Faculty, department)	Un	iversity "Goce	Delc	hev" 'Stip)						
5.	Cycle (first, second and third	Fir	st cycle									
0.	cycle)			•			1					
6.	Academic year / semester		st semester	7.	Number credits	of	5					
8.	Professor (s)		of. Darko Bosn	akov	rski, PhD							
9.	Requirements for enrollment the Course	No	No requirements									
10.	Purposes of the curriculum (c	ompete	ncies):									
	Introduction to basic scientific knowledge of cell biology and genetics.											
11.												
	The content of the curriculum											
	1. Morphology and physiology	of the	cell.									
	2. DNA, iRNK, rRNK, tRNA,											
	3. Transcription, translation, r	eplicatio	on of the DNA.									
	4. Inheritance of properties-pr	rinciples	s, gene interact	tion;	Genes- s	tructure	and					
	function genome, genotype, g	genetic (code, alleles, a	nd g	ene expr	ession.						
	5. Structure and function of th	e chron	nosome. Mitos	is an	d meiosis	S.						
	6. Autosomal, recessive inhe	ritance,	X linked inher	itanc	e, interm	ediate a	nd					
	codominant inheritance.											
	7. Numerical chromosomal at	perration	ns: aneuploidy,	, hete	eroploidy,	monos	omy,					
	nullisomy, trisomy.											
	8. Structural aberration: delet	ions, du	plications, tran	sloca	ations, in	versions	.					
	9. Mutations. Mutagenic facto											
	10. Autosomal and X-linked											
	11. Genetic basis of malignar	ncy (can	cer).									
	12. Genetic engineering.											
12.	Learning methods:		. ,									
	Lectures, exercises, seminars	researc	-	l act	ivities							
13.	Total available time		150									
14.	Distribution of available time		2+2+1			_						
15.	Forms of teaching / learning	15.1.	lectures / the		cal -	30) hours					
	activities		contact teach	ning,								
			e-teaching									
		15.2.	theoretical ar	nd pra	actical	30) hours					
			exercises,									
			e-exams, pre	•								
			independent	semi	nar							
			work									
16.	Other activities	16.1.	Project tasks			15 hours						
		16.2.	Individual tas	ks		15	5 hours					

				16.3.	Home learning		(60 hours	
17.	Metho	d of as	sessment						
	17.1.	Tests	/ oral exams				7	0 points	
	17.2.	Semin and/or		oject - p	presentation: written		1	0 points	
	17.3.	Activit	y and participation	on			2	0 points	
18.	Asses score)		Criteria (points /		up 50 points	5 (F)	(five)		
	,				51 to 60 points	6 (E)	(six)		
					61 to 70 points	7 (D)	(seve	n)	
					71 to 80 points	8 (C)	(eight)	
					81 to 90 points	9 (B)	(nine)		
					91 to 100 points	10 (A)	(ten)		
19.			uirement and nal exam		42 points acquired				
20.			teaching / study		Macedonian				
21.	Metho of tead		onitoring the qua	lity	Electronic self-evaluation				
22.	Literat	ure							
			ired literature						
		No.	Author		Title	Put	olisher	Year	
	22.1.	1.	Nada Miteva		General biology (cytology, genetics, embryology)	UK	IM	2000	
		2.	Marija Kaeva Pejkovska		Medical genetics	UG	D	2008	
	3.								
	Additional literature								
		No.	Author		Title	Put	olisher	Year	
	22.2.	1.	Essentials of Genetics		Klug, Cummings and Spencer		njamin mming	2012	

1. 2. 3. 4. 5.	Title of the Code Study Pro	e Course				le studies	
2. 3. 4.	Code		Hi	stology and emi	orvolo	av	
3. 4.				otology and onn	oryolo	9)	
4.		ogram	G	raduated dents	al toch	nnician – prosth	odontist
	-	st, second and third cycle)		culty of Medical			odontist
5.	· · ·	· · · ·	Ur	niversity "Goce I			
	or institute	r of the study program (un e, Faculty, department)		st cycle			
6.	Academic	c year / semester	Fir	st semester	7.	Number of credits	6
8.	Professor	-	As	s. professor Ne	venka	Velickova, PhD	
9.	Requirem Course	ents for enrollment the		o requirements			
10.	Introducin and organ	of the curriculum (compend ng the histological structur n systems in man.			on of a	all types of tissue	s, organs
11.	Theoretic 1. Ep 2. Co 3. M 4. N 5. G 6. R 7. R 9. Sp 10. E 11. O 12. P Practical a 3. Co 4. M 5. N 6. G 7. R 9. R 9. R 9. R 9. R 10. N 11. S	of the course program: <u>al lectures</u> pithelial tissues potentive tissue luscle tissue lervous tissue astrointestinal system ES espiratory system. uroger lervous system. Endocrine permatogenesis and ooge mbryonic development organogenesis lacentation <u>activities</u> aking permanent histologi pithelial tissues perctive tissue lervous tissue lervous tissue astrointestinal system clands in the gastrointestir ES espiratory system. uroger lervous system. Endocrine permatogenesis and ooge lacenta. embryonic leaves	e syste nesis cal pre nal sys nital sy e syste eneza	eparations tem stem			
12.	Learning		1				
		tutorials, seminares, rese	arch a		ivities		
13.		ilable time		180			
14.		on of available time		2+3+1			
15.	Forms of activities	teaching / learning	15.1	Lectures / theo contact teaching		ıl -	30 hours

					e-teaching					
			1:	5.2	theoretical and practica exercises,			45 hours		
					e-exams, preparation c					
10	Oth an a			0.4	independent seminar w	/ork		45 6		
16.	Other a	activities		6.1	Project tasks			15 hours		
			1	6.2	Individual tasks			20 hours		
			1	6.3	Home learning			70 hours		
17.			essment							
	17.1.	Tests /	oral exams					70 points		
	17.2.	Semina oral)	rs (paper/project - pre	esen	tation: written and/or			10 points		
	17.3.		and participation					20 points		
18.	Assess	ment C	riteria(points /score)	ι	ip 50 points		5 (five) (F)			
_			······································		51 to 60 points		6 (six) (E)			
					61 to 70 points		7 (s	seven) (D)		
					71 to 80 points		8	(eight) (C)		
					31 to 90 points		9	(nine) (B)		
					91 to 100 points			0 (ten) (A)		
19.			irement and passing		Presence of instruction			east 42		
	the fina				points from all pre-exar	n activit	ties.			
20.	Langua	age of te	eaching / study	Ν	Macedonian					
21.	Methoo teachin		nitoring the quality of	0	Selfevaluation					
22.	Literat	ure								
		Requi	red literature							
		No.	Author		Title	Publis	sher	Year		
	22.1.	1.	Luis Carlos Zhunkve Jose Karneiro	ira	Basic histology					
		2.	Nada Mitewa		Histology and Embryology					
		3.	Nevena Kostovska Ljiljana Milenkova		Histology and Embryology					
		Additi	onal literature		Lineryology			<u> </u>		
	22.2.				Title	Publis	sher	Year		
		1.				1				

Ann	ex No.3	Prog	ram of t	he Course - fir	st cv	cle studies					
1.	Title of th			ommunication s							
2.	Code										
3.	Study Pro	ogram	G	raduated denta	l tecł	nnician – prostł	nodontist				
4.		st, second and third		aculty of Medica							
	cycle)	-,		niversity "Goce							
5.		r of the study progran		rst cycle		I					
		stitute, Faculty,		-							
	departme										
6.	Academi	c year / semester	Fi	rst semester	7.	Number of	6				
		-				credits					
8.	Professo	ſ	As	ss. professor G	ordaı	na Panova, Ph	D				
9.	Requirem Course	nents for enrollment th	ne								
10.	. Purposes of the curriculum (competencies):										
	Students become familiar with the nature, structure, characteristics, principles of										
	the comm	nunication. Learning c	of comm	unication skills	thro	ugh training an	d				
	exercises).									
11.	Content of	of the course program	:								
		ction to communication	on skills	;							
		of asking questions									
	3. Listeni										
		rbal behavior									
		answering									
		g of information mode									
		or link building health	worker	-patient							
		eling skills									
		of persuasion	or no re	aaan taka aara	of th	a air baalth Ma	rking with				
		asiveness of people f		eason lake care	oru	ien nealth, wo	rking with				
	older peo	·									
		with parents nunication of prognos	is hone	and risk							
12.		methods:									
13.		ilable time		180							
14.		on of available time		2+3+1							
15.		teaching / learning	15.1	Lectures / the	oreti	cal -	30 hours				
	activities	is a series of the series of t		contact teachi							
				e-teaching	··.ə,						
			15.2	theoretical and	d pra	ctical	45 hours				
				exercises,							
				e-exams, prep	barat	ion of					
				independent s							
				work							
16.	Other act	ivities	16.1	Project tasks			15 hours				
			16.2	Individual task	Ś		20 hours				

				16.3	Home learning		70 hours			
17.	Metho	d of as	sessment							
	17.1.	Tests	/ oral exams				70 points			
	17.2.	Semir and/or	nars (paper/project - r oral)	- pres	sentation: written		10 points			
	17.3.		y and participation			20 po				
18.			Criteria(points /score	e) I	up 50 points					
10.	/ 10000	onnorm		· ·	51 to 60 points	6 (six) (E				
					61 to 70 points 7 (seven)					
					71 to 80 points					
				8	31 to 90 points		(nine) (B)			
				ç	91 to 100 points	10	(ten) (A)			
19.			quirement and		Presence of instruction		ast 42			
		<u> </u>	inal exam		points from preexame a	activities				
20.	Langu	age of	teaching / study	ſ	Macedonian language					
21.			onitoring the quality	of	Selfevaluation					
	teachi	ng								
22.	Literat	ure								
		Requi	ired literature							
		No.	Author		Title	Publisher	Year			
	22.1.	1.	KR Seturaman		Communicational skill in clinical practice	Tabernakul	2010			
		2.	Mandiħ, T		Communicology: Communication Psychology	Klio, Beograd	2003			
		3.								
		Additi	onal literature							
		No.	Author		Title	Publisher	Year			
	22.2.	1.	Rosenberg, M.		Language compassion	Institute for textbooks and teaching aids	2002			
		2.	Goleman D.,		emotional Intelligence	Geopoetika, Beograd	1997			

Annex No.3										
			Program of the Course	- first c	ycle studies					
4	T:41 4 - 1-									
1. 2.		e Course	CLINICAL PSYCHOLC	JGY						
2. 3.	Code	arom	Craduated deptal teahs	ioion	prootbodoptict					
3. 4.	Study Pro	ogram of the study	Graduated dental techn		prostriodontist					
4.			Faculty of Medical Sciences University Goce Delcev							
		(unit or institute, department)								
5.		st, second and	First cycle							
5.	third cycl									
6.	Academi		First semester	7.	Number of	2				
0.	semester				credits	-				
8.	Professo		Prof. Lence Mlloseva, F	h.D	0.00.00					
9.	Requiren		· · · · · · · · · · · · · · · · · · ·							
		nt the Course								
10.			im (competencies):							
			with basic concepts and	tasks	of clinical psycholog	y and				
			eir applicability in medical							
	• To	gain knowledge	and understanding of the	e conce	epts, structure,					
	psycholo	gical processes a	and personality changes	through	n different developm	iental				
	periods.									
			ic principles of psycholog							
			logical interventions with							
			ding of human behavior i	in medi	ical settings, the per	son's				
		to illness.								
			with biopsychosocial mo							
			es, and some of the mos			-				
			oproaches to diagnosis a			naing of				
			approaches to their poter	•	•	haalth				
	• IC and well		and methods for maintai	ining ar	n promoting mental	nealth				
		0	nightion skills (destar/pat	tiont)						
11.		ent of the curricu	inication skills (doctor/pat	uent).						
11.	<u>General</u>									
			lical Psychology as a scie	ence (C	linical and Health					
			tings).Biopsychosocial m	•						
		•••	nt. Child and adolescent			f				
		d and aging.		poyone	logy. I byonology of					
			ents (Psychological aspe	cts of h	ospitalization . Child	d as a				
			. Geriatric patients. Psyc		•					
	examinations and surgery interventions; intensive care).									
			(Psychological aspects of		and methods of cop	oing).				
	• Co	ommunication in	medical settings.	•		0,				
	Special p		J. J							
	• St	ress and coping.								
			mental disorders.							
	• Ps	sychoneuroimmu	nology, AIDS and cance	r; Psyc	ho-oncology; Psych	ological				
		of chronic and ter		-		-				

			-							
	•					nological aspects of ca				
						aspects in prevention o	f somatic III	ness;		
	Psych	-	al aspects o	rpregn	ancy	•				
	•		and dying.							
	•		ve health ps	•		141 1 11				
10	•			. Family	/, he	alth and illness.				
12.	Learni	<u> </u>								
						work, reports, homew				
						dying techniques, indiv	idual tasks,	simulation of		
10				nai acti		s, individual studying				
13.			le time	()	60	1.4				
14.			of available		1+1			45 haven		
15.		s of tea ng activ	ching / /ities	15.1.	lec	tures - theoretical teac	ning	15 hours		
				15.2.		ercises(laboratory,theo ninars, teamwork	retical),	15 hours		
16.	Other activiti	forms	of	16.1.	Pro	ject tasks		15 hours		
	activiti	62		16.2.	Ind	ividual tasks		5 hours		
	16.3. Home learning							10 hours		
17.	Metho	d of as	sessment							
	17.1.	Tests						70 points		
	17.2.	Semir	nars (paper	/projec	t - pr	esentation: written		10 points		
		and/o		. ,	•			•		
	17.3.	Activi	ty and partic	cipation	1			20 points		
18.	Asses	sment	Criteria	up	up 50 points			5 (five) (F)		
	(points	s /score	e)		51 to 60 points			6 (six) (E)		
			,	61	61 to 70 points			7 (seven) (D)		
) points		8 (eight) (C)		
				81	to 90) points		9 (nine) (B)		
						0 points		10 (ten) (A)		
19.	Signat	ture red	quirement			ccess from all pre-exa	n activities	or 42 points		
			the final			e mid-term tests and th		-		
	exam			as	atter	idance and participatio	n in class			
20.	Langu study	age of	teaching /	Ma	cedc	onian				
21.	Metho		onitoring the	e Sel	f-eva	aluation				
	quality	of tea	cning							
22	Literat	1								
·	22.1.		ired literatu	re				Γ		
		No.	Author			Title	Publisher	Year		
		1.	Milosheva	, <u>L.</u>		Clinical psychology - course e-learning	Faculty of Medical Sciences	2013		
							UGD,			

	2.	Berger, J, & Mitic, M.	Introduction to Clinical Psychology	Beograd: Primenjena psihologija	2002		
	3.	Milosheva, L.	Developmental Psychology	Stip,UGD	2013		
	4.	Havelka, M.	Health psychology	Jastrebarsko: Naklada Slap	2002		
22.2.	Addit	ional literature					
	No.	Author	Title	Publisher	Year		
	1.	Nietzel,M.T., Bernstein, D.A. & Milich, R.	Introduction to Clinical Psychology	Jastrebarsko: Naklada Slap	2002		
	2.	Michie S. Abraham C.	Health Psychology in Practice	Oxford: BPS Blackwell Publishing	2004		

Ann	ex No.3		Pro	gram of the Course	- first cy	ycle studies					
1.	Title of th	e Course	Forei	ign Language1 (Eng	lish 1)						
2.	Code										
3.	Study Pro	ogram	Grac	duated dental tech	nician –	- prosthodon	tist				
4.	program(r of the study unit or institute,		Faculty of Medical Sciences University Goce Delcev							
5.		lepartment) st, second and	First	cycle							
6.		c year / semester	first s	semester	7.	Number of	credits	4			
8.	Professor		Prof. Prof. Prof.	Dusko Aleksovski Biljana Ivanovska Tole Belčev or Lecturer MA Snez							
9.	Requirem enrollmer	ents for ht the Course	Enro	lled first year							
10.	 Objectives of the curriculum (competencies): Training for oral communication in everyday situations and expressing their own views and opinions; Understanding speech from various speakers and longer oral testimony and information; Identification of general and specific information in longer texts; Training for written expression (compile, letters, reports and other forms of academic writing); Enrichment of vocabulary; Mastering the various grammatical forms and structures; Ability to receptive and productive use of English in spoken and written context; Ability to understand and correct application of grammatical forms and structures (Members, times, indirect speech, passive voice, conditional sentences, ie, sentences, modal verbs, infinitive / gerund, idiomatically expressions frazalni verbs, prepositions, zboroobrazuvanje, comparison of adjectives, and etc. 										
11.	 The content of the curriculum: Grammar: Articles, many / innumerable names, current times, word-formation - adjectives, indirect speech, comparison of adjectives, adverbs; Vocabulary: ways to communicate, express feelings and emotions, description of job skills, money types, types of houses, electrical appliances, furniture, description of physical appearance and character, lifestyles, frazalni verbs suggestions; Reading: various texts with exercises (multi-choice questions, determining the exact position of the omitted sentences and passages in the text, connecting passages with subheadings); Listening: speech of various speakers and longer oral statements and information sessions (multiple-choice questions, writing notes, adding sentences); Speaking: comparing, making suggestions, expressing emotions, expressing opinions, agreeing / disagreeing, requesting and providing clarification, expressing wishes, regrets, making suggestions; 										
12.	Learning		s, inter	activemethod: group arningtechniques, inc							
				lependent learning.							
13.		ilable time		120							
14.	Distributio	on of available time)	0+0+4							
15.	Forms of	teaching / activities	15.1.	lectures - theoretic	al teach	ing					

			15.2.	Exercises(laboratory,theoretica seminars, teamwork	al),		
16.	Other	forms of activities	16.1.	Project tasks	60 hours		
			16.2.	Individual tasks	15 hours		
	1		16.3.	Home learning	45 hours		
17.	17. Method of assessment						
	17.1.	Tests			70 points		
	17.2. Seminars (paper/proj oral)			presentation: written and/or	10 points		
	17.3.	Activity and particip	oation		20 points		
18.	Asses	sment Criteria (poin	ts up	50 points	5 (five) (F)		
	/score)	51	to 60 points	6 (six) (E)		
			61	to 70 points	7 (seven) (D)		
			71	to 80 points	8 (eight) (C)		
			81 1	to 90 points	9 (nine) (B)		
				to 100 points	10 (ten) (A)		
19.		ure requirement and g the final exam	d 60%	60% of the written examination success			
20.	 Language of teaching / study 			English			
21.				f-evaluation			

22.	Literatu	ire								
		Requi	red literature							
		Ред. број	Author	Title	Publisher	Year				
	22.1.	1.	Virginia Evans and Jenny Dooley	Upstream -Intermediate	Express Publishing	2002				
		2.								
		3.								
		Additional literature								
	22.2.	Ред. број	Author	Title	Publisher	Year				
	22.2.	1.	Oxford Practice Grammar	John Eastwood	OUP	2009				
		2.	Practical English Usage	Michael Swan	OUP	2005				

AIIII	ex No.3		Prog	ram of the Course	- first cy	cle studies/		
1. 2.	Title of th Code	e Course	Fore	ign Language1 (Ital	lian lan	guage 1)		
<u>2.</u> 3.	Study Pre	ogram	Grad	luated dental techn	ician _	prosthodont	liet	
<u>3.</u> 4.		r of the study		Ity of Medical Scier		prostriodom	131	
т.	•	unit or institute,		ersity Goce Delcev				
		department)	01110					
5.		st, second and	First	cycle				
•	third cycl							
6.	Academi	,	first	semester	7.	Number of		4
-	semester	-				credits		
8.	Professo	r (s)	Prof.	Dusko Aleksovski		I		
			Prof.	Biljana Ivanovska				
			Prof.	Tole Belčev				
			Seni	or Lecturer MA Sne	ezana K	(irova		
9.	Requiren	nents for	Enro	olled first year				
		nt the Course						
10.	•	es of the curricul	•	• •				
				tudent basic knowle				
				n everyday situation				
				able to seek and in				
				onment in which the				
appearance of a person to talk about their habits and interests, to communicate by						ite by		
		order the restau		etc).				
11.		ent of the curric		e e e e e e e e e e e e e e e e e e e	. 1. 211 .	P. 6		
		ion to basic voc	abulary	v, practicing reading	SKIIIS,	listening, sp	eaking	and
	writing.	a tha rulaa of ra	odina a	and writing and basi	o arom	motion onto	aorioo (aondor
				and writing and basi atives, personal pror				
				ggestions, stories o			esent te	51150,
12.				teractivemethod: gr			homey	vork
12.				perativelearningted				vork,
				ationalactivities, ind				
13.		ilable time		120				
14.	Distributi	on of available t	ime	0+0+4				
15.		teaching /	15.1.	lectures - theoretic	cal teac	hing		
	learning	•				÷		
			15.2.	Exercises(laborato	ory,theo	oretical),		
				seminars, teamwo	ork	·		
16.	Other for	ms of	16.1.	Project tasks			6	60 hours
	activities		16.2.	Individual tasks				15 hours
			16.3.	Home learning			4	45 hours
17.	Method o	of assessment:		1				
				lectures, homewor	ممما			

		rative learning techni tional activities, self-	iques, individual tasks, simulation study. etc	extracurricular	
	17.1.	Tests		70 hours	
	17.2.	Seminars (paper/pr and/or oral)	roject - presentation: written	10 hours	
	17.3.	Activity and particip	20 hours		
18.	Asses	sment Criteria	up 50 points	5 (five) (F)	
	(points	s /score)	6 (six) (E)		
			7 (seven) (D)		
			71 to 80 points	8 (eight) (C)	
			81 to 90 points	9 (nine) (B)	
			91 to 100 points	10 (ten) (A)	
19.	Signa	ture requirement	60% success out before testing a	activities ie 42 points	
	and pa	assing the final	from two colloquia, seminar, atte	ndance at lectures and	
	exam		tutorials		
20.	Langu study	age of teaching /	Italian and Macedonian languages		
21.		d of monitoring the of teaching	Self-evaluation and evaluation by	y students	

22	Literat	ure								
•		Required literature								
	22.1.	No.	Author	Title	Publisher	Year				
		1.	MARIN,T. & MAGNELLI,S.	Progetto italiano 1, nuovo (Libro dello studente)	Edilingua					
		2.	MARIN,T. & MAGNELLI,S.	Progetto italiano 1, nuovo (Quaderno degli esercizi)	Edilingua					
		Addit	ional literature	· · ·						
	22.2.	No.	Author	Title	Publisher	Year				
		1.								

Ann	ex No.3		Prog	ram of the Course	- first c	ycle studies			
1.	Title of th	ne Course	Fore	ign language 1 (Ge	rman la	anguage 1)			
2.	Code								
3.	Study Pr	ogram	Grad	duated dental techn	ician –	prosthodont	ist		
4.	Organize	of the study	Facu	ulty of Medical Scier	nces	•			
	program	(unit or institute,	Univ	ersity Goce Delcev					
	Faculty,	department)							
5.	Cycle (fir	st, second and	First	cycle					
	third cycl	e)							
6.	Academi	c year /	first	semester	7.	Number of		4	
	semeste	r				credits			
8.	Professo	or (s)	Prof	. Dusko Aleksovski					
				. Biljana Ivanovska					
				. Tole Belčev					
				ior Lecturer MA Sne	ezana k	Kirova			
9.	Requirer		Enro	olled first year					
		nt the Course							
10.		es of the curricul	•	. ,					
				student basic knowle					
	german l	anguage, which	is nec	essary in everyday	situatio	ons into cont	act with	german	
	language								
11.		ent of the curric							
	Introduction to basic german vocabulary, practicing reading skills, listening, speaking								
	and writi	<u>v</u>							
12.		methods:							
				roup work, lectures					
				hniques, individual 1	tasks, s	simulation ex	tra curi	ricular	
		nalactivities, ind	epende						
		ailable time		120					
		on of available t		0+0+4					
15.	Forms of learning	teaching / activities	15.1.	lectures - theoretic	cal tead	ching			
			15.2.	Exercises(laborate	ory,theo	oretical),			
				seminars, teamwo	ork				
16.	Other for		16.1.	Project tasks				60 hours	
	activities		16.2.	Individual tasks				15 hours	
			10.2.	Individual lasks				15 HOUIS	
			16.3.	Home learning				45 hours	
17.	Interactiv			, lectures, homewor				ate,	
	cooperative learning techniques, individual tasks, simulation extracurricular								
		nal activities, se	it-study	/, etc				70	
		ests						70 points	
		eminars (paper, nd/or oral)	/projec	t - presentation: wri	tten			10 points	

	17.3.	Activit	y and particip	ation			20 points	
18.	Asses	sment	Criteria	up 50 po	ints	5	(five) (F)	
	(points	s /score	e)	51 to 60	points	6 (six) (E)		
				61 to 70	points	7 (seven) (D)		
				71 to 80	points	8 (eight) (C)	
				81 to 90	points	9	(nine) (B)	
				91 to 100) (ten) (A)	
19.	0		quirement		cess out before testing a			
	•	assing f	the final		colloquia, seminar, atte	ndance at lectu	res and	
	exam		,	tutorials				
20.	study		teaching /	German	and macedonian langua	iges		
21.		d of mo	onitoring the ching	Self-eval	uation and evaluation by	y students		
22.	Literat	ure						
		Requ	ired literature					
		No.	Author		Title	Publisher	Year	
		1.	Elke Günzel		Ankommen in	Verlag für	1997	
				, ,	Deutschland,	Deutsch		
	22.1.				Lehrwerk für Deutsch			
					als Fremdsprache			
		2.	Klett Verlag		Grammatik mit Sinn und Verstand	Klett Verlag, Мьпсhen	2000	
		3.	Engel, U		Deutsche Grammatik	Heidelberg: Gross.	1996	
		Additi	ional literature	•		01000.		
		No.	Author		Title	Publisher	Year	
		1.	DUDEN		Grammatik der	Mannheim/	1995	
					deutschen Sprache	Wien/Zürich:		
	22.2.					Dudenverlag		
						(=Der Duden		
						in 12		
						Bänden Bd. 4).		
		2.	Grčeva, R./F	Rau, P.	Golem makedonsko-	Skopje,	2006	
					germanski/germansk	Magor		
					o-makedonski rečnik	_		

Ann	ex No.3		Prog	ram of the Course	- first cy	cle studies/		
1.	Title of th	e Course	Fore	ign language 1 (Fre	ench lar	nguage 1)		
2.	Code							
3.	Study Pro		Grad	duated dental techn	ician –	prosthodon	tist	
4.	program(r of the study unit or institute, department)		Ity of Medical Scier ersity Goce Delcev	nces			
5.	Cycle (fir third cycl	st, second and e)	First	cycle				
6.	Academi	c year /	first	semester	7.	Number of		4
8.	semester Professo		Prof. Dusko Aleksovski Prof. Biljana Ivanovska Prof. Tole Belčev Senior Lecturer MA Snezana Kirova					
9.	Requirem enrollmer	nents for nt the Course	Enro	lled first year				
10.	 Objectives of the curriculum (competencies): Acquiring skills for oral and written comprehension and expression in given situations. Ability correct formulation of simple statements; Ability to convey in simple daily situations, knowledge of the most important characteristics of French civilization. 							
11.	Gramman Mastering adding co And pers partitiven of long pr adjective izvichni a negation. Vocabula Presenta Culture a	g the basic rules onsonants). V onal names, ge article uses the roxy forms, bind , their place in re idjectives. Forgi . Types prashali ary: tion of personal	s of pro erb gro nder ar article ing of p elation ve and ni sente ities, pro-	nunciation (releasing oups and their variand number of nouns or merging with sugg for the noun. Descri- items. Ordered and ences. rofessions, hobbies be regions, holidays	tions in s. Defini gestions estions ptive, p d condit , food, I	the formati ite and inde s. Personal . Gender an ointing, pos ional. Form	on of pro finite art pronour id numb vojni, pr ation of	esent. icle ns, use er of
	Seminars debate, c education	s, interactive me cooperative learn nal activities, inc	ning te	v				
13.		ilable time		120				
14.								
15.	Forms of learning a	teaching / activities	15.1.	lectures - theoretic	cal teac	hing		
			15.2.	Exercises(laborate seminars, teamwo		oretical),		
16.	Other for	ms of	16.1.	Project tasks			6	60 hours

	activit	ies	16.2.	Individual tasks		15 hours	
			16.3.	Home learning		45 hours	
17.	Intera coope		nniques	, lectures, homework, papers, s, individual tasks, simulation /, etc			
	17.1.	Tests				70 points	
	17.2. Seminars (paper/project - presentation: written and/or oral)					10 points	
	17.3.	Activity and partic	cipation	l	20 points		
18.	Asses	sment Criteria	riteria up 50 points			5 (five) (F)	
	(point	s /score)	51	51 to 60 points		6 (six) (E)	
			61	to 70 points	7 (seven) (D)		
			71	to 80 points	8 (eight) (C)		
			81	to 90 points		9 (nine) (B)	
			91	to 100 points		10 (ten) (A)	
19.	Signature requirement and passing the final exam			60% success out before testing activities ie 42 points from two colloquia, seminar, attendance at lectures and tutorials			
20.	Language of teaching / study			French and macedonian languages			
21.		od of monitoring the	e Sel	f-evaluation			

22.	Literat	ure							
		Requi	red literature						
		No.	Author	Title	Publisher	Year			
	22.1.	1.	Guy Capelle, Robert Menand	Taxi! 1 Méthode de français	Hachette	2002			
	22.1.	2.	Guy Capelle, Robert Menand	Taxi! 1 Méthode de français. Cahier d'exercices	Hachette	2002			
		3.							
		Additional literature							
		No.	Author	Title	Publisher	Year			
	22.2.	1.	ATANASOV, POPOSKI, KALAJLIEVSKA	Francusko - makedonski rečnik	Prosvetno delo	1992			
		2.	POPOSKI, ATANASOV	Makedonsko - francuski rečnik	Prosvetno delo	1992			

Ann	ex No.3		Prog	ram of the Course	- first cy	vcle studies		
1.	Title of th	e Course	Fore	ign language 1 (Sp	anish L	anguage 1)		
2.	Code							
3.	Study Pro			duated dental techn		prosthodont	tist	
4.	•	r of the study		ulty of Medical Scier				
		unit or institute,	Univ	ersity Goce Delcev				
_		department)						
5.	Cycle (fir third cycl	st, second and e)	First	First cycle				
6.	Academi	c year /	first	semester	7.	Number of		4
	semester	•				credits		
8.	Professo	r (s)	Prof. Dusko Aleksovski Prof. Biljana Ivanovska Prof. Tole Belčev Senior Lecturer MA Snezana Kirova					
9.	Requiren	nents for nt the Course	none)				
10.	 Objectives of the curriculum (competencies): Ability for oral and written expression and comprehension of simple situations of everyday life, the ability to transfer content to read simple language and style, the ability of students to give and seek information, to greet, to communicate by telephone, to discuss the topics of everyday life, to describe the environment in which they live, to talk about their habits and interests as well as determining the grammatical structures and contents etc The content of the curriculum: 							
		nal activities, inc	•	chniques, individual ent learning.	taono,	onnalation c	Midoui	noului
13.		ilable time	1	120				
14.		on of available t	ime	0+0+4				
15.	Forms of learning	teaching / activities	15.1.	lectures - theoretic	cal teac	hing		
			15.2.	Exercises(laborato seminars, teamwo	•	oretical),		
16.	Other for activities	ms of	16.1.	Project tasks			(60 hours
	activities		16.2.	Individual tasks				15 hours
			16.3.	Home learning				45 hours
17.	Method c	of assessment:						

	coope	, O 1	work, lectures, homework, papers, iques, individual tasks, simulation study, etc		
	17.1.	Tests		70 points	
	17.2.	Seminars (paper/pi and/or oral)	10 points		
	17.3.	Activity and particip	ation	20 points	
18.	Asses	sment Criteria	up 50 points	5 (five) (F)	
	(points	s /score)	51 to 60 points	6 (six) (E)	
			61 to 70 points	7 (seven) (D)	
			71 to 80 points	8 (eight) (C)	
			81 to 90 points	9 (nine) (B)	
			91 to 100 points	10 (ten) (A)	
19.	Signa	ture requirement	60% success out before testing activities ie 42 points		
	and pa exam	assing the final	from two colloquia, seminar, attendance at lectures and tutorials		
20.	Langu study	age of teaching /	Spanish and Macedonian languages		
21.					

22.	Literatu	ure								
		Requ	ired literature							
		No.	Author	Title	Publisher	Year				
	22.1.	1. Ramon Sarmiento 2 A Jarvis R Lebredo		"Gramatica progresiva de español para extranjeros"	"Colibri", Софија	1998				
		2.	A. Jarvis, R. Lebredo, F. Mena-Ayllón	"Basic Spanish Grammar"	Houghton Mifflin Company - USA	2000				
		3.								
		Additional literature								
		No.	Author	Title	Publisher	Year				
	22.2.	1.	A. Gonzales Hermoso, J. R. Cuenot, M. Sanchez Alfaro	"Gramatica de español lengua extranjera"	Madrid. Spanija	1999				
		2.	Cristina Karpacheva	"Manual de español"	Sofija	1998				

Ann	ex No.3		Prog	Program of the Course - first cycle studies					
1.	Title of th	e Course	Fore	ign language 1 (Ru	ssian la	inguages 1)			
2.	Code					<u> </u>			
3.	Study Pro	ogram	Grac	Graduated dental technician – prosthodontist					
4.	Organize	r of the study	Facu	Ity of Medical Scier	nces				
	program(unit or institute,	Univ	ersity Goce Delcev					
		department)							
5.	• •	st, second and	First cycle						
	third cycl								
6.	Academi	-	First	semester	7.	Number of		4	
	semester					credits			
8.	Professo	r (s)	-	Dusko Aleksovski					
			Prof. Biljana Ivanovska						
			Prof. Tole Belčev						
-	Senior Lecturer MA Snezana Kirova								
9.	Requirements for none								
10	enrollment the Course								
10.	, , , , , , , , , , , , , , , , , , , ,								
	The main objective of the course is to train students for practical governance Russian language characteristic of a basic level of proficiency in the Russian language, which								
				words - 700 - 1000					
				n of monologue and					
11.		ent of the curric		eech, and develope		sorreading	and wh	ung.	
11.				e placed on master	ring the	Pussian alr	habat c	and	
		. .		ussian language: n	•				
				sessive pronouns, I					
		and "necessar					with the		
				pert (household) sι	ubiect to	o the cultura	l charad	cter:	
				uestions like "Who i					
				e, mine" asking que					
	"Who are		-)	, 5 , 5 , 1			- ,		
12.		methods:							
	0		thod: o	roup work, lectures	, home	work, paper	s, discu	ssion,	
	debate, c	cooperative learn	ning teo	chniques, individual	tasks,	simulation e	extracur	ricular	
		nal activities, inc			-				
13.	Total ava	ilable time	-	120					
14.	Distributi	on of available t	ime	0+0+4					
15.	Forms of	teaching /	15.1.	lectures - theoretic	cal teac	hing			
	learning a	activities							
			15.2.	Exercises(laborate	ory,theo	oretical),			
				seminars, teamwo	ork				
	-								
16.	Other for	ms of	16.1.	Project tasks			6	60 hours	
	activities		16.2.	Individual tasks				15 hours	
			10.2.	mainaa lasks					

			16.3.	Home learning		45 hours	
17.	Intera coope		iniques	, lectures, homework, papers, s, individual tasks, simulation e			
	17.1.	Tests			70 points		
	17.2.	Seminars (paper/ and/or oral)		10 points			
	17.3.	Activity and partic		20 points			
18.	Asses	sment Criteria	up	50 points		5 (five) (F)	
	(points	s /score)	51	to 60 points	6 (six) (E)		
			61	to 70 points		7 (seven) (D)	
			71	to 80 points		8 (eight) (C)	
			81	to 90 points		9 (nine) (B)	
			91	to 100 points		10 (ten) (A)	
19.	Signature requirement and passing the final exam			60% success out before testing activities ie 42 points from two colloquia, seminar, attendance at lectures and tutorials			
20.	Langu study	age of teaching /	Ma	Macedonian and russian languages			
21.							

22.	Literat	ture									
		Requ	ired literature								
		No.	Author	Title	Publisher	Year					
	22.1.	1.	L.V. Moskovkin	Russkiy yazyk – Uchebnik dlya inostrannykh studentov podgotoviteľnykh fakuľtetov	SMIO PRESS, St.Petersburg	2006					
		2.									
		3.									
		Addit	Additional literature								
	22.2.	No.	Author	Title	Publisher	Year					
		1.									
		2.									

Ann	ex No.3	F	rogran	n of the Cours	se -	first cycle stud	ies
1.	Title of the	Course	S	port and recre	atio	n	
2.	Code		U	GD102712			
3.	Study Prog	ram	G	raduated dent	tal te	echnician – pro	sthodontist
4.	Organizer of the study program			Goce Delcev"	Univ	/ersity - Stip	
	``	itute, Faculty,	Fa	aculty of Medi	cal 3	Sciences	
_	department						
5.	cycle)	second and third		rst cycle			
6.		/ear / semester		rst semester	7.	Number of credits	0
8.	Professor (/			-	ana Popeska, I	PhD
9.	the Course	nts for enrollment		inrolled first ye	ear		
10.	 Purposes of the curriculum (Competencies): Fulfillment of students' needs for movement and physical activity. Maintenance and development of students' motor abilities. Content of the course program: 						
	physical ac 2. Basic phy warming, e 3. Aerobics group) 4. Outdoor 5. Basketba double drib 6. Basketba 7. Table ter 8. Table ter 9. Volleyba 10. Handba 11. Aerobic 12. Testing	all (play) nnis and badminto nnis and badminto II (play) II (play) s, martial arts, ele motor abilities, ele	streng (introo gthenir artistic and or c bask on on ementa lement	thening of ce duction to and og of certain m gymnastics (ientation tetball elemen ary games (ac ary games, m	rtair l app nusc acco ts -	n muscle group plication of diffe cle groups) ording to the st travelling, pass ding to the grou rn and tradition	s) erent forms of ructure of the sing, dribbling, p structure) nal dances
12.	Learning m	ethods: method o	of pract	ical exercise,	met	hod of sport tra	aining
13.	Total availa			30 hours			
14.		of available time		0+0+2/ per v			
15.	Forms of te learning act	0	15.1	lectures / the contact teac e-teaching			0
			15.2	theoretical a practical exe e-exams, pro of independe seminar wor	ercis epai ent k		20 hours
16.	Other forms	s of activities	16.1	Project tasks	5		5 hours

				16.2	2	Individual task	S		5 hours
				16.3	3	Home learning	3		
17.	Metho	od o	fassessment			I		/	
	17.1.		Tests / oral exam	าร					0
	17.2.		Seminars (pape written and/or or		ec	ct - presentation	:	0	
	17.3.		Activity and parti	/	n				0
18.		seme	ent Criteria (points						5 (five) (F)
10.	score			57	_	51 to 60 points			6 (six) (E)
					_	61 to 70 points		7	(seven) (D)
					_	71 to 80 points		8	, , ,
					_	31 to 90 points			9 (nine) (B)
					-	91 to 100 points			10 (ten) (A)
19.						50% presence o	on th	e practical activities	3
20.			of teaching / stu	dv	E	English			
21.	Metho	od o	f monitoring the q	-	Motor tests, observation, self-evaluation			า	
	of tea	chin	g						
22	2 Literature								
		Re	quired literature						
		No	Author	Title			Pu	olisher	Year
		1	Kukolj.M	Antro	n	omotorika	Fac	culty of sport and	2006
	22.1						phy	vsical education, grade	
		2		Dhua	-	a mu of an art	Ch		2002
		2	Wilmore, J. & Costill, D.		exe	ogy of sport ercise, (Third		ampaign: Human etic, Illinois.	2002
		3	Malacko,J.			, of sports	Sp	orts academy,	2000
				trainir	ng	(Osnove og treninga)		grade	
		Ad	ditional literature	00010	51		1		1
		No		Title			Pu	olisher	Year
				THUC					
	22.2	1	Haywood, K., & Getchell, N.		span motor elopment			ampaign: IL. man Kinetics.	2004
		2	Magill, R. & Rouge.B	Moto	r L	earning	E	Broun Publishers, Louisiana	1989
		3	Malina, R., Bouchard, C. & Bar – Or, O	and F	Ph	h, Maturation ysical Activity d Edition).		ampaign: IL. man Kinetics.	Malina, R., Bouchar D

Ann	ex No.3		Program of the Course	e - first cy	ycle studies				
1.	Title of th	ne Course	Physiology						
2.	Code								
3.	Study Pro	ogram	Graduated dental tech	nnician –	prosthodontist				
4.		er of the study	Faculty of Medical Sci		•				
	-	unit or institute,	University Goce Delce	ev					
	Faculty, d	department)	·						
5.	Cycle (fir	st, second and	First cycle						
	third cycl	e)							
6.	Academi	c year /	Second semester	7.	Number of	4			
	semester	r			credits				
8.	Professo	()	Assoc. Dr. Darko Bos	hnakovsk	ki, PhD				
9.	Requiren								
		nt the Course							
10.			m (competencies):						
	Introduction to the normal functioning of the human body and the basic mechanisms								
	of normal functioning of individual organ systems.								
	During the practical training the students their theoretical knowledge to check the								
			s and experiments in the laboratory and at the same you can						
4.4			echanisms in in vitro c	onaltions					
11.		ent of the curricul	um:						
		cal instruction	gy-functional organizat	ion and a	anaral hady call				
	organizat	•	gy-fullctional organizat	ion and g	jeneral body cell				
	•	fluids and electro	lytes blood						
		vascular system	<i>iy</i> (00, 01000						
		us system							
	5. Muscle	-							
		atory system							
		ive system							
	8. Urinar								
	9. Repro	ductive system							
	10. Endo	crine system							
		moregulation and	metabolism						
		ory system							
		instruction							
			ction of blood and the b		sma				
			, mioneural connectior)					
	3. Endocrine glands								
	4. Heart and automatically the heartbeat, factors that affect heart rate and its								
	registratio		vital consoity						
		n respiration and							
		, gastric juice, gal	and giving injections						
			I						
		 B. Urinary system B. Reproductive system - female 							
	10. Reproductive system - male								

	11. Supply of materials and energy and determination of calorific value of nutrients 12. Thermometers, thermoregulation and getting hypothermia								
10		noregu	lation and getting hypothermia	1					
12.	Learning methods:								
	Theoretical instruction								
	5	ures in	large group discussions and	engaging	students.				
	Multimedia teaching.								
	E-learning.		- 4						
	Continuous on-line conta			_					
		with stu	dents and consultation group	S.					
	Practical instruction								
	Practical laboratory exer	cises ir	i small groups.						
	Auditorium exercises.								
13.	Final exercise. Total available time		120						
14.	Distribution of available t	ime	2+1+1						
15.			lectures - theoretical teachin	a	30 hours				
	learning activities			9					
		15.2.	Exercises(laboratory,theoret	15 hours					
			seminars, teamwork	,,					
16.	Other forms of	16.1.	Project tasks		15 hours				
	activities		-,						
		16.2.	Individual tasks		15 hours				
		16.3.	Home learning		45 hours				
17.	Method of assessment								
17.	17.1. Tests				70 pointo				
		, .			70 points				
		/projec	t - presentation: written	10 points					
	and/or oral)								
	17.3. Activity and partic	pation			20 points				
18.	Assessment Criteria	up	50 points		5 (five) (F)				
	(points /score)	51	to 60 points		6 (six) (E)				
		61	to 70 points		7 (seven) (D)				
		71	to 80 points		8 (eight) (C)				
		81	to 90 points		9 (nine) (B)				
		91 ⁻	to 100 points		10 (ten) (A)				
19.	Signature requirement	Sco	ored at least 42 points						
	and passing the final								
	exam								
20.	Language of teaching /	Ma	Macedonian						
	study								
21.	Method of monitoring the	e Ele	ctronic self-evaluation						
	quality of teaching								

22	Literature							
•	Required literature							
	22.1.	No.	Author	Title	Publisher	Year		

	1.	Gayton C.A Medical naklada, Zagreb.	Physiology of man and disease mechanisms.	Medicinska naklada, Zagreb	1995
	2.	Trajkovski V.	Physiology with Functional Anatomy	of Philosophy, Institute of Defectology, Skopje.	2007
	3.	Icko Gorgoski, and Mitko I. Mladenov	Physiological practicum	Faculty of natural sciences and mathematics, Skopje	2006
	Addit	ional literature			
	No.	Author	Title	Publisher	Year
22.2.	1.	Trajkovski V, Rasic O	Practicum on physiology with functional anatomy	Faculty of Philosophy, Institute of Defectology, Skopje.	2008
	2.	Physiology	Linda Costanzo	Saunders	2006
	3.	Human Physiology: The Mechanisms of Body Function - 8th Edition	Arthur Vander and James Sherman and Dorothy Luciano	McGraw-Hill Education	2006

Ann	ex No.3		Program of the Course	e - first c	ycle studies				
1.	Title of th	ne Course	Biochemistry						
2.	Code		,						
3.	Study Pro	ogram	Graduated dental tech	nnician –	prosthodontist				
4.		er of the study	Faculty of Medical Sci		1				
	0	unit or institute,	University Goce Delce						
		department)							
5.		st, second and	First cycle						
	third cycl								
6.	Academi	c year /	Second semester	7.	Number of	4			
	semester	•			credits				
8.	Professo	r (s)	Assistant Professor T	atjana Ru	uskovska, PhD				
9.	Requiren	nents for	No requirements						
	enrollme	nt the Course							
10.	During the course the students will learn about the chemical composition of the human body and the basic biochemical reactions within it. They will learn about the diagnostic significance								
	of some of the most common clinical-biochemistry parameters.								
	•		on, students will learn the	•	•				
		-	and how to perform some of the qualitative and quantitative						
		cal analyses.							
11.		ent of the curricu	lum:						
	Theoretic:								
			nistry. Phases of the work	process	in a clinical-biocher	nistry			
	labora		liuma notopoliuma oblorido	a hiaarha	notoo Asid boos b				
			lium, potassium, chloride Peptides. Proteins. Basic						
	Urea.					otenis.			
		ns 2: Proteins in bl	ood plasma. Hemoglobin	: role. che	emical structure and	b			
		olism. Bilirubin.		,		_			
			of the enzymes. Nomencla	ature and	classification. Activ	e center.			
		cs of the enzyme r							
			ne clinical enzymology. Di		significance of som	e enzymes.			
			classification of the lipids		a in the blood place				
			etabolism of the lipids. Li saccharides. Oligosaccha			lia.			
			s of the metabolism of the						
		sylated haemoglob							
	11. Nuclei								
		ins: Properties and	l classification.						
	Practical t								
	 Basic principles of protection during the work in biochemistry laboratory. Collecting of venous and capillary blood sample. Prevention of errors in the pre-analytic phase. 								
			tometry technique.						
			and denaturation of the p	oroteins.					
			nd quantitative determina		e total proteins by th	ne biuret			
	reactio	on. Albumins.							
	6. Enzyn	nes: Influence of th	ne activators and inhibitor	s on the a	activity of the amyla	ze in the			

· · · · · · · · · · · · · · · · · · ·								
		ne lipids	Determination of cholesterol accord	ding to the method of				
	Salkowski. 8. Lipids 2: Determination guantitative method).	n of the o	concentration of the total cholestero	l in serum (enzyme				
	9. Lipids 3: Determination of the concentration of the triacylglycerols in serum (enzyme							
	quantitative method). 10. Carbohydrates 1: Fehling reaction. Determination of the concentration of glucose in							
	2		on of the concentration of the glucos	e by the method of				
	hexokinase. 12. Carbohydrates 3: Gluc	ose me	er. Determinating of the concentrati	on of glucose and				
12.	ketone bodies in urine.							
12.	Theoretical tuition							
	Interactive teaching: Lectures in large groups, and discussion and involvement of the students.							
	Multimedia teaching.							
	E-teaching.							
	Consultation in groups and	d individ	ually.					
	Practical tuition							
	Laboratory experiments in small groups.							
	Final experiment.							
13.	Total available time	time	120 2+1+1					
14. 15.	Distribution of available Forms of teaching /	15.1.	lectures - theoretical teaching	30 hours				
13.	learning activities		, , , , , , , , , , , , , , , , , , ,					
		15.2.	Exercises(laboratory, theoretical), 15 h seminars, teamwork					
16.	Other forms of activities	16.1.	Project tasks	15 hours				
		16.2.	Individual tasks	15 hours				
		16.3.	Home learning	45 hours				
17.		hnique	, lectures, homework, papers, dis s, individual tasks, simulation extr /. etc.					
	17.1. Tests			70 points				
	17.2. Seminars (pape and/or oral)	r/projec	t - presentation: written	10 points				
	17.3. Activity and parti	cipation		20 points				
18.	Assessment Criteria	up	50 points	5 (five) (F)				
	(points /score)		to 60 points	6 (six) (E)				
			to 70 points	7 (seven) (D)				
			to 80 points	8 (eight) (C)				
	81 to 90 points 9 (nine) (

		91 to 100 points	10 (ten) (A)
19.	Signature requirement and passing the final exam	Presence of instruction and score from all pre-exam activities.	ed at least 42 points
20.	Language of teaching / study	Macedonian	
21.	Method of monitoring the quality of teaching	Self-evaluation	

Litera	Literature							
	Requ	Required literature						
	No.	Author	Title	Publisher	Year			
	1.	Tatjana Ruskovska	Basics of Biochemistry	UGD Stip,	2012			
			- lectures	Faculty of				
				Medical				
				Sciences				
	2.	Tatjana Ruskovska	Basics of Biochemistry	UGD Stip,	2012			
			- practicum	Faculty of				
				Medical				
				Sciences				
	3.	S. Dzekova Stojkova et	Biochemistry	Medical	1999			
		al.		Faculty,				
				UKIM, Skopje				
	4.	Dave Nelson and Nike	Lehninger, Principles of	"Mikena"				
		Сох	Biochemistry, 5 th	Bitola,				
			edition	Translated				
				book –				
22.1.				Project of the				
22.1.				Government				
				- Republic of				
				Macedonia				
	5.	Кетрин Џ. Денистон,	General, organic and	Translated				
		Џозеф Џ. Топинг,	biochemistry	book –				
		Роберт Л. Карет		Project of the				
				Government				
				- Republic of				
				Macedonia				
	6.	Маргарет, М.	Fluids, electrolytes and	Translated				
		Гингрич, Пени Овербај	acid-base balance	book –				
		и Мери Џин Ричи		Project of the				
				Government				
				- Republic of				
				Macedonia				
	7.	Мајкл Л. Бишоп,	Clinical chemistry	Prosvetno	2009			
		Едвард П. Фоди, Лари	(principles, procedures	delo, Skopje				
		Е. Шоеф	and correlations) - Fifth	Translated				

	8.	Александар К. Брауни, Џон К. Керноан	edition Medical biochemistry	book – Project of the Government - Republic of Macedonia Translated book –	
	Additi	onal literature		Project of the Government - Republic of Macedonia	
	No.	Author	Title	Publisher	Year
22.2.	1.	J. Koolman and K.H. Roehm	Color Atlas of Biochemistry, Second edition, revised and enlarged	Thieme, Stuttgart – New York	2005
	2.	Peter Karlson	BIOKEMIJA, za studente kemije i medicine	Školska knjiga, Zagreb	1993

Ann	ex No.3		Prog	ram of the Course	- first cy	cle studies/			
1.	Title of th	ne Course	Micr	obiology with parasi	itology				
2.	Code								
3.	Study Pro	ogram	Grad	Graduated dental technician – prosthodontist					
4.	Organize	of the study	Facu	ulty of Medical Scier	nces				
	program(unit or institute	, Univ	ersity Goce Delcev					
	Faculty, o	department)							
5.	Cycle (fir	st, second and	First	cycle					
	third cycl					1			
6.	Academi	-	Seco	ond semester	7.	Number of		6	
	semester					credits			
8.	Professo		Asso	oc. Dr. Vaso Taleski	, PhD				
9.	Requiren								
	enrollment the Course								
10.	-	es of the curricu	•	• •				<i>.</i>	
				e is students to lear		acquired sol	id theor	etical	
4.4	and practical knowledge in the field of the microbiology. The content of the curriculum:								
11.				linte ture menter e e					
				d into two parts: a g					
				ntroduced to the his					
	as a science , with important breakthroughs , the importance of microorganisms , bacteria classification , construction , distribution, chemical composition , growth and								
				etics, pathogenicity					
			-	sterilization, disinfe					
		ortant antimicro			50011,1			Jiann	
				e introduced to the r	nost im	portant bac	teria. vi	ruses.	
				ced to methods of c					
	-	-		ication of the most r	-	-			
	diagnosti	ics.							
	•	cal training inclu	ides far	niliarization on:					
		•		poratory, microscop	es and	microscopio	c studie	s of	
	microorg	anisms, samplii	ng, pac	kaging and dispatch	n of mat	terial for mic	crobiolog	gical	
	examinat	tion; Staining of	microo	organisms (Gram, G	iemsa,	Ziehl-Neels	en); foo	dstuffs	
				croorganisms, bioch					
				outlaw therapeutic		•			
			•	munological method		0,,,		•	
			•	diagnosis of respira	•				
				bacterial enteropath	•		•	stic	
		· ·	patitis, a	a diagnosis of HIV i	nfectior	n), mycologi	cal and		
		diseases.				<i></i>			
12.			exposu	re method and met	nod of	oractical wo	rk		
13.		ailable time	4	180					
14.		on of available					00 k		
15.		teaching /	/ 15.1. lectures - theoretical teaching				30 hours		
	learning	activities	15.0			vetice!		15 hours	
			15.2.	Exercises(laborato		netical),	⁴	45 hours	
	seminars, teamwork								

16.	Other forms of activities	16.1.	Project tasks		15 hours	
	activities	16.2.	Individual tasks		15 hours	
		16.3.	Home learning		75 hours	
17.	Method of assessment	1				
	17.1. Tests				70 points	
	17.2. Seminars (pape and/or oral)	t - presentation: written		10 points		
	17.3. Activity and part		20 points			
18.	Assessment Criteria	up	50 points	5 (five) (F)		
	(points /score)	51	51 to 60 points		6 (six) (E)	
		61	to 70 points	7 (seven) (D)		
		71	to 80 points	8 (eight) (C)		
		81 ⁻	to 90 points	9 (nine) (B)		
		91 ⁻	to 100 points		10 (ten) (A)	
19.	Signature requirement and passing the final exam		Presence of instruction and scored at least 42 points from all pre-exam activities.			
20.	Language of teaching / study	Ma	Macedonian			
21.	Method of monitoring th quality of teaching	le Sel	elf-evaluation			

22	Literat	Literature								
		Requ	ired literature							
		No.	Author	Title	Publisher	Year				
	22.1.	1.	D. Greenwood. and co.	Medical Microbiology	Project of the Governme nt of the R.Macedo	17th edition, 2006 translation of books 2011				
		2.	Panovski Nichola and co., Guest author: Vaso Taleski	Medical Microbiology- general part	nia Departme nt of Microbiolo gy and parasitolo gy, FM, Skopje	2011				
		3.	Panovski Nichola and co., Guest author: Vaso Taleski	Medical Microbiology- special part	Departme nt of Microbiolo gy and parasitolo gy, FM, Skopje	2011				

	22.2.	Addit	Additional literature								
		No.	Author	Title	Publisher	Year					
		1.	Vaso Taleski	Microbiology	Authorized lectures	2008					
		2.	Milena Petrovska and co.	"Practicum in Medical Microbiology and Parasitology "	Department of Microbiolog y and Parasitolog y, FM, Skopje fifth edition	2010					

Ann	ex No.3		Prog	am of the Cours	e - first c	cycle studies			
1.	Title of th	ne Course	Care	of sick					
2.	Code								
3.	Study Pro	ogram	Grac	luated dental tec	hnician –	 prosthodontist 			
4.	Organize	er of the study	Facu	Ity of Medical So	ciences	•			
	program((unit or institute,	Univ	ersity Goce Delo	ev				
	Faculty, o	department)		•					
5.		st, second and	First	First cycle					
	third cycl	e)		-					
6.	Academi	c year /	Seco	ond semester	7.	Number of	7		
	semester	r				credits			
8.	Professo	r (s)	Asso	ciate Prof. Dr. G	ordana F	anova, PhD			
9.	Requiren	nents for	Verif	ied first semeste	r				
	enrollme	nt the Course							
10.	Objectives of the curriculum (competencies): The teaching unit contributes primarily to the development of the following general and specific competences: Understanding the role of the nurse not only as a duty but carrying mandatory input of love and compassion in dealing with patients, procedures for admission to the sick								
	of love a	nd compassion ir	n deali	ng with patients,	procedu	res for admission	to the sick		
	bed hosp	oital setting and c	hangii	ng of bed by bed	cover ma	ade, perform phy	sical		
	measure	ments, procedure	es for	emergency knov	ledge of	different types of	diets		
	applied to various diseases, measuring temperature and distinguish temperature								
	curves, measurement of pulse and blood pressure, to prepare the patient for								
						atheterization, giv			
						of infection and n			
						ic shock, collapse			
						g terminally ill and	1		
		ing signs of death		determination of	death.				
11.		ent of the curricu	-						
		ion to the conten		-	e subject	of sick care;			
	•	tion of hospitals		•	a a d a .				
		room, hospital be			nade;				
		n of sick (new sid		• • / ·	ooro for n	nantal maad of th	o potiont:		
						nental mood of th	e patient,		
		tion of sick, vital s ic tests on sick;	SIGUE						
	•	of defecation, urir	ation	and vomiting in a	ore.				
		and giving medic		0	are,				
	0	g drugs into the b		•					
		on and protection							
		 technical operat 			e assists	the physician.			
						ute respiratory in	sufficiency		
	(ARI);			,,,,,,,					
		surgical patients;							
		elderly, chronicall	y ill an	d before death:					
12.					es and tu	torials, practical e	exercises.		
13.		ailable time	ctive teaching in lectures and tutorials, practical exercises.						

15.		s of teaching / ng activities	15.1.	lectures - theoretical teachin	g	30 hours	
			15.2.	Exercises(laboratory,theoret seminars, teamwork	ical),	45 hours	
16.		forms of	16.1.	Project tasks		15 hours	
	activit	activities		Individual tasks		15 hours	
			16.3.	Home learning		75 hours	
17.	Metho	d of assessment					
	17.1.	Tests				70 points	
	17.2. Seminars (paper/p and/or oral)			t - presentation: written		10 points	
	17.3.	Activity and partic	cipation	I	20 points		
18.	Asses	sment Criteria	up	50 points	5 (five) (F)		
	(point	s /score)		to 60 points	6 (six) (E)		
		,	-	to 70 points	7 (seven) (D)		
				to 80 points	8 (eight) (C)		
			81	to 90 points		9 (nine) (B)	
			91	to 100 points		10 (ten) (A)	
19.	Signature requirement and passing the final exam			Presence of instruction and scored at least 42 points from all pre-exam activities.			
20.	Langu study	age of teaching /	Ma	Macedonian			
21.	Method of monitoring the quality of teaching			elf evaluation			

22	Literat	ure						
•		Requ	ired literature					
		No.	Author	Title	Publisher	Year		
	22.1.	1.	G.Panova	Medical ethics deontology	UGD	2010		
		2.	Likar Dusan	General and special care of sick	Tabernakul Skopje	2000		
		3.	Barham. P.A.	Care of sick and medical equipment	Tabernakul Skopje	2010		
		Additional literature						
		No.	Author	Title	Publisher	Year		
	22.2.	1.	Fuchkar G.	Process of health care	Zagreb Medical School	2007		
		2.	Krstic A.	New contents of nursing work	Medical Faculty, Belgrade	2005		

3.	Preventive health care	Tabernakul Skopje	2011

Ann	ex No.3	Pro	gram o	f the Course - first cycle	e studies				
				-					
1.		ne Course	Ec	ology and Hygiene					
2.	Code								
3.	Study Pro			Graduated dental technician – prosthodontist					
4.	-	r of the study progra		niversity "Goce Delcev" -	•				
		nstitute, Faculty,	Fa	Faculty of medical science					
F	departme			First cycle					
5.	cycle (m cycle)	st, second and third		st cycle					
6.		c year / semester	Se	econd 7. Nur	nber of	2			
0.	noaucini	e year / serifester		mester cred		2			
8.	Professo	r (s)		sistant professor Neven		PhD			
9.		nents for enrollment		rolled second semester					
0.	the Cours								
10.		s of the curriculum (c	ompete	encies):					
				students to gain basic l	knowledge fi	rom the area			
				the environment and hy					
11.	Content of	of the course program	n:						
	Introduct	ion to ecology							
	Air pollut								
	Water po								
	Waste materials								
		I components of the	environ	ment					
		and Microclimate							
	Radiation								
		ion to hygiene in public and comm	unal fac	silitioe					
		n facilities hygiene		annes					
		cilities hygiene							
	Personal								
12.		methods:							
	0		researc	h and practical activities	S				
13.		ailable time		60	-				
14.	Distributi	on of available time		2+0+1					
15.	Forms of	teaching / learning	15.1.	lectures / theoretical -		30 hours			
	activities			contact teaching,					
				e-teaching					
			15.2.	theoretical and practical	al	0hours			
				exercises,					
				e-exams, preparation of	of				
				independent seminar					
40	D		10.1	work					
16.	Други фо	•	16.1.	Project tasks		15 hours			
	активнос	N IC	16.2.	Individual tasks		5 hours			
			16.3.	Home learning		10 hours			

17.	Metho	d of ass	sessment						
	17.1.	Tests /	oral exams			70) points		
	17.2.	Semina and/or	ars (paper / project - oral)	pre	sentation: written	10 points			
	17.3.		and participation			2	0 points		
18.	Asses	sment C	Criteria (points /		up 50 points	5 (five) (F)		
	score)				51 to 60 points		(six) (E)		
					61 to 70 points		even)(D)		
					71 to 80 points		ight) (C)		
					81 to 90 points	,	nine)(B)		
	-				91 to 100 points		(ten) (A)		
19.		Signature requirement and passing the final exam			esence of instruction a nts from all pre-exam		t 42		
20.	Langua	uage of teaching / study			Macedonian				
21.		hod of monitoring the quality			f-evaluation				
	of teac								
22.	Literat	ure							
		Requ	ired literature						
		No.	Author		Title	Publisher	Year		
		1.	Michail Kocubovski		Hygiene whit	University of	2011		
	22.1.				medical ecology	Goce Delcev - Stip			
		2.	R. Čosic		Udzbenik Higiene	•	1983		
		3.	Milto Mulev		Protection of the		1997		
					environment				
		Additi	ional literature						
		No.	Author		Title	Publisher	Year		
		1.	Kocijancic Radojka		Higiena	Zavod za	2002		
	22.2.					udzbenike I			
						nastavna			
						sredstva,			
	1					Beograd			

Anne	Annex No.3 Program of the Course - first cycle studies							
			-					
1.		e Course	Epidemiology					
2.	Code							
3.	Study Pro		Graduated dental technician – prosthodontist					
4.	•	r of the study	Faculty of Medical Sciences					
		unit or institute,	University Goce Delce	V				
_		department)						
5.	•	st, second and	First cycle					
•	third cycl	1		-				
6.	Academi		Second semester	7.	Number of	4		
0	semester		Draf Dr. Oansi Ohuma		credits			
8.	Professo		Prof. Dr. Gorgi Shuma	nov, Phi)			
9.	Requiren		Verified first semester					
40	enrollment the Course							
10.			Im (competencies):	ا بالما بال		- 1-		
			lge of epidemiology and					
			nd combat diseases and					
	-	-	ledge of the epidemiolo	-				
			nsmissible infectious dis unicable (cardiovascula					
				i uisease	e, cancer, diabete	÷5,		
11.	traumatism) disease. The content of the curriculum:							
• • •		cal instruction	ium.					
		nic process						
		niological method	19					
		outbreaks.						
		of epidemic proc	cess					
			ction and communicable	disease	es and wavs of tra	ansmitting		
		s diseases.			,	g		
		ntion of disease a	and ill-health.					
			e in military and emerge	ency con	ditions.			
			es of intestinal infectious					
	9. Epider	niological charac	teristics of infectious rea	spiratory	diseases.			
			cteristics of infectious d	isease ti	ransmission.			
		emiological featur						
	-	emiological chara	cteristics of non-commu	unicable	diseases and dar	mage		
	health.							
		teaching units:						
		•	ds and design studies					
			formation, epidemiolog					
	•	•	is the epidemic process	, epidem	nological models	of disease		
			toriotico crad average	of all	tom, duin come			
	•	•	teristics and examples of	or ailmer	itary, drip-aeroge	ni, contact		
		smissible epidem		olootier				
	5. Immur indicatior		ory vaccination and vac	cination	on epidemiologic	al		
			nal exposure					
	6. Prevention of occupational exposure							

	7. Epidemiological features of intestinal infectious diseases8. Epidemiological characteristics of infectious respiratory diseases					
	9. Epidemiological featur					
			transmissible infectious disea	ises		
			chronic non-communicable di			
			malignant neoplasm, diabetes		ons.	
12.	Learning methods: Lectu	ures, ex	ercises, methods of group dis	scussions	s, individual	
	assignments, seminar pa	apers, p	presentation of a scientific wo	rk		
13.	Total available time 120					
14.	Distribution of available	time	2+1+1			
15.	Forms of teaching / 15.1. learning activities		lectures - theoretical teachin	g	30 hours	
		15.2.	Exercises(laboratory,theoret	tical),	15 hours	
			seminars, teamwork			
16.	Other forms of 1 activities		Project tasks		15 hours	
	16.2.		Individual tasks		15 hours	
		16.3.	Home learning 45		45 hours	
17.	Method of assessment		l			
	17.1. Tests		70 poi			
	17.2. Seminars (paper	/project	t - presentation: written		10 points	
	and/or oral)	, p. 0,00			ro pointo	
	17.3. Activity and partic	cipation			20 points	
18.	Assessment Criteria (po	•	up 50 points		5 (five) (F)	
10.	/score)	into	51 to 60 points		6 (six) (E)	
	/30010/		61 to 70 points		7 (seven) (D)	
			71 to 80 points		8 (eight) (C)	
			81 to 90 points		9 (nine) (B)	
			91 to 100 points		10 (ten) (A)	
19.	Signature requirement a	nd	Presence of instruction and	scored at	$\langle \rangle \rangle \langle \rangle \rangle \langle \rangle \rangle \rangle \langle \rangle \langle \rangle \langle \rangle \rangle \langle \rangle \langle \rangle \langle \rangle \rangle \langle \rangle \langle \rangle \langle \rangle \langle \rangle \rangle \langle $	
	passing the final exam		from all pre-exam activities.			
20.	Language of teaching / s	studv	Macedonian			
21.	Method of monitoring the		Self evaluation			
21.	quality of teaching					

22	Literat	Literature									
•		Required literature									
		No.	Author	Title	Publisher	Year					
	22.1.	1.	Gorgi Shumanov, Blaze Nikolovski	Epidemiology and Public Health	"Progress", Tetovo	2009					
		2.	Theodor H.Tulchinski Elena A.Varavikova	New Public Health	Student word "Skopje	2003					
		3.	Lence Mircevska,	Health education	Bitola	2006					

		Doncho Donev, Ilija Gligorov			
	Addit	ional literature			
22.2.	No.	Author	Title	Publisher	Year
	1.	Blaze Nikolovski	Epidemiology	"Progress", Tetovo	2003

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mputers
Murau law
tems,
network
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d team
utean
30 hours
15 hours
15 hours
_

•	activit	ies	16.2	Individual tasks		10 hours	
		-	16.3	Home learning		50 hours	
17	Metho	od of assessment					
	17.1	Tests / oral exams				70 points	
	17.2	Seminars (paper/project - and/or oral)	prese	ntation: written		10 points	
	17.3	Activity and participation				20 points	
18	Asses	ssment Criteria (points /score	e)	Up 50 points		5 (five) (F)	
				51 to 60 points		6 (six) (E)	
				61 to 70 points		7 (seven) (D)	
				71 to 80 points		8 (eight) (C)	
				81 to 90 points		9 (nine) (B)	
				91 to 100 points		10 (ten) (A)	
19	•	ture requirement and passir		60% of term activities or minimum 42 points			
	the fir	nal exam		rom 2 midterm exams,			
				ttending to lectures and	d disc	sussions	
20	Langu	uage of teaching / study	Ν	lacedonian			
21	Metho teach	od of monitoring the quality c ing	of S	Self-evaluation			

22.	Literatu	ure							
		Requi	ired literature						
	22.1.	No.	Author	Title	Publisher	Year			
		1.	Zoran Zdravev etc	Informatics - script	UGD	2012			
		2.	Zoran Zdravev etc Practicum in Informatics UGD 2012	Practicum in Informatics	UGD	2012			
		3.							
		Additional literature							
		No.	Author	Title	Publisher	Year			
	22.2.	1.	Glenn Brookshear	"Computer Science – an overview"	Pearson Internation al edition	2009			
		2.	Carl Reynolds and Paul Tymann	"Principles of Computer Science"	McGraw Hill	2008			
		3.	James O'Brien	"Introduction to Information Systems	McGraw Hill	2008			

3th semester

	semester lex No.3 Program of the Co	ourse -	first/second	/third	d cvcle	studies	
1.	Title of the Course		dical ethics				
2.	Code						
3.	Study Program	Gra	duated denta	l tech	nnician	- prostho	dontist
4.	Organizer of the study	Uni	versity Goce	Delce	ev	•	
	program (unit or institute,	Fac	Faculty of medical sciences				
	Faculty, department)						
5.	Cycle (first, second and	Firs	st cycle				
	third cycle)						
6.	Academic year / semester	2 nd	year / 3 th	7.	Numb	er of	4
		sen	nester		credite	5	
8.	Professor (s)	Ass	.Prof. Gordar	na Pa	anova		
9.	Requirements for	Enr	olled 2 nd year	of st	tudy		
	enrollment the Course						
10.	Purposes of the curriculum		-				
	Adoption of the basic ethica	al and s	ociological ki	nowle	edge of	medicin	e and work in
	medical field, training of future professional nurses / technicians for observation,						
	treatment and care of the patient as a complex bio-psychosocial unit						
11.	Content of the course prog	ram:					
	Theoretical teaching unit						
	Conceptual frame of medic						
	practice. Clinical Medicine a	nd ethio	cal problems	of cli	inical w	ork. Histo	ory of medical
	ethics: Hippocratic Oath ar		-				
	Hippocratic Oath and ethic				-		•
	medical ethics, deontology, r		•			0	
	ethical and legal responsib	-		n, the	e ethics	of med	ical research,
	medical law: basic issues and	d aspec	ts.				
10							
12.	Learning methods:						
				4.01-	• ! • • • • •	و بالمحالية المحالية الم	l to alva
	Lecture, discussion, debate,	•	•		•	individua	i tasks,
	simulation of outside teaching	g cnara	cter activities,	, seit-	-study.		
13.	Total available time		4ECTSx30	hour	s=120h	ours	
14.	Distribution of available tin	ne	30+15+15-	+30+3	30=120	hours	
15.	Forms of teaching /	15.1.	lectures / the	oreti	cal -		
	J		contact teaching,				30classes
	learning activities		contact teacr	ning,			30classes
	learning activities		e-teaching	ning,			30classes
	learning activities	15.2.		•	actical		30classes 15classes
	learning activities	15.2.	e-teaching	•	actical		

			1	independent semina	or.			
				work				
16.		і форми на	16.1	Project tasks		15hours		
	актив	ности	16.2	Individual tasks		30hours		
			16.3	. Home learning		30hours		
17.	Metho	od of assessment						
	17.1.	Tests / oral exams					70 points	
	17.2.	Seminars (paper / p	orojec	t - presentation:			10 points	
		written and/or oral)	and/or oral)					
	17.3.	Activity and particip	oation				20 points	
18.	Asses	ssment Criteria (poin	ts /	up 50 points	5	(five)	(F)	
	score)		51 to 60 points	6	(six)	(E)	
				61 to 70 points	7	(seven)	(D)	
				71 to 80 points	8	(eight)	(C)	
				81 to 90 points	9	(nine)	(B)	
				91 to 100 points	10	(ten)	(A)	
19.	Signa	ture requirement and	k	Regularity and activity	of the	eoretical and	d practical	
	passi	ng the final exam		classes, independent	projec	ct assignmer	nt, passed	
				the practical exam				
20.	Langu	uage of teaching / study Macedonian						
21.	Metho	od of monitoring the		Self-evaluation				
	qualit	y of teaching						

22.	Literat	ure									
		Requ	Required literature								
		No.	Author	Title	Publisher	Year					
	22.1.	1.	Doc.dr.G.Panova Medical Ethics deontology	Medical Ethics deontology	UGD-Stip	2010					
		2.	K.R.Seturman	Communication skills in clinical practice	Tabernakul	2010					
		3.	Pop-Jordanova Nada	Medical Ethics	Faculty of Medicine, Skopje	2006					
		Addit	tional literature								
		No.	Author	Title	Publisher	Year					
	22.2.	1. Marcia Lewis Carroll		Tamparo Medical Law, Ethics and Bioethics Academic Press,	Tabernakul- Skopje	2010					
		2.	Marich John Medical	Ethics,	Faculty of Medicine,	2005					

			Belgrade,	
3.	Otashevich C.	Medical ethics and	Faculty of	2005
	Pejakovich S.	deontology,	Medicine, Nis	

Ann	ex No.3	Program of t	ne Course - first/s	seco	ond/third cycle s	tudies			
1.	Title of t	he Course	Anatomy of jaws and dental morphology						
2.	Code		3MF154012						
3.	Study P	rogram	Graduated denta		hnician – prostho	dontist –			
4.	Organiz	er of the study	University Goce I	Delc	ev				
	program	n (unit or institute,	Faculty of medica	al sc	iences				
	program	i (unit of institute,	Department of or	al a	nd maxillofacial	surgery and			
	Faculty,	department)	dental implantolo	gy					
5.	Cycle (fi	rst, second and	First cycle						
	third cyo	cle)							
6.	Academ	ic year / semester	2 nd year / 3 th	7.	Number of	6			
			semester		credits				
8.	Profess	or (s)	Prof. Dr. Erol Sat	bano	V				
9.		ments for ent the Course	Enrolled 2nd yea	r of s	study				
10.		es of the curriculum (L competencies): T	o lea	arn the basic an	atomical and			
	morpho	logical characteristic	s of the parts of tl	he o	ro-facial system				
11.	Content	of the course progra	m:						
	Theoret	ical units							
	1.Teeth	and dental arch, milk	and permanent d	enti	tion, anatomical	l			
	characte	eristics of the teeth, I	Dental notation sy	/stei	ms				
	2. Teeth	histology. Periodont	al tissues and the	eir fu	inctions.				
	3.Interca	anine teeth – upper a	nd lower incisors						

	4. Intercanine teeth – upper and lo	ower canines
	5. Transcanine teeth –upper and I	ower premolars
	6.Transcanine teeth – upper mola	rs
	7. Trancanine teeth –lower molars	s. Selbah phenomena.
	8.Anatomy of upper jaw (maxilla)	and palatinal bone(os palatimnum)
	9.Anatomy of lower jaw (mandibu	la) and TMZ temporo-mandibular joint
	10. Anatomy and topography of the	ne orofacial muscles.
	11. Occlusions and articulation of	the teeth.
	12. Orientation dots, lines, plates	and face dividing in thirds.
	Practical units.	
	1. Teeth and dental arch, milk	and permanent dentition, anatomical
	characteristics of the teeth,	Dental notation systems
	2. Drawing and molding upper	r central incisor in gypsum.
	3. Drawing and molding upper	r lateral incisor in gypsum
	4. Drawing and molding lower	incisors in gypsum
	5. Drawing and molding upper	r and lower canines in gypsum
	6. Drawing and molding uppe	r premolars in gypsum
	7. Drawing and molding lower	premolars in gypsum
	8. Drawing and molding upper	r first molar in gypsum
	9. Drawing and molding lower	first molar in gypsum
	10. Molding upper and lower in	cisors in wax
	11. Molding canines and premo	plars in wax
	12. Molding molars in wax	
12.	Learning methods:	
	Lecture, discussion, debate, cooperation	ative learning techniques, individual tasks,
	simulation of outside teaching chara	cter activities, self-study.
13.	Total available time	6ECTS X 30= 180

14.	Distrib	ution o	of available ti	me		30+60+15+15+30	=180			
15.	Forms learnin		-	15.1	cc	ctures / theoretic ontact teaching, teaching	al -		30	classes
				15.2	pr e- of	eoretical and actical exercises exams, preparati independent eminar work	-	60classes		
16.	Other	forms	of activities	16.1	. Pr	oject tasks			15 c	lasses
				16.2	. In	dividual tasks			15 c	lasses
				16.3	5. Ho	ome learning			300	lasses
17.	Metho	d of as	sessment							
	17.1.	Tests /	oral exams						70	points
			ars (paper / p and/or oral)	orojeo	ct - pr	resentation:			10	points
	17.3.	Activit	y and particip	oatior	า				20	points
18.	Assessment Criteria (points /					up 50 points		(five) (F)
	score)			Ī	51 to 60 points 6		(six)	(E)	
				Ī	61 to 70 points			(seven) (l		D)
				Ī		71 to 80 points	8	(eight)	(0	C)
						81 to 90 points	9	(nine)	(E	3)
					ę	91 to 100 points	10	(ten)	(/	A)
19.	Signat	ure rec	uirement and	k						
	passin	g the f	inal exam							
20.	Langu	age of	teaching / stu	ıdy	Mace	edonian				
21.	Methoo quality		onitoring the		Continuous: reflection and evaluation of students. In phases: self-evaluation internal and external					
	quanty	or tea	oning		evaluation					
22.	Literat	ure								
		Requ	ired literature	•						
		No.	Auth	or		Title		Publish	er	Year
		1.	Sabanov E			Authorized lectur	res	E-learning	3	
	22.1.			E.	Anatomija i morfologija na vil i zabite		licite	Stomatolo		2001

3.

	Addit	ional literature			
	No.	Author	Title	Publisher	Year
	1.	Jarned,FullerA/Gerald E.Denehy/Thomas M. Schulein	Concise Dental Anatomy and Morphology	University of lowa	2001
22.2.	2.	Stanley J. Nelson DDS 9	Wheeler's Dental Anatomy, Physiology and Occlusion(9 th edition)	Elsevier Inc.	2010
	3.				

Anr	nex No.3 Program o	of the Course - firs	st/seco	ond/third cycle	studies			
1.	Title of the Course	Introduction ir	Introduction in dental prosthodontics					
2.	Code	3MF150412						
3.	Study Program	Graduated den	tal tec	hnician - prosth	odontist			
4.	Organizer of the study	University Gode	e Delc	ev				
	program (unit or institute,	Faculty of medi	ical sc	iences				
		Department of	Department of prostohodontics and orthopaedics of					
	Faculty, department)	teeth and jaws	teeth and jaws					
5.	Cycle (first, second and	First cycle	First cycle					
	third cycle)							
6.	Academic year / semester	2 nd year / 3 th	7.	Number of	5			
		semester		credits				
8.	Professor (s)	Prof. Dr. Erol S	abanc	V				
9.	Requirements for enrollment the Course	Enrolled 2 year	of stu	dy				
10.								
	Basic principles, problems,	concepts in denta	oncepts in dental prosthodontics, functional anatomy,					
	gnathology, phases of fabrication.							
11.	Content of the course prog	gram:						
	Theoretical units							

 Functional anatomy of orofacial system. Oral cavity. Muscles of masticatory system. TMJ – anatomy and basic movements. Periodontal tissues, basic anatomo morphological characteristics. Orientation lines and planes. Basic functions of masticatory system. Basic of occlusion and articulation. Biomechanical forces. Changes in orofacial system due to partial and total loss of teeth. Basic prosthodontics constructions. Practical units Equipment and instruments. Functional anatomy of orofacial system. TMJ – anatomy and basic movements. Teeth and periodontal tissues Orientation lines and planes. Mandibular movements. Orientation lines and planes. Mandibular movements. Coludators, articulators, facebows, basic mandibular positions. Basic of occlusion and articulation. Changes and complications of orofacial system. Changes and complications in orofacial system. 	1.	Introduction and historically development of prosthodontics.
 Muscles of masticatory system. TMJ – anatomy and basic movements. Periodontal tissues, basic anatomo morphological characteristics. Orientation lines and planes. Basic functions of masticatory system. Basic of occlusion and articulation. Biomechanical forces. Changes in orofacial system due to partial and total loss of teeth. Basic prosthodontics constructions. Practical units Equipment and instruments. Functional anatomy of orofacial system. TMJ – anatomy and basic movements. Teeth and periodontal tissues Orientation lines and planes. Mandibular movements. Ocludators, articulators, facebows, basic mandibular positions. Basic of occlusion and articulation. Changes and complications of orofacial system due to partial and total loss of teeth. 	2.	Functional anatomy of orofacial system.
 TMJ – anatomy and basic movements. Periodontal tissues, basic anatomo morphological characteristics. Orientation lines and planes. Basic functions of masticatory system. Basic of occlusion and articulation. Biomechanical forces. Changes in orofacial system due to partial and total loss of teeth. Basic prosthodontics constructions. Practical units Equipment and instruments. Functional anatomy of orofacial system. TMJ – anatomy and basic movements. Teeth and periodontal tissues Orientation lines and planes. Mandibular movements. Sasic of occlusion and articulation. Basic of occlusion and articulation. Chudators, articulators, facebows, basic mandibular positions. Basic of occlusion and articulation. Basic and biological functions of orofacial system due to partial and total loss of teeth. Changes and complications in orofacial system. Changes and complication dentures, classifications, indications, different types 	3.	Oral cavity.
 Periodontal tissues, basic anatomo morphological characteristics. Orientation lines and planes. Basic functions of masticatory system. Basic of occlusion and articulation. Biomechanical forces. Changes in orofacial system due to partial and total loss of teeth. Basic prosthodontics constructions. Practical units Equipment and instruments. Functional anatomy of orofacial system. TMJ – anatomy and basic movements. Teeth and periodontal tissues Orientation lines and planes. Mandibular movements. Sasic of occlusion and articulation. Basic of occlusion and articulation. Cludators, articulators, facebows, basic mandibular positions. Basic and biological functions of orofacial system due to partial and total loss of teeth. Changes and complications in orofacial system due to partial and total loss of teeth. Teeth. 	4.	Muscles of masticatory system.
 7. Orientation lines and planes. 8. Basic functions of masticatory system. 9. Basic of occlusion and articulation. 10. Biomechanical forces. 11. Changes in orofacial system due to partial and total loss of teeth. 12. Basic prosthodontics constructions. Practical units 1. Equipment and instruments. 2. Functional anatomy of orofacial system. 3. TMJ – anatomy and basic movements. 4. Teeth and periodontal tissues 5. Orientation lines and planes. 6. Mandibular movements. 7. Ocludators, articulators, facebows, basic mandibular positions. 8. Basic of occlusion and articulation. 9. Basic and biological functions of orofacial system. 10. Changes and complications in orofacial system due to partial and total loss of teeth. 11. Technology of fabrication dentures, classifications, indications, different types 	5.	TMJ – anatomy and basic movements.
 Basic functions of masticatory system. Basic of occlusion and articulation. Biomechanical forces. Changes in orofacial system due to partial and total loss of teeth. Basic prosthodontics constructions. Practical units Equipment and instruments. Functional anatomy of orofacial system. TMJ – anatomy and basic movements. Teeth and periodontal tissues Orientation lines and planes. Mandibular movements. Ocludators, articulators, facebows, basic mandibular positions. Basic of occlusion and articulation. Basic and biological functions of orofacial system. Changes and complications in orofacial system due to partial and total loss of teeth. Teeth. 	6.	Periodontal tissues, basic anatomo morphological characteristics.
 9. Basic of occlusion and articulation. 10. Biomechanical forces. 11. Changes in orofacial system due to partial and total loss of teeth. 12. Basic prosthodontics constructions. Practical units Equipment and instruments. Functional anatomy of orofacial system. TMJ – anatomy and basic movements. Teeth and periodontal tissues Orientation lines and planes. Mandibular movements. Sasic of occlusion and articulation. Basic of occlusion and articulation. Basic and biological functions of orofacial system. 10. Changes and complications in orofacial system due to partial and total loss of teeth. Technology of fabrication dentures, classifications, indications, different types 	7.	Orientation lines and planes.
 10. Biomechanical forces. 11. Changes in orofacial system due to partial and total loss of teeth. 12. Basic prosthodontics constructions. Practical units Equipment and instruments. Functional anatomy of orofacial system. TMJ – anatomy and basic movements. Teeth and periodontal tissues Orientation lines and planes. Mandibular movements. Ocludators, articulators, facebows, basic mandibular positions. Basic of occlusion and articulation. Basic and biological functions of orofacial system. Changes and complications in orofacial system due to partial and total loss of teeth. Technology of fabrication dentures, classifications, indications, different types 	8.	Basic functions of masticatory system.
 11. Changes in orofacial system due to partial and total loss of teeth. 12. Basic prosthodontics constructions. Practical units Equipment and instruments. Functional anatomy of orofacial system. TMJ – anatomy and basic movements. Teeth and periodontal tissues Orientation lines and planes. Mandibular movements. Sasic of occlusion and articulation. Basic and biological functions of orofacial system. Changes and complications in orofacial system due to partial and total loss of teeth. Technology of fabrication dentures, classifications, indications, different types 	9.	Basic of occlusion and articulation.
 12. Basic prosthodontics constructions. Practical units Equipment and instruments. Functional anatomy of orofacial system. TMJ – anatomy and basic movements. Teeth and periodontal tissues Orientation lines and planes. Mandibular movements. Ocludators, articulators, facebows, basic mandibular positions. Basic of occlusion and articulation. Basic and biological functions of orofacial system. Changes and complications in orofacial system due to partial and total loss of teeth. Technology of fabrication dentures, classifications, indications, different types 	10	Biomechanical forces.
 Practical units Equipment and instruments. Functional anatomy of orofacial system. TMJ – anatomy and basic movements. Teeth and periodontal tissues Orientation lines and planes. Mandibular movements. Ocludators, articulators, facebows, basic mandibular positions. Basic of occlusion and articulation. Basic and biological functions of orofacial system. 10. Changes and complications in orofacial system due to partial and total loss of teeth. Technology of fabrication dentures, classifications, indications, different types 	11	. Changes in orofacial system due to partial and total loss of teeth.
 Equipment and instruments. Functional anatomy of orofacial system. TMJ – anatomy and basic movements. Teeth and periodontal tissues Orientation lines and planes. Mandibular movements. Ocludators, articulators, facebows, basic mandibular positions. Basic of occlusion and articulation. Basic and biological functions of orofacial system. Changes and complications in orofacial system due to partial and total loss of teeth. Technology of fabrication dentures, classifications, indications, different types 	12	Basic prosthodontics constructions.
 Equipment and instruments. Functional anatomy of orofacial system. TMJ – anatomy and basic movements. Teeth and periodontal tissues Orientation lines and planes. Mandibular movements. Ocludators, articulators, facebows, basic mandibular positions. Basic of occlusion and articulation. Basic and biological functions of orofacial system. Changes and complications in orofacial system due to partial and total loss of teeth. Technology of fabrication dentures, classifications, indications, different types 		
 Functional anatomy of orofacial system. TMJ – anatomy and basic movements. Teeth and periodontal tissues Orientation lines and planes. Mandibular movements. Ocludators, articulators, facebows, basic mandibular positions. Basic of occlusion and articulation. Basic and biological functions of orofacial system. Changes and complications in orofacial system due to partial and total loss of teeth. Technology of fabrication dentures, classifications, indications, different types 	Pract	ical units
 TMJ – anatomy and basic movements. Teeth and periodontal tissues Orientation lines and planes. Mandibular movements. Ocludators, articulators, facebows, basic mandibular positions. Basic of occlusion and articulation. Basic and biological functions of orofacial system. Changes and complications in orofacial system due to partial and total loss of teeth. Technology of fabrication dentures, classifications, indications, different types 	1.	Equipment and instruments.
 Teeth and periodontal tissues Orientation lines and planes. Mandibular movements. Ocludators, articulators, facebows, basic mandibular positions. Basic of occlusion and articulation. Basic and biological functions of orofacial system. Changes and complications in orofacial system due to partial and total loss of teeth. Technology of fabrication dentures, classifications, indications, different types 	2.	Functional anatomy of orofacial system.
 Mandibular movements. Ocludators, articulators, facebows, basic mandibular positions. Basic of occlusion and articulation. Basic and biological functions of orofacial system. Changes and complications in orofacial system due to partial and total loss of teeth. Technology of fabrication dentures, classifications, indications, different types 		•
 Ocludators, articulators, facebows, basic mandibular positions. Basic of occlusion and articulation. Basic and biological functions of orofacial system. Changes and complications in orofacial system due to partial and total loss of teeth. Technology of fabrication dentures, classifications, indications, different types 	5.	Orientation lines and planes.
 8. Basic of occlusion and articulation. 9. Basic and biological functions of orofacial system. 10. Changes and complications in orofacial system due to partial and total loss of teeth. 11. Technology of fabrication dentures, classifications, indications, different types 	6.	Mandibular movements.
 Basic and biological functions of orofacial system. Changes and complications in orofacial system due to partial and total loss of teeth. Technology of fabrication dentures, classifications, indications, different types 	7.	Ocludators, articulators, facebows, basic mandibular positions.
teeth. 11. Technology of fabrication dentures, classifications, indications, different types		
	10	
	11	. Technology of fabrication dentures, classifications, indications, different types
of constructions.		of constructions.
12. Phases of fabrication of dentures, basic knowledge in practice work.	12	Phases of fabrication of dentures, basic knowledge in practice work.

12.	Learn	ing methods:								
	Lecture, discussion, debate, cooperative learning techniques, individual tasks,									
	simulation of outside teaching character activities, self-study.									
40	T . (.)				<u> </u>					
13.		available time		5ECTS X 30=150						
14.		bution of available ti		30+30+15+15+60		hours				
15.		s of teaching /	15.1.	lectures / theoretic contact teaching,	al -		30 classes			
	learni	ng activities		e-teaching						
			15.2.	theoretical and			30classes			
				practical exercises e-exams, preparat						
				of independent						
16.	Other	forms of activities	16.1.	seminar work Project tasks			15 classes			
			16.2.	Individual tasks		15 classes				
			_							
			16.3.	Home learning			60 classes			
17.		od of assessment								
	17.1.	Tests / oral exams					70 points			
	17.2.	Seminars (paper / written and/or oral)	project	- presentation:			10 points			
	17.3.	Activity and partici	pation				20 points			
18.	Asses	ssment Criteria (poin	ts /	up 50 points	5	(five)	(F)			
	score)		51 to 60 points	6	(six)	(E)			
				61 to 70 points	7	(seven)	(D)			
				71 to 80 points	8	(eight)	(C)			
				81 to 90 points	9	(nine)	(B)			
				91 to 100 points	10	(ten)	(A)			
19.	Signa	ture requirement and	d		1					
	passi	ng the final exam								

20.	Language of teaching / study	Macedonian
21.	Method of monitoring the quality of teaching	Continuous: reflection and evaluation of students. In phases: self-evaluation internal and external
		evaluation

22.	Literature									
		Required literature								
		No. Author		Title	Publisher	Year				
	22.1.	1.	Maric D	Uvod u stomatolosku protetiku	Beograd	1966				
		2.	Jankulovska E	Anatomija I morfologija na vilicite I zabite	Skopje	2001				
		3.								
		Additional literature								
		No.	Author	Title	Publisher	Year				
	22.2.	1.								
		2.								
		3.				1				

Anr	iex no.3	First, se	cond and third cy	/cle	study programn	ne
1.	Title of th	ne course	Appliances and	ins	truments in dent	tal laboratory
2.	Code		3MF151712			
3.	Study pr	ogram	Graduated denta	l tec	hnician – prosthc	odontist
4.	program	f the study me (unit, i.e. institute, department)	Faculty of Medica	al So	ciences	
5.	Cycle (fii cycle)	rst, second, third	First cycle			
6.	Academi	ic year / semester	2 nd year / 3 th semester	7.	Number of ECTS credits	6

8.	Professor (s)	Prof.Dr.Stipica Popovski					
9.	Requirements for course enrolment	ts for course Enrolled second year of study					
10.	Aims of the study programme (competencies):						
	Student should learn the basics of commonly used dental appliances and instruments						
	in dental technicians laboratory,	their use and compound.					
11.	Content of the study programme	9:					
	Theoretical course units						
	-Development through th technique	e history of cameras and instruments in dental					
		equipment of dental laboratory, and their space.					
	- Instruments for working	with plaster and investing mass					
	 Apparatus and instrume mobile dental Nag 	ents for the preparation and development of models of					
	- Instruments for working	with wax					
	- Instruments for investing						
	 Instruments solder and Instruments for metal . 	puncture acrylic, composite and ceramic masses.					
	 Apparatus and instrume 	ents for polishing and veneering					
		ents for polymerization and doubling. paralelometars and principles for operation of modern					
	Practical course programs						
	-Development through th technique	e history of cameras and instruments in dental					
	- Standards for technical	equipment of dental laboratory, and their space.					
	- Standards for Dental wo	•					
		with plaster and investing mass ents for the preparation and development of models of					
	mobile dental nag						
	 Instruments for working Instruments for investing 						
	- Instruments solder and	puncture					
		acrylic , composite and ceramic masses .					
		ents for polishing and veneering ents for polymerization and doubling.					
		paralelometars and principles for operation of modern					

12.	Methods of learning:									
13.	Total available time				6ECTSx30=180 hours					
14.	Distrib	ution of	available time			45+30+15+10+80)=180	hours		
15.	Forms	of teac	hing activities	15.1	I. L	ectures - theory			2	15 hours
	15		15.2	S	xercise of laborato eminar papers, tea ork			3	30 hours	
16.	Other f	orms o	factivities	16.1		roject tasks			-	15 hours
				16.2	2. Ir	ndividual tasks				10 hours
				16.3	3. H	ome learning			8	30 hours
17.	Method	d of ass	essment							
	17.1. Tests								20) points
		-	work/project (p	reser	ntatio	n: written and			1	0 points
	oral) 17.3. Activity and participation									7 points
18.	Assessment Criteria (points /			/		up to 50 points	5	(five)	(F)
	score)				fror	m 51 to 60 points	6	(six)	(E	.)
					fror	m 61 to 70 points	7	(seven)	(D)
					fror	m 71 to 80 points	8	(eight)	(C)
					from 81 to 90 poir		9	(nine)	(B)
						from 91 to 100 points	10	(ten)	(A)
19.	Ū		uirement and							
	•		nal exam							
20.					Macedonian					
	lecture									
21.	с , <i>,</i> ,			ality						
	of the lectures				lectu	ures				
22.	Literat									
			atory literature					— • ··· •	I	
	22.4	No.	Autho			Title		Publishe	er	Year
	22.1.	1.	Kovachevska	Ι.		Dentistry materials and technology (script)		UGD		2012

	2.	Stamenkovikj D. et all.	Constructive dentistry materials	Kucha shtampe Zemun	2007
	3.	Jerolimov V. et all.	Foundations of dentistry materials	Zagreb	2005
	Additi	onal literature			
	No.	Author	Title	Publisher	Year
22.2.	1.	Mirchev Eftim	Dentistry technology	Skopje	1993
	2.				
	3.				

Anr	nex No.3	Program of t	he Course - first	/sec	ond/third cycle	studies			
1.	Title of t	he Course	Oral health						
2.	Code		3MF154212	3MF154212					
3.	Study P	rogram	Stomatology						
4.	Organiz	er of the study	University Goce	Delo	cev				
	program	n (unit or institute,	Faculty of medic	al so	cience				
		•	Department of o	ral a	nd maxillofacial	surgery and			
	Faculty,	department)	dental implantolo	ogy					
5.	Cycle (fi	rst, second and	First cycle						
	third cyc	cle)							
6.	Academ	ic year / semester	2 nd year / 3 th	7.	Number of	4			
			semester		credits				
8.	Profess	or (s)	Prof. Dr. Cena D	imo	va				
9.		ments for ent the Course	Enrolled in second year of studies						
10.									
	- Prevention periodontal and other diseases among groups of patients								
	- Prevention periodontal and other diseases in patients at high risk,								
	 Oral hygiene, oral health and nutrition in patients. Training patients to maintain oral hygiene. 								
		01		o of	aral baalth				
		e of health professiona g in the office of the pa	•			vis therapy plan			
		g in the onice of the pa			ealizeu, ulagnos	ss, merapy plan			

	to regular checks.						
11.	Content of the course prog	gram:					
12.	 Theory: Introduction to the s Biological mechanis Factors that cause of Epidemiology of period Prevention of period Prevention of period Oral health of the point Oral hygiene in order Nutrition and oral her Promotion of patient disorder Determining the state Motivation to maintate Training of the patie Oral health and oral Types of oral hygien Nutrition and oral her 	ubject m of pro- disruptio iodontal dontal dis dontal dis dontal in nucosal o pulation er to pres ealth ealth and ts, revier te of ora in oral h ent to ma hygiene ne techn ealth plaque, ation gra rvention l hard pla ns for or ntic card	and oral mucosal disease sease groups at high risk for the disease in advanced age serve oral health d educational programs w and identification of risk l hygiene intain oral hygiene intain oral hygiene iques tartar vitas gingivitis s aque, pigmentation teeth al health board and medical docum	entation			
13.	Total available time		4ECTS X 30=120 hour				
14.	Distribution of available til	me	30+15+15+15+45	~			
15.	Forms of teaching / learning activities	15.1.	lectures / theoretical - contact teaching, e-teaching	30 hours			
		15.2.	theoretical and practical exercises, e-exams, preparation of independent seminar work	15 hours			
16.	6. Други форми на 16.1.		Project tasks	15 hours			
	активности	16.2.	Individual tasks	15 hours			
		16.3.	Home learning	45 hours			

17.	Metho	od of assessment					
	17.1.	Tests / oral exams			(20+20+30)=70 points	
	17.2.	Seminars (paper / project written and/or oral)	ct - presentation:			10 points	
	17.3.	Activity and participation			20 points		
18.	Asses	ssment Criteria (points /	up 50 points	5	(five)	(F)	
	score)	51 to 60 points	6	(six)	(E)	
			61 to 70 points	7	(seven)	(D)	
			71 to 80 points	8	(eight)	(C)	
			81 to 90 points	9	(nine)	(B)	
			91 to 100 points	10	(ten)	(A)	
19.	Signa	ture requirement and	Regularity and activity	ty theoretical and practical			
	passi	ng the final exam	instruction, independent project work, project task				
	-	-	group				
			•	signature - regularity of			
			theoretical and practic	cal ins	truction,		
			Second Requirement	for pa	assing the fin	nal exam -	
			achieved 42 points (o	r 60%). (Rating is	obtained	
			after passing the final	exam	nination whic	h may be	
			oral or written)				
20.	Lang	uage of teaching / study	macedonian				
21.	Metho	od of monitoring the	Supporting the evalua	tion c	of students a	nd Self-	
	qualit	y of teaching	evaluation				

22.	Literat	ure								
		Required literature								
		No.	Author	Title	Publisher	Year				
		1.	Ivanovski K, Pandilova M.	Oral health	Faculty of Dentistry Skopje	2008				
	22.1.	2.	Murray JJ, Nunn JH, Steele JG.	The Prevention of Oral Disease	Fourth Edition, Oxford University Press Inc., New York	2003				
		3.								
		Addit	ional literature							
	22.2.	No.	Author	Title	Publisher	Year				
		1.	Minovska A et al.	Oral hygienic	Faculty of	2004				

			Dentistry Skopje	
2.	Dimova Cena	Prophylaxis of oral diseases	UGD, FMN	2013
3.	Carcev M.	Preventive dentistry	Faculty of Dentistry Skopje	2006

Ann	ex no.3	First, see	cond and third cy	ycle	study programr	ne		
1.	Title of th	ne course	Dental materials					
2.	Code		3MF154112					
3.	Study pro	ogramme	Graduated dental technician – prosthodontist					
4.		f the study programme institute, faculty, ent)	Faculty of Medic	al S	ciences			
5.	Cycle (fir cycle)	st, second, third	First cycle					
6.	Academi	c year / semester	2 nd year / 3 th semester	7.	Number of ECTS credits	5		
8.	Professo	or (s)	Prof.Dr. Ivona Ko	ovac	hevska	1		
9.		nents for course						
10.	enrolment 0. Aims of the study programme (competencies): Student should learn the contents and to obtain general and vocational knowledge about dental materials, their classification and use.							
11.		of the study programme): 					
		cal course units troduction, classificatior	n of dentistry mate	erials	s, standards and	technologies.		

	2. Metals, physical and o	chemical	properties, technology a	and getting.						
	3. Plaster cast, types of	plaster c	ast, quantitative and qua	alitative features, usage						
	4. Wax, thermoplastic m	aterials,	materials for modelling							
	5. Metal alloys. Ceramic	works.								
	6. Inlay tables, thermo-re	esistant r	materials							
	7. Acrylates. Materials for	or prepar	ation and scrape							
	8. Ceramics. Cad-cam a	nd other	moderate ceramics							
	9. Metals and alloys									
	10. Dental alloys. Alloys for metal ceramics									
	11. Corrosion of metals and alloys									
	12. Biocompatibility and p	orotection	of dental team							
	Practical course programs									
	1. Classification and usage of dental materials and technologies.									
	2. Dental materials - non-me	etals. Pla	ster cast (Application an	d methods of						
	preparation)									
	3. Inlay table, tables for mou	ulding and	d soldering (Application	and methods of						
	preparation)									
	4. Materials for modelling. P	lastics. V	Vax							
	5. Materials for printing. Clas	ssificatio	n. Rigid plastic and elast	ic printing masses						
	6. Materials for doubling. Ma	aterials fo	or isolation							
	7. Metals and alloys									
	8. Materials for preparation,	scrape, o	drilling and polishing							
	9. Plastics - artificially masse	es and a	crylates							
	10. Ceramics masses - po	orcelain								
	11. Materials for oral surg	ery and i	implantation							
12.	Methods of learning:									
13.	Total available time		5ECTS X 30= 150							
14.	Distribution of available time		30+30+15+15+30							
15.	Forms of teaching activities	15.1.	Lectures - theory	30 hours						
			Exercise of laboratory,	30 hours						
			seminar papers, team							

					v	vork				
16.	Other f	orms o	f activities	16.1		Project tasks				15 hours
				16.2	. I	ndividual tasks				15 hours
		16.3. Hom		lome learning]		1	15 hours		
17.	Metho	d of ass	essment							
	17.1.	Tests						20 points		
	17.2.	Paper	work/project (p	resen	ntation: written and				-	0 points
	oral) 17.3. Activity and participation			ion						Znainta
10		-	· · ·					-		7 points
18.	N.			/		up to 50 points	5	(five)	(F	
	score)					m 51 to 60 points	6	(six)	(E	.)
					froi	m 61 to 70 points	7	(seven)	(D)
					froi	m 71 to 80 points	8	(eight)	(C)
					froi	m 81 to 90 points	9	(nine)	(B)
						from 91 to 100 points	10	(ten) (A)
19.	Signature requirement and									
	passin	g the fir	nal exam							
20.	Langua	age of o	conducting the		Ma	cedonian				
	lecture	rs								
21.	Metho	d of mo	nitoring the qua	ality	Interactive communication of the students in the					n the
	of the l	ectures	6		lectures					
22.	Literat	ure		·						
		Oblig	atory literature							
		No.	Autho	-		Title		Publishe	er	Year
	22.1.	1.	Kovachevska	Ι.		Dentistry materia and technology (script)	als	UGD		2012
	22.1.	2.	Stamenkovikj	D. et	all.	Constructive der materials	ntistry	Kucha shtamp Zemun	е	2007
		3. Jerolimov V. et all. Additional literature		et all.		Foundations of dentistry materia	als	Zagreb		2005
										Year
		No.	Autho			Title			Publisher	
	22.2.	1.	Mirchev Eftim)		Dentistry techno	logy	Skopje	•	1993
		2. 3.								
		0.								

4th semester

Ann	ex No.3	Program of the Course	- first/second/third cycle studies					
1.	Title of	the Course	Mobile prosthodo	ontic	s total denture 1			
2.	Code		3MF150512					
3.	Study	Program	Graduated dental t	echr	nician - prosthodon	tics'		
4.	Organi	zer of the study program	University Goce De	elcev	1			
	(unit o	r institute, Faculty,	Faculty of medical sciences					
	depart	ment)	-					
5.	Cycle (first, second and third	First cycle					
	cycle)							
6.	Acade	nic year / semester	2 nd / 4 th semester	7.	Number of	7		
					credits			
8.	Profes	sor (s)	Prf. Dr. Erol Sabar	IOV		•		
9.	Requir	ements for enrollment the	Enrolment in 2 nd se	emes	ster			
	Course)						
10.	Purpos	ses of the curriculum (com	petencies):					
	Biologi	cal basis and meaning of the	complete denture in	i pati	ent treatment.			
	Proced	ure for producing complete d	entures.					
11.	Content of the course program:							
	Theoretical teaching unit							
		Anatomy and physiology of c	oro facial system from	m pro	osthetic aspect			
		Anthropology in dentistry						
		Changes in the orofacial syst						
		Diagnosis, planning, preparir	•					
		Taking anatomical impressio			•			
			pressions and technics for taking impresions					
		Making individual trays. Cast	ing functional impre	ssior	ns and generating a	a		
		functional stone model.						
	-	Intermaxillar relations.						
		Making wax basis.	1.4					
		Fixation of the models in artic						
		Characteristics of working wi individual.	th standard articulat	ors,	semi individual and	1		
		Errors in determining interma	villiony rolations and	1 tha	ir correction			
	12.	Practical teaching units	anilary relations and					
	1.	Introduction to the dental tec	bnicians work onvir	nmc	nt			
		Changes in the orofacial syst						
		Impressions materials and th			John			
		Taking impressions from pha		lloid	material and castir	na		
		Analysis of the working mode		noiu		·9·		
		Producing occlusion rims (a	-					
		Producing occlusion rims (w	,					
		Analysis and fixation of the ri	•					
		Articulators an ocludators (m						
	0.							

		. Fixing the models in artic		onto the models			
		. Analysis of the error whe			s and t	their correc	tions.
12.	Learn	ing methods:					
	Lecture, discussion, debate, cooperative learning techniques, individual tasks, simulation of outside teaching character activities, self-study.						
13.	Total	available time		7EKTSx30hours=27	10hou	rs	
14.	Distri	bution of available time		30+60+15+15+90=2	210ho	urs	
15.	Forms of teaching / learning 15.			lectures / theoretical -		30	classes
	activities			contact teaching,			
				e-teaching			
			15.2.	theoretical and practic	al	60	classes
			exercises,	of			
				e-exams, preparation independent seminar			
16.	. Други форми на 1			Project tasks		15hours	
10.		ности	16.1.	-			
			16.2.	Individual tasks		15hours	
			16.3.	Home learning	90hours		
17.	Metho	od of assessment					
	17.1.	Tests / oral exams				70) points
	17.2.	Seminars (paper / proj and/or oral)	ect - pr	esentation: written	10 points		
	17.3.	Activity and participation	on		20 points		
18.	Asses	ssment Criteria (points /		up 50 points	5	(five)	(F)
	score)		51 to 60 points	6	(six)	(E)
				61 to 70 points	7	(seven)	(D)
				71 to 80 points	8	(eight)	(C)
				81 to 90 points	9	(nine)	(B)
		_		91 to 100 points	10	(ten)	(A)
19.	•	ture requirement and		Regularity and activity of			
	passing the final exam			practical classes, indepe			
20	Long	assignment, passed the practical exam					
20.	•	Language of teaching / study Macedonian					
21.	Metho of tea	od of monitoring the qua ching		Self-evaluation			

22.	Literature									
	00.4	Requi	Required literature							
		No.	Author	Title	Publisher	Year				
	22.1.	1.	Sabanov E	Authorized lectures						
		2.	Mircev E	Totale dentures -	NIP,,Students	2000.				

3. Jankulovska E.		Jankulovska E.	preclinic Mobile prosthodontics -	ki zbor " Skopje Stomatoloski	2003			
			preclinic	fakultet Skopje				
	Additional literature							
	No.	Author	Title	Publisher	Year			
22.2.	No. 1.	Author Gugucevski Lj. Dejanovski K. Velevski D	Title Clinic of totale dentures	Publisher Ein-Sof Skopje	Year			

Ann	nnex No.3 Program of the Course - first/second/third cycle studies							
1.	Title of the Course	Mobile prosthodontics - partial denture 1						
2.	Code	3MF150612						
3.	Study Program	Graduated dental technician - prosthodontics						
4.	Organizer of the study program	University Goce Delcev						
	(unit or institute, Faculty,	Faculty of medical science						
	department)							
5.	Cycle (first, second and third	First cycle						
	cycle)							
6.	Academic year / semester	$2^{nd} / 4^{th}$ semester 7. Number of 7						
		credits						
8.	Professor (s)	· · · · · · · · · · · · · · · · · · ·						
9.	Requirements for enrollment the							
	Course							
10.								
		d contraindications for producing partial dentures.						
11.	Content of the course program:							
	Theory:							
		of orofacial system from prosthetic aspect.						
	-	system due to partial loss of teeth.						
	-	lentulism and partial dentures.						
	 Components of partial det Base shapes of upper and 							
	6. Gingival part of partial der							
	7. How do use parallelometer							
	-	lements in classic partial dentures.						
	9. Wire hooks, components.	•						
	10. Wire hooks, technical pr							
	•	nd implementation of partial dentures.						
		naking removable partial dentures.						
		č i						
	Practical teaching units:							

		1. Introduction to the dent	al tech	nicians work environmer	nt.			
		2. Analysis of the working	model	s and diagnose changes	in the	e orofacial s	ystem due	
		to partial loss of teeth.						
		3. Classification of partial	edentu	ilism and partial dentures	S.			
		4. Taking impressions from	m phar	ntoms and casting.				
		5. Producing occlusion ri	•					
		6. Producing occlusion ri						
		7. To determine the enter	•	•				
		8. Marking models with pa		meter.				
		9. Bending one hand wire						
	10. Bending comprehensive wire hook.							
	11. Fixing the models in articulator							
	12. Selections of artificial teeth for partial dentures, type, classifications, and methods							
		for selection.						
12.	l oarn	ing methods:						
12.		e, discussion, debate, coope	arativa	learning techniques indi	ividual	tasks simi	ulation of	
		e teaching character activitie		• • •	ividuai			
13.		available time		7EKTSx30hours=21	Ohour	S		
14.		oution of available time		30+60+15+15+90=2				
15.		s of teaching / learning	15.1.	lectures / theoretical				
	activit	• •		contact teaching,				
				e-teaching				
			15.2.	theoretical and pract	ical		60 hours	
				exercises,				
				e-exams, preparation				
				independent seminar				
				work			15 hours	
16.	Други	форми на активности	16.1.	Project tasks	Project tasks			
			16.2.	Individual tasks		15 hours		
			16.3.	Home learning			90 hours	
47	Matha	d of opportunit						
17.	17.1.	od of assessment Tests / oral exams				(00,00,00)	70 nointe	
						(20+20+30))=70 points	
	17.2.	Seminars (paper / projec	t - pre	sentation: written			10 points	
	17.3.	and/or oral) Activity and participation					20 points	
10				50 m c inte	_	(6,	•	
18.		sment Criteria (points /		up 50 points	5	(five)	(F)	
	score)		51 to 60 points	6	(six)	(E)	
				61 to 70 points	7	(seven)	(D)	
				71 to 80 points	8	(eight)	(C)	
			81 to 90 points	9	(nine)	(B)		
19.	Signa	ture requirement and need	sing -	91 to 100 points Regularity and activity of	10	(ten)	(A)	
19.	-	ture requirement and pass	-	• • •				
		the final exam classes, independent project assignment, passed the						

		practical exam
20.	Language of teaching / study	Macedonian
21.	Method of monitoring the quality of	Self-evaluation
	teaching	

	iterature							
	Required literature							
22.1.	No.	Author Title		Publisher	Yea			
	1.	Dragoljub Veleski	Clinic and techniques	Stomatoloski	2010			
			of partial denture book	fakultet,				
			first (acrylate partial	Skopje				
			denture)					
	2.		Partial dentures -	Stomatoloski	2008			
		Guguvcevski Lj.	preclinic	fakultet,				
				Skopje				
	3.							
	Additional literature							
22.2.	No.	Author	Title	Publisher	Yea			
	1.	Maric, Kosovcevic	Partial denture	Beograd	1978			
	2.	Suvin	Partial denture	Zagreb	1977			
	3.							

Annex no.3 First, second and third		cycle study prog	ram	me				
1.	Title of th	e course	Fixed prosthodontics 1					
2.	Code		3MF151212					
3.	Study program Graduated dental technician - prosthodontis							
			vocational studies					
4.	Holder of	Holder of the study program (unit, University Goce Delcev						
	i.e. institu	ute, faculty, department)	Faculty of medica	al sci	ience			
5.	Cycle (fir	st, second, third cycle)	First cycle					
6.	Academi	c year / semester	2 nd / 4 th	7.	Number of	5		
			semester		ECTS credits			
8.	Professo	r (s)	Ass.prof. d-r Nikola Gigovski					
9.	Requiren	nents for course						
	enrolmer	nt						
10.	Goals of	the subject:						
	-Introduction in the fabrication of fixed constructions, crowns							
	-Working in phases for fabrication of fixed constructions							

44	Contant of the study was see	<u>.</u>]		
11.	Content of the study programme:							
	Introduction in the fabrication of fixed prosthetic constructions							
	Preparation of the teeth for fabrication of artificial crowns, impressions for							
	fabrication of crowns							
	 Pouring impressions and fabrication of working casts with separate dies 							
	Definition and types of articulators and fixation of the working casts							
	 Coping fabrication and different protocols for fabrication 							
	Wax pattern of full metal crown							
	Wax pattern of veneer metal crown on die with spacing							
	Wax pattern of veneer metal crown with vestibular veneer							
	Spruing and investing of the crown wax pattern							
	Casting of the crown wax pattern							
	Try-in and adjustment of the metal cast							
	Compossite veneering of esthetic crown							
	Practical units:							
	 Запознавање со работното место во заботехничката лабараторија 							
	 Impressions and fabrication of working cast with separate dies 							
	 Fixation of the working casts in articulator 							
	Different techniques for coping fabrication							
	Wax pattern of full metal crown							
	•							
	 Wax pattern of metal crown with vestibular veneer Wax pattern of porcelain fussed to metal crown 							
	 Spruing and investing or 							
			ax pattern					
	Casting of wax pattern							
	 Try-in and adjustment of the metal cast Veneering of esthetic crown with composites 							
	C C		•					
40	 Polishing of the esthetic crown with composites Methods of learning: Lectures, preclinical laboratory exercises, consultations. 							
12.	Methods of learning: Lectures,	precim	lical laboratory exercis	es, co	nsultations	<i>.</i>		
13.								
	Total available time			EKTSx30hours=150hours 5+60+15+15+45=150hours				
14.	Distribution of available time	45.4						
15.	Forms of teaching activities	15.1.	Lectures - theoretica			5 hours		
		15.2.	Exercise of laborator		60	0 hours		
			seminar papers, tea	m				
			work					
16.	Other forms of activities	16.1.	Project tasks		1:	5 hours		
		16.2.	Individual tasks		11	5 hours		
		10.2.	mumuuai lasks					
		16.3.	Home learning		4	5 hours		
17.	Method of assessment Lecture	s, precl	linical laboratory exerc	ises, c				
	17.1. Tests				40 points			
	17.2. Paper work/project (presentation: written and oral)			10 points				
	17.3. Activity and participation			<u> </u>) points		
10				F				
18.	Assessment Criteria (points / score)		up to 50 points from 51 to 60 points	5	(five)	(F) (E)		
		1		6	(six)			

		from 61 to 70 points	7	(seven)			
			(D)				
		from 71 to 80 points	8	(eight)	(C)		
		from 81 to 90 points	9	(nine)	(B)		
		from 91 to 100 points	10	(ten)	(A)		
19.	Signature requirement and	Regularity and activity of theoretical and					
	passing the final exam	practical classes, independent project					
		assignment, passed the	e pract	tical exam			
20.	Language of conducting the	Macedonian					
	lecturers						
21.	Method of monitoring the quality of	Self-evaluation					
	the lectures						

22.	Literature										
		Obliga	Obligatory literature								
		No	Autors	Title	Editor	Year					
	22.1.	1.	Eftim Mircev	Preclinical Fixed prosthodontics	Facuty of dentistry	2001, Skopje					
		2.									
		Aditio	nal literature								
	22.2.	No	Autors	Title	Editor	Year					
		1.									

Ann	ex no.3	First, secon	d and third cycle s	stud	y programme			
1.	Title of t	he course	Orthopedics of tee	eth ar	nd jaws			
2.	Code		3MF150112					
3.	Study pr	ogram	Graduated dental	tech	nician - prosthodo	ntist		
4.	Holder o	f the study program (unit,	University Goce D	elce	V			
	i.e. instit	ute, faculty, department)	Faculty of medical science					
5.	Cycle (fi	rst, second, third cycle)	First cycle					
6.	Academ	ic year / semester	2 nd / 4 th	7.	Number of	5		
			semester		ECTS credits			
8.	Professo	or (s)	Prof. dr. Stipica Po	opov	ski			
9.	Require	ments for course	Enrolled second y	Enrolled second year				
	enrolme	nt						
10.	Aims of	the study programme (com	petencies):					
	Understa	anding basic knowledge an	d expertise in the fi	eld c	of orthodontics.			
11.	Content	of the study programme:						
	Theory:							
	1. li	ntroduction to orthodontics.	Growth and develo	opme	ent of the orofacial	system.		
	E	Etiological factors - general	and local.					
	2. 0	Orthodontic appliances and	their classification.	Mak	ing study models.			
	3. N	Aaking an inclined plane. N	laking vestibular pla	ate.				

	4. Brad handle. Space keeper.										
	5.	Treatment with removat	ble plate	apparatus. Treatment w	vith functional						
		appliances.									
	6.	Treatment of irregularitie	es of inc	lividual teeth. Organizati	on of work in the						
		orthodontic lab.									
	7.	Planning on mobile devi	ices to c	correct dento- facial defo	rmities.						
	8.	3. Pre-surgical therapy. Surgical correction of a dent-facial deformities.									
	9.	Principles of surgical ma	anagem	ent. Correction of maxilla	a and mandibula.						
	10	. Bimaksilarna surgery. C	osmetic	surgery. Post-surgical o	orthodontic treatment.						
	11	. Retention of the achieve	ed result	s and the possibility of r	ecurrence. Special						
		approach in the therapy	of dent	ofacial deformities.							
		. Physiological response	to treatr	nent and post-surgical s	tability.						
		cal classes									
	1.	Introduction to orthodon			f the orofacial system.						
		Etiological factors - gen									
		Orthodontic appliances		•	study models.						
		Making an inclined plan		ng vestibular plate.							
		Brad handle. Space kee	-		dille forme Concerl						
	5.	Treatment with removat appliances.	pie plate	apparatus. Treatment v	Nith functional						
	6	Treatment of irregularitie	as of inc	lividual teeth Organizati	on of work in the						
	0.	orthodontic lab.	55 01 1110								
	7.	Planning on mobile devi	ices to c	orrect dento- facial defo	rmities.						
		Pre-surgical therapy. Su									
		Principles of surgical ma	-								
	10	. Bimaksilarna surgery. C	osmetic	surgery. Post-surgical o	orthodontic treatment.						
	11.	. Retention of the achieve	ed result	s and the possibility of r	ecurrence. Special						
		approach in the therapy	of dent	ofacial deformities.							
	12	. Physiological response	to treatr	nent and post-surgical s	tability.						
12.	Metho	ds of learning: Lectures,	preclini	cal laboratory exercises,	, consultations.						
13.	Total a	available time		5EKTCx30чaca=150	uaca						
14.		ution of available time		30+30+15+10+65=1							
15.		of teaching activities	15.1.	Lectures - theoretical	30 часови						
		0	15.2.	Exercise of laboratory,	30 часови						
				seminar papers, team							
				work							
16.	Other	forms of activities	16.1.	Project tasks	15 часови						
			16.2.	Individual tasks	10 часови						
			10.2.	munnuuai lasks	то часови						
			16.3.	Home learning	65 часови						
17.	Metho	d of assessment Lecture	s precli	nical laboratory evercise	s consultations						
. / .	17.1.	Tests	o, proui		70 points						

	17.2.	Paper work/project (presenta	tion: written and oral)		10	points
	17.3.	Activity and participation			20	points
18.	Asses	sment Criteria (points /	up to 50 points	5	(five)	(F)
	score)		from 51 to 60 points	6	(six)	(E)
			from 61 to 70 points	7	(seven)	
				(D)		
			from 71 to 80 points	8	(eight)	(C)
			from 81 to 90 points	9	(nine)	(B)
			from 91 to 100 points	10	(ten)	(A)
19.	Signat	ture requirement and passing	Regularity and activity o	f theo	retical and	
	the fin	al exam	practical classes, indepe	enden	t project	
			assignment, passed the	pract	ical exam	
20.	Langu	age of conducting the	Macedonian			
	lecture	ers				
21.	Metho	d of monitoring the quality of	Self-evaluation			
	the lea	ctures				

22.	Literatu	ire								
		Obliga	atory literature							
		No	Autors		-	Title		Edit	or	Year
	22.1.	1. Markovik M. i sor			Orthodont	ics		Medical Beograc Zagreb		1989
	22.1.	2.	William R. Proffit, Raymond P. White David M. Sarver	е,	Contempo Treatment Dentofacia	of	ormity	Mosby, London		2003
		3.								
		Aditional literature								
	22.2.	No	Autors		-	Title		Edit	or	Year
		1.								
Ann	ex No.3	Prog	ram of the Course ·	• fi rst/ se	econd/third (cycle	e studies			
1.	Title of t	he Cou	rse	Oral p	athology an	d pe	riodontolog	ду		
2.	Code			3MF16	62312					
3.	Study P	rogram		Gradu	ated dental	tech	nician - pro	osthodoni	tist	
4.	Organiz	er of th	e study program		sity Goce D					
	(unit or departn		e , Faculty,	Faculty of medical science						
5.	-	,	cond and third	First cycle					_	
6.	Academic year / semester 2 nd / 4 th semester					7.	Number credits	of	4	_

8.	Professor (s)	Prof. Minovska Ana						
9.	Requirements for enrollment	Er	roled second year					
	the Course							
10.	Purposes of the curriculum (-	-					
	Students to learn to recognize r							
	periodontal tissues associated		wearing of prosthetic device	es				
11.	Content of the course progra	m:						
	Theory							
	 Oral Pathology and Medic Introduction and definition 		nubiect					
	Oral-pathogenic microflora		Subject					
	Periodontal - structure and		on					
	Clinical forms of periodont							
	 Prophylaxis of periodontal 							
	 Ratio of fixed-prosthetic de 	evices a	and periodontal status					
	Ratio of mobile prosthetic		and periodontal status					
	Morphology of the oral mu	cosa						
	Stomatitis		und the sime and up and if a station of					
	 Chronic intoxication with m 	netais a	nd their oral manifestations					
	Practical classes							
	 Introduction to object definition 	ition ar	nd termonologija					
	Structure and function of the second se							
	 Clinical forms periodontits 							
	 Fixed-prosthetic devices a 	-						
	mobile prosthetic devices	-	iodontal status					
	Morphology of the oral mu	cosa						
	Clinical stomatitis Chronic interviewing by ma	tolo on	d thair aral manifactations					
	 Chronic intoxication by me 	ans an	u their orai manifestations					
12.	Learning methods:							
	Lectures							
	Clinical practice							
	Theoretical exercises							
13.	Total available time		4EKTSx30hours=120hou	-				
14.	Distribution of available time	15.1.	30+15+15+15+45=120hc					
15.	Forms of teaching / learning activities	15.1.	lectures / theoretical - contact teaching,	30 hours				
			e-teaching					
		15.2.	theoretical and practical	15 hours				
			exercises,					
			e-exams, preparation of					
			independent seminar					
			work					

16.	Пруги	форми на активности	16.1.	Project tasks		15hours		
10.	други	форми на активности	10.1.	TTOJECT Idaks		15110015		
			16.2.	2. Individual tasks		15hours		
			16.3.	Home learning		45hours		
17.	Metho	od of assessment						
	17.1.	Tests / oral exams			70 p	oints		
	17.2.	Seminars (paper / pro	j ect - p	resentation: written	10 p	oints		
		and/or oral)	•					
	17.3.	Activity and participat	ion		20 p			
18.	Asses	sment Criteria (points /	/ l	up 50 points	5	(five)	(F)	
	score)	ť	51 to 60 points	6	(six)	(E)	
			(61 to 70 points	7	(seven)	(D)	
			7	71 to 80 points	8	(eight)	(C)	
			8	81 to 90 points	9	(nine)	(B)	
			Ś	91 to 100 points	10	(ten)	(A)	
19.	Signa	ture requirement and	I	Regularity and activity o	of theo	retical and		
	passi	ng the final exam	F	practical classes, indep	enden	t project		
			á	assignment, passed the	e practi	ical exam		
20.	Langu	lage of teaching / study	' I	Macedonian				
21.	Metho	od of monitoring the		Self-evaluation				
	qualit	y of teaching						

22.	Literature											
		Obliga	atory literature									
		No	Autors	Title	Editor	Year						
		1.	Authorised lectures									
		2.	Belazelkoska Z, Nakova M.	Oral pathology	Facuty of dentistry, Skopje	2003						
	22.1.	3.	Dimitrovski V., Popovska – Spasovska M.	Basics of oral propaedeutics	Facuty of dentistry, Skopje	2002						
		4.	Minovska A.	Parodentopathy	Facuty of dentistry, Skopje	2008						
		Aditional literature										
		No	Autors	Title	Editor	Year						
	22.2.	1.	Nakova M., Popovska – Spasovska M.	Diagnosis of oral lesions	Facuty of dentistry, Skopje	2006						
		2.	Stavrevska Minovska Ana, Pandilova Maja, Ivanovski Kire	Oral hygiene	Facuty of dentistry, Skopje	2005						

Optional subjects

	ex no.3 First, second and third	cvcle study prog	ramı	ne	
1.	Title of the course	Dental health in c			
2.	Code	3MF160512		, ,	
3.	Study program	Graduated denta	l tecł	nnician - prosthodo	ontist -
4.	Holder of the study program (unit,	University Goce I		-	
	i.e. institute, faculty, department)	Faculty of medica			
5.	Cycle (first, second, third cycle)	First cycle			
6.	Academic year / semester	2 nd / 4 th	7.	Number of	2
		semester		ECTS credits	
8.	Professor (s)	Prof dr Stipica Po	pov	ski	
9.	Requirements for course enrolment	Enrolled second	year		
10.	Aims of the study progra mme (con	npetencies):			
	The purpose of this course is that s	tudents gain the b	asic	knowledge area of	health
	organization of dental services in th	ne community.			
11.	Content of the study programme:				
	Theory:				
	- Organization of dental service. Der	ntal protection law.			
	- Registration and establishment of	health organizatio	ns.		
	- The organization of dental service	es by groups of age	es.		
	- Medical administration.				
	- Indexes for registration of caries f	indings, changes c	of the	soft parts of the o	ral
	cavity.				
	- Organization of systematic dental	care.			
	- Planning the distribution of the se	rvice (as preventiv	e an	d therapeutic purp	oses).
	- Regulations for records and statis children.	tics in the field of E	Educ	ation of dental hea	lth in
	- Content of dental enlightenment -	purpose tasks.			
	- Content of dental enlightenment b	y age groups.			
	- Difficulties in conducting dental er	lightenment.			
	- Applying knowledge of the dental	service organizatio	on.		
	- Practical instruction:				
	- Organization of dental service. Der				
	- Registration and establishment of	•			
	- The organization of dental service	es by groups of age	es.		
	- Medical administration.				
	- Indexes for registration of caries f cavity.	indings, changes o	of the	soft parts of the o	ral
	- Organization of systematic dental	care.			
	 Planning the distribution of the se Regulations for records and statis children. 				
	- Content of dental enlightenment -	purpose tasks.			
	- Content of dental enlightenment b	• •			

		ulties in conducting denta ying knowledge of the de		•				
12.	Metho	ds of learning: Lectures,	prec	inica	al laboratory exercis	es, co	nsultations.	
13.	Total a	available time			2EKTSx30hours=6	50hour	S	
14.	Distrib	ution of available time			15+15+15+10+5=6	50houi	rs	
15.	Forms	Forms of teaching activities 15.			ectures - theoretica		15	hours
				5	Exercise of laborator seminar papers, tear work	•	15	hours
16.	Other forms of activities 16.1. Project tasks					15	hours	
	1		16.2	2. I	ndividual tasks		10	hours
	16.5		16.3	B. Home learning			5 hours	
17.	Metho	d of assessment						
	17.1.	Tests					70	points
	17.2.	Paper work/project (pre-	senta	ition: written and oral)		10	points	
	17.3.	Activity and participation	า			20 points		
18.	Asses	sment Criteria (points /			up to 50 points	5	(five)	(F)
	score)			f	rom 51 to 60 points	6	(six)	(E)
				f	rom 61 to 70 points	7	(seven)	
						(D)		
					rom 71 to 80 points	8	(eight)	(C)
					rom 81 to 90 points	9	(nine)	(B)
	0	· · · · ·			om 91 to 100 points	10	(ten)	(A)
19.	-	ure requirement and			gularity and activity			
	passin	ig the final exam		-	ictical classes, indep			
20.	Langu	age of conducting the			signment, passed the	e prac	lical exam	
20.	lecture	• •		ivid				
21.	Metho the lec	d of monitoring the qualit ctures	y of	Se	If evaluation			

22.	Literatu	re										
	22.1.	Obliga	Obligatory literature									
		No	Autors	Title	Editor	Year						
		1.		Dental health in community								
		2.										
	22.2	Aditior	nal literature									
	22.2.	No	Autors	Title	Editor	Year						

Ann	ex no.3 First, second and third	cycle study prog	ram	me			
1.	Title of the course	Management in c	lenti	stry			
2.	Code	3MF155512					
3.	Study program	Graduated dental technician - prosthodontist - vocational studies					
4.	Holder of the study program (unit,	University Goce I		01			
4.		-					
	i.e. institute, faculty, department)	Faculty of medica	al SC	lence			
5.	Cycle (first, second, third cycle)	First cycle					
6.	Academic year / semester	2 nd / 4 th	7.	Number of	2		
		semester		ECTS credits			
8.	Professor (s)						
9.	Requirements for course enrolment	Enrolled second	year				
10.	Aims of the study progra mme (cor	 nnetencies):					
10.	Understanding of the role of manage	• •	ities	and development	of		
	health care subjects						
11.	Content of the study programme:						
	Theory:						
	 The content and methodology of the subject area 						
	- Recognition of the role of manage	ement in activities a	and o	development heal	th		
	subjects						
	 Promoting and developing a sens 			in the area			
	- Ability for communication, collabo						
	- Flexible use of knowledge in the	•					
	- Creating principle of autonomy (s	, , , ,		ssment			
	- Developing feelings for clear and		on				
	- Improving the quality of all activiti						
	- Raise awareness of joint operation		othe	rs			
	- Develop a sense of creative thinking						
	- Solving problems						
	- Proficiency with content and meth	nodology of the sub	oject	area			
	Practical instruction:						
	- The content and methodology of	•					
	- Recognition of the role of manage	ement in activities a	and o	development heal	th		
	subjects						
	- Promoting and developing a sens			in the area			
	- Ability for communication, collabo						
	- Flexible use of knowledge in the						
	 Creating principle of autonomy (s 			ssment			
	- Developing feelings for clear and	open communicati	on				

		 Improving the quality of all activities Raise awareness of joint operation and concern for others 								
	- Develop a sense of creative t	hinkin	g							
	- Solving problems									
		- Proficiency with content and methodology of the subject area								
12.	Methods of learning: Lectures	, precl	inical laboratory exercis	ses, co	nsultations.					
13.	Total available time		2EKTSx30hours=							
14.	Distribution of available time	1	15+15+15+10+5=							
15.	Forms of teaching activities	15.1			-	hours				
		15.2			15	hours				
			seminar papers, tea	m						
			work							
16.	Other forms of activities	16.1	. Project tasks		15	hours				
		16.2	. Individual tasks	dividual tasks		10 hours				
		16.3	B. Home learning		5 hours					
17.	Method of assessment									
	17.1. Tests				70	points				
	17.2. Paper work/project (pre	sentat	ion: written and oral)		10	points				
	17.3. Activity and participatio	n			20	points				
18.	Assessment Criteria (points /		up to 50 points	5	(five)	(F)				
	score)		from 51 to 60 points	6	(six)	(E)				
			from 61 to 70 points	7	(seven)					
				(D)						
			from 71 to 80 points	8	(eight)	(C)				
			from 81 to 90 points	9	(nine)	(B)				
			from 91 to 100 points	10	(ten)	(A)				
19.	Signature requirement and		Regularity and activity							
	passing the final exam		practical classes, indep							
			assignment, passed th	e prac	tical exam					
20.	Language of conducting the lecturers		Macedonian							
21.	Method of monitoring the quali	ty of	Self evaluation							
	the lectures									

22.	Literatu	re							
		Obligatory literature							
		No	Autors	Title	Editor	Year			
	22.1.	1.	Petkovski Konstantin, Simonovska Valentina	Management in dentistry		2008			
		2.							

	Adition	Aditional literature							
22.2.	No	Autors	Title	Editor	Year				
	1.								

Ann	ex no.3 First, seco	ond and third cycle study progr	amme					
1.	Title of the course	Maxillofacial surgery						
2.	Code	3MF155612						
3.	Study program	Graduated dental technician -	prosthodontist					
4.	Holder of the study program (unit,	University Goce Delcev						
	i.e. institute, faculty, department)	Faculty of medical science						
5.	Cycle (first, second, third cycle)	First cycle						
6.	Academic year / semester	2 nd / 4 th semester 7. Number of ECTS 2 credits						
8.	Professor (s)	Prof. Vladimir Popovski						
9.	Requirements for course enrolment	Enrolled second year						
10.								
11.	 Theory: Introduction and scope in maxillo Emergency situations in oral and Acute and chronic inflammation i Sinusitis, osteomyelitis of the jaw Preoprostetics operational treatm Inflammatory and tumors salivary Injuries in the maxillofacial region Injuries to the head, Lefort fractu types, separation, treatment. Tumors in the maxillofacial region Deformities of the jaws. Aesthetic hirugija. Neuritis and neuralgia in the maxillo 	maxilloacial surgery. In the maxillofacial region. I bones Inents I glands. In, face and neck. Fractures of the res, fractures of the cranium base	.Haemoraghia					
12.	Methods of learning: Lectures, pro							
13.	Total available time	2EKTSx30hours=60hou						
	Distribution of available time	15+15+15+10+5=60hou	-					
14.								
14. 15.		5.1. Lectures - theoretical5.2. Exercise of laboratory,	15 hours 15 hours					

16.	Other	forms of activities	16.1	. Project tasks		1:	5 hours	
			16.2	2. Individual tasks		10 hours		
			16.3	. Home learning		Ę	5 hours	
17.	Metho	d of assessment Lectures	, prec	linical laboratory exercise	es, cor	sultations.		
	17.1.	Tests				70	points	
	17.2.	Paper work/project (prese	entatio	on: written and oral)		10	points	
	17.3.	Activity and participation				20) points	
18.	Asses	sment Criteria (points / sco	ore)	up to 50 points	5	(five)	(F)	
				from 51 to 60 points	6	(six)	(E)	
				from 61 to 70 points	7	(seven)	(D)	
				from 71 to 80 points	8	(eight)	(C)	
				from 81 to 90 points	9	(nine)	(B)	
				from 91 to 100 points	10	(ten)	(A)	
19.	Signat	ture requirement and pass	ing	Regularity and activity o	f theor	etical and		
	the fin	al exam		practical classes, independent project				
				assignment, passed the	practi	cal exam		
20.	Langu	age of conducting the		Macedonian				
	lecture	ers						
21.	Metho	d of monitoring the quality	of	Interactive communication	on of t	he students	in the	
	the lea	ctures		lectures				

22.	Literatu	ire								
		Obliga	atory literature							
		No	Autors	Title	Editor	Year				
		1.	Markovik A.	Oral Surgery - Practicum	Beograd	2005				
	00.4	2.	Jojik, Perovik	Oral Surgery						
	22.1.	3.	Todorovik I sor.	Oral Surgery	Beograd	2000				
		4.	Mise I.	Oral Surgery						
		5.	Peterson	Principles of oral and maxillofacial surgery						
		Aditio	Aditional literature							
		No	Autors	Title	Editor	Year				
		1.	Todorovik Lj.	Anaesthesia in Dentistry						
	22.2.	2.	V. Petrovik, M. Gavrik	Emergencies in dental practice	IK Draganik, Beograd	2001.				
		3.	M. Gavrik i sor.	Maxillofacial surgery	IK Draganik, Beograd	2005				
		4.	Lotrik	Conduction anesthesia						

			in upper and lower jaw	
	5.	Perovik	Haemostasis and its	
			disorders in dental	
			practice	

Fifth semester

Ann	ex no.3						
		First, seco	nd and third cycle st	tudy	programme		
1.	Title of th	e course	Gnathology				
2.	Code		3MF149912				
3.	Study pro	gram	Graduated dental	techr	nician - prosthodontis	st	
4.	Holder of	the study program (unit,	Faculty of Medical	Scier	nces		
	i.e. institute, faculty, department)						
5.	Cycle (first, second, third cycle) First cycle						
6.	Academic	year / semester	Third/fifth 7. Number of ECTS 5 credits				
8.	Professor	(s)	Doc. Stipica Popov	ski			
9.	Requirem	ents for course enrolment	Enrolled third year	•			
10.	Aims of th	e study programme (compe	tencies):				
	Technical	part of making and adaptati	on apparatus that w	ill pr	ovide the planned fo	rmation	
		xillary bones.					
11.	Content o	f the study programme:					
	Theory:						
	- Introduc	tion to gnathology, objective	es and targets.				
		ogical aspects of occlusion					
		ents of occlusion.					
		n and articulation. Mandibul		nts.			
	- Physiolo	gical resting and central occl	usion.				

	- Articulatory.Facial arc.								
	- Funct	ional analysis stomatognat	ic syste	em.					
	- Prere	quisites for providing optin	nal occ	lusa	l conditions.				
	- Funct	ions stomatognatic system	ı.						
	- Obsta	acles and irregularities in fu	inction	sto	matognatic system.				
	- Treatment of obstacles and irregularities in function stomatognatic system.								
	- Proce	- Procedures of selectively scraping -modern occlusal schemes							
	Practic	al instruction:							
	- Occlu	sal principles and gnatholo	gical c	once	epts.				
	- Term	inology of Aufwachstechnil	k						
	- Mode	eling teeth after gnathologi	cal cor	ncep	t.				
	- Mode	eling the lower lateral bridg	ge.						
	- Mode	eling the cliffs bucal tubers							
	- Redu	ction of the wax model for	fasetir	ng ac	crylate.				
	- Mode	eling the upper frontal brid	ge.						
	- Mode	eling of the outer bridge in	the up	per	jaw.				
	- Positi	ion cones of palatal and bu	cal tub	ers.					
	- Fine r	modeling.							
	- Mode	eling teeth after gnathologi	cal cor	ncep	t - freedom in occlusio	on.			
12.	Metho	ds of learning: Lectures, p	reclinic	al la	boratory exercises, a	uditory	exercises	5,	
	consul	tations.							
13.	Total a	vailable time			5 KTS x 30=150				
14.	Distrib	ution of available time			30+30+15+10+65=1	50			
15.	Forms	of teaching activities	15.1	. I	ectures - theoretical	30 hours			
			15.2	. E	Exercise of laboratory,	oratory, 30 hours			
				S	seminar papers, team	work			
16.	Other	forms of activities	16.1	. F	Project tasks			15 hours	
			16.2	. 1	ndividual tasks			10 hours	
			16.3	.	Home learning			65 hours	
17.	Metho	d of assessment	1						
	17.1.	Tests						40 points	
	17.2.	Paper work/project (pres	entatic	on: v	vritten and oral)			10 points	
	17.3.	Activity and participation						10 points	
18.	Assess	ment Criteria (points / scor	e)		up to 50 points	5	(five)	(F)	
			-		from 51 to 60 points	6	(six)	(E)	
					from 61 to 70 points	7	(seven)	(D)	
					from 71 to 80 points	8	(eight)	(C)	

		from 81 to 90 points	9	(nine)	(B)		
		from 91 to 100 points	10	(ten)	(A)		
19.	Signature requirement and passing	Presence of lectures and exercises, gained at					
	the final exam	least 42 points from pre	e-exa	m activiti	es.		
20.	Language of conducting the lecturers	Macedonian					
21.	Method of monitoring the quality of	Self-evaluation					
	the lectures						

22. Liter	Literature									
	Oblig	Obligatory literature								
	No	Autors	Title	Editor	Year					
	1.	Guguvcehevski Lj.	Oclusion	Skopje	1997					
	2.	Suvin M	Dental occlusion	Zagreb	1991					
22.	.1. 3.									
	4.									
	5.									
			- ·							
	Aditi	onal literature								
	No	Autors	Title	Editor	Year					
	1.	Филипович В. и сарадн.	Ендодонција	Белград	2002					
22.	.2. 2.									
	3.									
	4.									
	5.									

Ann	ex No.3	Program of the C	Course - first/seco	nd/t	hird cycle studies			
1.	Title of t	he Course	Mobile prosthodo	ontic	s total denture 2			
2.	Code		3MF150712					
3.	Study Pr	ogram	Graduated dental	tech	nician - prosthodon	tics		
4.	Organize	er of the study program	Faculty of medical	scie	ences			
	(unit or i	nstitute, Faculty,						
	departm	ent)						
5.	Cycle (fi	rst, second and third	First cycle					
	cycle)							
6.	Academi	c year / semester	Third/fifth	7.	Number of	6		
					credits			
8.	Professo	or (s)	Prof. dr. Vankovsk	ki Vla	ido			
9.		nents for enrollment the						
	Course		Enrolment of third	year				
10.	Purpose	s of the curriculum (comp	petencies):					
	Biologic	al bases of complete dent	tures					
	Producir	ng a complete denture, wo	orking in phases a	nd d	enture repairing.			
11.	Content	of the course program:						
	Theoretical teaching units							
	Determine the position of the teeth in different skeletal relations .							
	Principle	es of balanced occlusion , o	definitively determine	e the	position of the late	eral		
	teeth .							
	Modeling the shape and relief of the total prosthesis							

 Techniques of modeling the shape of the total dentures . Rehearsal of the total
dentures and opportunities for corrections
 Methods for venture - cuveting of the total prosthesis
 Opening of cuvettes and removing wax , sealing
 acrylate, acrylate preparation and pressing of the cuvettes.
Methods for polymerization of acrylate
• Problems when working with acrylic . Processing and polishing of the total prosthesis
Ivokap system
 Imediate complete denture, the total prosthesis as sub structures over implants
 repairs of the total prostheses , methods of basing of the total prosthesis
Practical teaching units
 Definitely stacking of teeth , different occlusal concepts . Demonstration of choice
and place artificial teeth in various skeletal relations .
 Principles of balanced occlusion, definitively determine the position of the lateral
teeth . Rehearsal of occlusion and articulation , errors and needs for corrections of
prostheses.
 Modeling the shape and relief of the total dentures. Techniques of modeling the
shape of the total prosthesis
 Attempt of the total dentures and opportunities for corrections
 Methods for venture - civeting of the total dentures. Opening the cuvettes and
removing wax, sealing
 Acrylate , acrylate preparation and pressing the cuvettes . Methods for
polymerization of acrylate . Problems at work with acrylate
 Processing and polishing of the total prosthesis
Ivokap system
 Imediate complete denture - demonstration
The total repairs to dentures
 Methods for basing of the total prosthesis

The total prosthesis over implants as sub structures- demonstration

12.	Learning methods:								
	Lectur	Lecture, discussion, debate, individual tasks							
13.	Total	available time			6 KTS x 30=180				
13.		bution of available time			15+60+15+10+80=	180			
15.		s of teaching / learning	15.1		ectures / theoretica		15	hours	
10.	activi	U U	10.1		contact teaching,	•		nours	
					e-teaching				
			15.2		heoretical and prac	tical	60) hours	
				exercises, e-exams, preparation of					
					independent seminar work				
16.	Други	і форми на	16.1		Project tasks		15	hours	
	актив	ности	16.2	2. Individual tasks			10 hours		
			16.3	ŀ	Iome learning			hours	
17.	Mothe	od of assessment		<u> </u>				nouro	
17.	17.1.	Tests / oral exams					20	points	
	17.2.	Seminars (paper / proj	ect - n	ores	entation: written			points	
		and/or oral)	-						
	17.3.	Activity and participation	on					points	
18.		ssment Criteria (points /	-		up 50 points	5	(five)	(F)	
	score)		-		51 to 60 points	6	(six)	(E)	
			-		61 to 70 points 71 to 80 points	7 8	(seven)	(D)	
			-		81 to 90 points	о 9	(eight) (nine)	(C) (B)	
			-		91 to 100 points	10	(ten)	(A)	
19.	Signa	ture requirement and		Pre	sence of lectures and e		· ·		
	passing the final exam			42 points from pre-exam activities.					
20.	-	uage of teaching / study			cedonian	-			
		- • •							

21.	Method of monitoring the quality	Self-evaluation
	of teaching	

22.	Literature									
		Required literature								
		No.	Author	Title	Publisher	Year				
		1.	Mircev E	Pre-clinical total	NIP,,,Studentsk	2000.				
	22.1.			prosthodontics	i zbor " Skopje					
		2.	Jankulovska E.	Pre-clinical total	Faculty of	2005				
				prosthodontics	dentistry					
					Skopje					
		3.								
		Additional literature								
		No.	Author	Title	Publisher	Year				
	22.2.	1.	Gugucevski Lj. Dejanovski	Clinical of total	Ein-Sof					
	<i>LL</i> . <i>L</i> .		K. Velevski D	prosthodontics	Skopje					
		2.								
		3.								

Ann	Annex No.3 Program of the Course - first/second/thirdcyclestudies								
1.	Title of th	e Course	Mobile prostho	dontics - par	tial denture 2				
2.	Code		3MF150812						
3.	Study Pro	gram	Graduated dent	Graduated dental technician - prosthodontics					
4.	Organizer	of the study program(unit	Faculty of medio	cal science					
	orinstitut	e, Faculty, department)							
5.	Cycle (firs	t, second and third cycle)	First cycle						
6.	Academic	: year / semester	Third/fifth	7.	Number of credits	7			
8.	Professor	(s)	Prof d-r Vankov	ski Vlado					
9.	Requirem	ents for enrollment the							
	Course								
10.	Purposes	ofthe curriculum(competend	cies):						
	Biological	ogical basis and meaning of the partial denture in patient treatment.							
	Procedure	e for producing complete den	itures.						

Instruction Preparing models for producing occlusion rims (adapting base) and occlusion rims (wax). Instruction Determining interjaw relations in partial edentulism. Instruction Selections of artificial teeth for partial dentures, type, classifications, and methods for selection. Instruction Placement and arrangement of anterior and posterior teeth in partial dentures. Instruction Placement and arrangement of partial dentures. Instructions methods of the acrylics. Finishing and polishing of partial dentures. Interview and follow-up, instructions how to use and maintenance. Interview and follow-up, instructions how to use and maintenance. Interview and follow-up, instructions how to use and maintenance. Interview and follow-up, instructions how to use and maintenance. Interview and follow-up, instructions how to use and maintenance. Interview and follow-up, instructions how to use and maintenance. Interview and follow-up, instructions how to use and maintenance. Interview and follow-up, instructions how to use and maintenance. Interview and follow-up, instructions how to use and maintenance. Interview and follow-up, instructions how to use and maintenance. Interview and arrangement of partial dentures. Interview and follow-up, instructions how to use and transment. Practical teaching partial dentures. Interview and follow andital dentures. Interview and pa	1. Preparing models for producing occlusion rims (adapting base) and occlusion rims (wax). 2. Determining interjaw relations in partial dentuïes. 3. Dental articulators, facebows and fixing the models in articulator. 4. Selections of artificial teeth for partial dentures, type, classifications, and methods for selection. 5. Placement and arrangement of anterior and posterior teeth in partial dentures. 6. Methods for cuveting of partial dentures. 7. Polymerizations methods of the acrylics. 8. Finishing and polishing of partial dentures. 9. Fit of dentures and follow-up, instructions how to use and maintenance. 10. Repairs of removable partial dentures. 11. Immediate partial denture. 12. Complications during total prosthesis and their care and treatment. Practical teaching units: 1. Placement and arrangement of posterior teeth. 2. Placement and arrangement of posterior teeth. 3. Modeling partial dentures. 5. Polymerizations methods of the acrylics. 6. Finishing and polishing of partial dentures. 7. Methods for cuveting partial dentures. 8. Methods for reparation of broken denture, broken tooth, broken wire hook. 9. Producing immediate partial dentures. 10. Producing partial dentures with selective compression. 112. To determine the ente	11.	Content of the course program:								
 2. Determining interjaw relations in partial edentulism. 3. Dental articulators, facebows and fixing the models in articulator. 4. Selections of artificial teeth for partial dentures, type, classifications, and methods for selection. 5. Placement and arrangement of anterior and posterior teeth in partial dentures. 6. Methods for cuveting of partial dentures. 7. Polymerizations methods of the acrylics. 8. Finishing and polishing of partial dentures. 10. Repairs of removable partial dentures. 11. Immediate partial denture. 12. Complications during total prosthesis and their care and treatment. Practical teaching units: Placement and arrangement of posterior teeth. Polymerizations methods of the acrylics. Finishing and polishing of partial dentures. Polymerizations methods of the acrylics. Finishing and polishing of partial dentures. Polymerizations methods of the acrylics. Finishing and polishing of partial dentures. Polymerizations methods of the acrylics. Finishing and polishing of partial denture. Nethods for denure base repairing Methods for denure base repairing Methods for denure base repairing Methods for denure base repairing Total availabletime Total availabletime I total availabletime I total availabletime I total availabletime I total availabletime I total availabletime<!--</th--><th> 2. Determining interjaw relations in partial edentulism. 3. Dental articulators, facebows and fixing the models in articulator. 4. Selections of artificial teeth for partial dentures, type, classifications, and methods for selection. 5. Placement and arrangement of anterior and posterior teeth in partial dentures. 6. Methods for cuveting of partial dentures. 7. Polymerizations methods of the acrylics. 8. Finishing and polishing of partial dentures. 9. Fit of dentures and follow-up, instructions how to use and maintenance. 10. Repairs of removable partial dentures. 11. Immediate partial denture. 12. Complications during total prosthesis and their care and treatment. 7. Placement and arrangement of anterior teeth. 7. Placement and arrangement of posterior teeth. 7. Methods for cuveting partial dentures. 7. Methods for reparation of broken denture, broken tooth, broken wire hook. 9. Producing ilmergiate partial dentures. 7. Methods for reparation of broken denture, broken tooth, broken wire hook. 9. Producing ilmergiate partial denture. 10. Producing allergen free acrylate resin partial denture. 11. Producing partial dentures with selective compression. 12. To determine the entering directive compression. 13. Total availabletime 15. I lectures / theoretical - contact teaching ativities 15. I lectures / theoretical - contact teaching. 15. No example. 16.1. Lectures / theoretical - contact teaching. 15. No example. 16.2. theoretical andpractical exercises, e-exams, preparationofindep</th><th></th><th>Theory:</th><th></th><th></th><th></th><th></th>	 2. Determining interjaw relations in partial edentulism. 3. Dental articulators, facebows and fixing the models in articulator. 4. Selections of artificial teeth for partial dentures, type, classifications, and methods for selection. 5. Placement and arrangement of anterior and posterior teeth in partial dentures. 6. Methods for cuveting of partial dentures. 7. Polymerizations methods of the acrylics. 8. Finishing and polishing of partial dentures. 9. Fit of dentures and follow-up, instructions how to use and maintenance. 10. Repairs of removable partial dentures. 11. Immediate partial denture. 12. Complications during total prosthesis and their care and treatment. 7. Placement and arrangement of anterior teeth. 7. Placement and arrangement of posterior teeth. 7. Methods for cuveting partial dentures. 7. Methods for reparation of broken denture, broken tooth, broken wire hook. 9. Producing ilmergiate partial dentures. 7. Methods for reparation of broken denture, broken tooth, broken wire hook. 9. Producing ilmergiate partial denture. 10. Producing allergen free acrylate resin partial denture. 11. Producing partial dentures with selective compression. 12. To determine the entering directive compression. 13. Total availabletime 15. I lectures / theoretical - contact teaching ativities 15. I lectures / theoretical - contact teaching. 15. No example. 16.1. Lectures / theoretical - contact teaching. 15. No example. 16.2. theoretical andpractical exercises, e-exams, preparationofindep		Theory:								
 6. Methods for cuveting of partial dentures. 7. Ројутегіzations methods of the acrylics. 8. Finishing and polishing of partial dentures. 9. Fit of dentures and follow-up, instructions how to use and maintenance. 10. Repairs of removable partial dentures. 11. Immediate partial denture. 12. Complications during total prosthesis and their care and treatment. Practical teaching units: Placement and arrangement of anterior teeth. Placement and arrangement of posterior teeth. Modeling partial denture. Modeling partial denture. Methods for cuveting partial dentures. Polymerizations methods of the acrylics. Finishing and polishing of partial dentures. Polymerizations methods of the acrylics. Finishing and polishing of partial denture. Methods for cuveting partial denture. Methods for cuveting partial denture. Methods for denture base repairing Methods for reparation of broken denture, broken tooth, broken wire hook. Producing allergen free acrylate resin partial denture. Producing allergen free acrylate resin partial denture. Producing partial dentures with selective compression. To determine the entering direction of partial denture. 12. Learning methods: 7 KTS x 30=210 13. Total availabletime 15.1 Iccures / theoretical - contact teaching e-teaching e-teaching 15.1 Project tasks Project tasks To hours teaching 	6. Methods for cuveting of partial dentures. 7. Polymerizations methods of the acrylics. 8. Finishing and polishing of partial dentures. 9. Fit of dentures and follow-up, instructions how to use and maintenance. 10. Repairs of removable partial dentures. 11. Immediate partial dentures. 11. Immediate partial denture. 12. Complications during total prosthesis and their care and treatment. 12. Complications during total prosthesis and their care and treatment. 13. Modeling partial dentures. 13. Modeling and polishing of partial dentures. 14. Producing allergen free acrylate resin partial denture. 14. Distribution of availabletime 15.1. R Sa 30=210 14. Distribution of availabletime 15.1. Protectical - contact teaching. 15.2. Forms of teaching / learning activities are and practical exercises, e-exams, preparationofindependentseminar work 75 hours		 Determining interjaw relations in partial edentulism. Dental articulators, facebows and fixing the models in articulator. Selections of artificial teeth for partial dentures, type, classifications, and methods for 								
7. Роlymerizations methods of the acrylics. 8. Finishing and polishing of partial dentures. 9. Fit of dentures and follow-up, instructions how to use and maintenance. 10. Repairs of removable partial dentures. 11. Immediate partial denture. 12. Complications during total prosthesis and their care and treatment. Practical teaching units: 1. Placement and arrangement of anterior teeth. 2. Placement and arrangement of posterior teeth. 3. Modeling partial dentures. 4. Methods for covering partial dentures. 5. Polymerizations methods of the acrylics. 6. Finishing and polishing of partial dentures. 7. Methods for reparation of broken denture, broken tooth, broken wire hook. 9. Producing immediate partial denture. 10. Producing allergen free acrylate resin partial denture. 11. Producing allergen free acrylate resin partial denture. 12. Learning methods: 13. Total availabletime 7 KTS x 30=210 14. Distribution of availabletime 15-17. 15. Forms of teaching / learning activities 15-11. lectures / theoretical - contact teaching e-teaching e-exams, preparationofindependentseminar work 16. Други форми на активности 16.1. Project tasks 15 hours	7. Polymerizations methods of the acrylics. 8. Finishing and polishing of partial dentures. 9. Fit of dentures and follow-up, instructions how to use and maintenance. 10. Repairs of removable partial dentures. 11. Immediate partial denture. 12. Complications during total prosthesis and their care and treatment. Practical teaching units: 1. Placement and arrangement of anterior teeth. 2. Nodeling partial denture. 4. Methods for cuveting partial dentures. 5. Polymerizations methods of the acrylics. 6. Finishing and polishing of partial dentures. 7. Methods for reparation of broken denture, broken tooth, broken wire hook. 9. Producing immediate partial denture. 10. Producing allergen free acrylate resin partial denture. 11. Producing partial dentures with selective compression. 12. To determine the entering direct of partial denture. 13. Total availabletime 7 KTS x 30=210 14. Distribution of availabletime 15+75+15+10+95=210 15. Forms of teaching / learning activities 15+1 activities 15.1 Iectures / theoretical - contact teaching, e-teaching 15 hours e-teaching activities 15.1 Iectures / theoretical andpractical exercises, prepar						dentures.				
8. Finishing and polishing of partial dentures. 9. Fit of dentures and follow-up, instructions how to use and maintenance. 10. Repairs of removable partial dentures. 11. Immediate partial denture. 12. Complications during total prosthesis and their care and treatment. Practical teaching units: 1. Placement and arrangement of anterior teeth. 2. Placement and arrangement of posterior teeth. 3. Modeling partial denture. 4. Methods for cuveting partial dentures. 5. Polymerizations methods of the acrylics. 6. Finishing and polishing of partial dentures. 7. Methods for reparation of broken denture, broken tooth, broken wire hook. 9. Producing immediate partial denture. 10. Producing immediate partial denture. 11. To determine the entering direction of partial denture. 12. Learning methods: 13. Total availabletime 14. Distribution of availabletime 15.1. lectures / theoretical - contact teaching . activities 15.2. lectures / theoretical - contact teaching . is theoretical andpractical exercises, preparationofindependentseminar work 16. Други форми на активности	 8. Finishing and polishing of partial dentures. 9. Fit of dentures and follow-up, instructions how to use and maintenance. 10. Repairs of removable partial dentures. 11. Immediate partial denture. 12. Complications during total prosthesis and their care and treatment. Practical teaching units: Placement and arrangement of anterior teeth. Placement and arrangement of posterior teeth. Modeling partial dentures. Modeling partial dentures. Placement and arrangement of posterior teeth. Modeling partial dentures. Modeling partial dentures. Polymerizations methods of the acrylics. Finishing and polishing of partial dentures. Polymerizations methods of the acrylics. Finishing and polishing of partial denture. Methods for encure base repairing Methods for reparation of broken denture, broken tooth, broken wire hook. Producing allergen free acrylate resin partial denture. Producing apartial dentures with selective compression. To determine the entering direction of partial denture. Producing and partial dentures with selective compression. To determine the entering direction of partial denture. Producing allergen free acrylate resin partial denture.		C	•							
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11. Immediate partial denture. 12. Complications during total prosthesis and their care and treatment. Practical teaching units: 1. Placement and arrangement of anterior teeth. 2. Placement and arrangement of posterior teeth. 3. Modeling partial denture. 4. Methods for cuveting partial dentures. 5. Polymerizations methods of the acrylics. 6. Finishing and polishing of partial dentures. 7. Methods for reparation of broken denture, broken tooth, broken wire hook. 9. Producing immediate partial denture. 10. Producing allergen free acrylate resin partial denture. 11. Producing allergen free acrylate resin partial denture. 12. Nethods for reparation of broken denture, broken tooth, broken wire hook. 9. Producing allergen free acrylate resin partial denture. 10. Producing allergen free acrylate resin partial denture. 11. Producing partial dentures with selective compression. 12. Learning methods: 13. Total availabletime 7 KTS x 30=210 14. Distribution of availabletime 15.1. lectures / theoretical - contact teaching, e-teaching 15 hours activities 15.1. lectures / theoretical exercises, re-exams, preparationofindependentseminar work 75 hours l6.<	11. Immediate partial denture. 12. Complications during total prosthesis and their care and treatment. 12. Complications during total prosthesis and their care and treatment. Practical teaching units: 1. Placement and arrangement of posterior teeth. 2. Modeling partial denture. 3. Modeling partial dentures. 5. Polymerizations methods of the acrylics. 6. Finishing and polishing of partial dentures. 7. Methods for reparation of broken denture. 10. Producing allergen free acrylate resin partial denture. 11. Producing allergen free acrylate resin partial denture. 12. Learning methods: 13. Total availabletime 14. Distribution of availabletime 15. Forms of teaching / learning activities activities activities 15.1. Iterres' theoretical - contact teaching, "e-exams, preparationfindependentseminar work			-			ce.				
12. Complications during total prosthesis and their care and treatment. Practical teaching units: 1. Placement and arrangement of posterior teeth. 2. Placement and arrangement of posterior teeth. 3. Modeling partial denture. 4. Methods for cuveting partial dentures. 5. Polymerizations methods of the acrylics. 6. Finishing and polishing of partial dentures. 7. Methods for denture base repairing 8. Methods for reparation of broken denture, broken tooth, broken wire hook. 9. Producing immediate partial denture. 10. Producing partial dentures with selective compression. 12. To determine the entering direction of partial denture. 13. Total availabletime 7 KTS x 30=210 14. Distribution of availabletime 15+75+15+10+95=210 15. Forms of teaching / learning activities 15.1. lectures / theoretical - contact teaching, e-teaching 15.2. theoretical andpractical exercises, preparationofindependentseminar work 75 hours e-exams, preparationofindependentseminar work	12. Complications during total prosthesis and their care and treatment. Practical teaching units: 1. Placement and arrangement of anterior teeth. 2. Placement and arrangement of posterior teeth. 3. Modeling partial denture. 4. Methods for cuveting partial dentures. 5. Polymerizations methods of the acrylics. 6. Finishing and polishing of partial dentures. 7. Methods for reparation of broken denture, broken tooth, broken wire hook. 9. Producing immediate partial denture. 10. Producing allergen free acrylate resin partial denture. 11. Producing partial dentures with selective compression. 12. To determine the entering directive compression. 12. To determine the entering directive compression. 12. To determine the entering directive compression. 13. Total availabletime 7 KTS x 30=210 14. Distribution of availabletime 15+75+15+10+95=210 15. Forms of teaching / learning activities 15-12. lectures / theoretical - contact teaching. 15 hours e-exams, preparationofindependentseminar work				ntu	ires.					
Practical teaching units: 1. Placement and arrangement of posterior teeth. 2. Placement and arrangement of posterior teeth. 3. Modeling partial denture. 4. Methods for cuveting partial dentures. 5. Polymerizations methods of the acrylics. 6. Finishing and polishing of partial dentures. 7. Methods for denture base repairing 8. Methods for reparation of broken denture, broken tooth, broken wire hook. 9. Producing immediate partial denture. 10. Producing allergen free acrylate resin partial denture. 11. Producing partial dentures with selective compression. 12. Learning methods: 13. Total availabletime 7 KTS x 30=210 14. Distribution of availabletime 15:1. lectures / theoretical - contact teaching, e-teaching 15 hours teaching, e-teaching activities 15.1. lectures / theoretical - contact work 15 hours teaching, preparationofindependentseminar work 16. Други форми на активности 16.1. Project tasks 15 hours	Practical teaching units: Placement and arrangement of anterior teeth. Placement and arrangement of posterior teeth. Modeling partial denture. Methods for cuveting partial dentures. Polymerizations methods of the acrylics. Finishing and polishing of partial dentures. Polymerizations methods for the acrylics denture base repairing Methods for reparation of broken denture, broken tooth, broken wire hook. Producing immediate partial denture. Producing allergen free acrylate resin partial denture. Producing allergen free acrylate resin partial denture. Producing allergen free acrylate resin partial denture. To determine the entering directive compression. To determine the entering directive compression. To determine the entering directive compression. 12. Learning methods: 13. Total availabletime 14. Distribution of availabletime 15. Forms of teaching / learning activities activities 15.1.		-								
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14. Distribution of availabletime 15+75+15+10+95=210 15. Forms of teaching / learning activities 15.1. lectures / theoretical - contact teaching, e-teaching 15 hours 15. Istribution of availabletime 15.1. lectures / theoretical - contact teaching, e-teaching 15 hours 16. Други форми на активности 16.1. Project tasks 15 hours	14. Distribution of availabletime 15+75+15+10+95=210 15. Forms of teaching / learning activities 15.1. lectures / theoretical - contact teaching, e-teaching 15 hours 15. Iteaching, e-teaching 15.2. theoretical andpractical exercises, e-exams, preparationofindependentseminar work 75 hours	12.	 Placement and arrangement of anterior teeth. Placement and arrangement of posterior teeth. Modeling partial denture. Methods for cuveting partial dentures. Polymerizations methods of the acrylics. Finishing and polishing of partial dentures. Methods for denture base repairing Methods for reparation of broken denture, broken tooth, broken wire hook. Producing immediate partial denture. Producing allergen free acrylate resin partial denture. Producing partial dentures with selective compression. To determine the entering direction of partial denture. 								
15.Forms of teaching / learning activities15.1.lectures / theoretical - contact teaching, e-teaching15 hours15.2.15.2.theoretical andpractical exercises, e-exams, preparationofindependentseminar work75 hours16.Други форми на активности16.1.Project tasks15 hours	15. Forms of teaching / learning activities 15.1. lectures / theoretical - contact teaching, e-teaching 15 hours 15.1. lectures / theoretical - contact teaching, e-teaching 15 hours 15 hours 15.2. theoretical andpractical exercises, e-exams, preparationofindependentseminar work 75 hours	13.	Total availabletime			7 KTS x 30=210					
activitiesteaching, e-teaching15.2.theoretical andpractical exercises, e-exams, preparationofindependentseminar work75 hours16.Други форми на активности16.1.Project tasks15 hours	activities activities teaching, e-teaching 75 hours 15.2. theoretical andpractical exercises, e-exams, preparationofindependentseminar work 75 hours	14.	Distribution of availabletime			15+75+15+10+95=210					
activitiese-teaching15.2.theoretical andpractical exercises, e-exams, preparationofindependentseminar work75 hours16.Други форми на активности16.1.Project tasks15 hours	e-teaching 15.2. theoretical andpractical exercises, e-exams, preparationofindependentseminar work	15.	Forms of teaching / learning	15.1.	le	ctures / theoretical - contact	15 hours				
e-teaching15.2.theoretical andpractical exercises, e-exams, preparationofindependentseminar work75 hours16.Други форми на активности16.1.Project tasks15 hours	e-teaching 15.2. theoretical andpractical exercises, 75 hours e-exams, preparationofindependentseminar work		activities		te	aching,					
e-exams, preparationofindependentseminar work16.Други форми на активности16.1.Project tasks15 hours	e-exams, preparationofindependentseminar work			teaching							
Preparationofindependentseminar work16.Други форми на активности16.1.Project tasks15 hours	preparationofindependentseminar work		15.2. theoretical andpractical exercises,								
Истористи Mark 16. Други форми на активности 16.1. Project tasks 15 hours	work				e-	exams,					
16. Други форми на активности 16.1. Project tasks 15 hours					pr	reparation of independents eminar					
	16. Други форми на активности 16.1. Project tasks 15 hours										
		16.	Други форми на активности	16.1.	Pr	oject tasks	15 hours				
10 hours	16.2.Individual tasks10 hours			16.2.	In	dividual tasks	10 hours				

			16.3.	Home learning		95 hours	
17.	Metho	od of assessment	1				
	17.1.	Tests / oral exams				20 points	
	17.2.	Seminars (paper/project -	present	ation: written and/or oral)		10 points	
	17.3.	Activity and participation		7 points			
18.	Assess	ment Criteria(points /score)		up 50points	5(five)) (F)	
				51 to 60 points	6(six)	(E)	
				61 to 70 points	7 (sev	en) (D)	
				71 to 80 points	8 (eigł	nt) (C)	
				81 to 90 points	9 (nin	e) (B)	
				91 to 100 points	10 (te	n) (A)	
19.	Signat	ure	F	Presence of lectures and exercis	es, gair	ned at least 42	
	requirementandpassingthefinal exam			points from pre-exam activitie	es.		
20.	Langua	age ofteaching / study	Ν	Macedonian			
21.	. Method ofmonitoringthe quality of			Self-evaluation			
	teachi	ng					

	ire								
	Required literature								
	No.	Author	Title	Publisher	Year				
22.1.	1.	Dragoljub Veleski	Clinics and technics of	Faculty of	2010				
			cllasic partial prosthesis	dentistry,					
				Skopje					
	2.	Guguvcevski Lj.	Pre-clinics of partial	Skopje	2008				
			prosthodontics						
	3.								
	Additi	onal literature			1				
	No.	Author	Title	Publisher	Year				
22.2.	1.								
	2.								
	3.								

Annex no.3	
	First, second and third cycle study programme

1.	Title of the course	of the course Fixed prosthodontics 2							
2.	Code	3MF151312	3MF151312						
3.	Study program	Graduated dental to	echni	cian - prosthodontis	t				
4.	Holder of the study program (unit,	Faculty of Medical S	Scien	ces					
	i.e. institute, faculty, department)								
5.	Cycle (first, second, third cycle)	First cycle							
6.	Academic year / semester	Third/fifth	7.	Number of ECTS credits	7				
8.	Professor (s)	Doc. Gigovski Nikol	a		1				
9.	Requirements for course enrolment								
10.	Aims of the study programme (compe	etencies):							
	-Introduction to the development of f -Work on different phases of making		/ns						
11.	Content of the study programme:								
	 Theoretical teaching units Dental bridges - biological bases Parts of the bridge - the bridge role Division of bridges Prediction of future changes that would have occurred under the bridge and body of periodontium Biomechanics - static bridges Indications and contraindications for making various types of bridges Alternative solutions bridge 								
	 Stages in making crowns and bridges metaloceramic Making temporary crowns and bridges Errors in construction of bridges Definite remakes of bridges Polishing of bridge structures 								
	 Practical teaching units Analysis of models, making a plan for making a dental bridge Components of the bridge and its role Changes that occur on periodontium worning Bridge construction Division of bridges 								
	 Determine the number of carriers and members of the bridge Modeling carriers of bridge construction in front Modeling members of bridge construction in front Modeling carriers of bridge construction in lateral region 								

		eling of members of brid	•			egion		
		ing and venture bridges essing and adapting the						
		eting of the bridge const						
12.	Metho	ds of learning:						
13.	Total a	vailable time		7KTS x 30=210				
14.	Distribution of available time			15+75+15+10+95=210				
15.	Forms of teaching activities		15.1	. l	ectures - theoretical			15 hours
			15.2	. E	Exercise of laboratory,			75 hours
				seminar papers, team work				
16.	Other	Other forms of activities 1			Project tasks		15 hours	
		16.2	. I	ndividual tasks			10 hours	
		16			Home learning		95 hours	
17.	Method of assessment							
	17.1. Tests							20 points
	17.2. Paper work/project (presentati				written and oral)			10 points
	17.3.	17.3. Activity and participation						7 points
18.	Assess	ment Criteria (points / sco	ore)		up to 50 points	5	(five)	(F)
					from 51 to 60 points	6	(six)	(E)
					from 61 to 70 points	7	(seven)	(D)
					from 71 to 80 points	8	(eight)	(C)
					from 81 to 90 points	9	(nine)	(B)
				t	from 91 to 100 points	10	(ten)	(A)
19.	Signati	ure requirement and passi	ing	Pre	sence of lectures and	exercis	ses, gaine	d at
	the fin	al exam		lea	st 42 points from pre	-exan	n activitie	S.
20.	Langua	age of conducting the lectu	urers	Ma	cedonian			
21.	Metho	d of monitoring the qualit	y of	Inte	eractive communicatio	n of th	ne student	ts in the
	the lec	tures		lec	tures			

22.	Literatu	re								
		Requir	Required literature							
		No.	Author	Title	Publisher	Year				
	22.1.	1.	Mirchev E.	Preclinical fixed	Faculty of	2001				
				prosthodontics	dentistry	Skopje				
		2.	Trifunovic, Vujoshevic	Dental prosthodontics-	Europien	1998				

			fixed upgrades	centar for				
				peace				
				Beograd				
	3.	Radulovic Pantelic S	Dental prosthodontics-	Tehnoloski	1998			
			fixed upgrades part II	fakultet				
				Beograd				
	Additional literature							
	No.	Author	Title	Publisher	Year			
22.2.	1.							
	2.							
	3.							

Ann	ex No.3	Program o	of the Course - first/sec	ond/th	irdcyclestudies			
1.	Title of th	e Course	Esthetic dentistry					
2.	Code		3MF150312					
3.	Study Pro	gram	Graduated dental technician - prosthodontics					
4.		of the study program(unit	Faculty of medical scie	ence				
	orinstitut	e, Faculty, department)						
5.	Cycle (firs	t, second and third cycle)	First cycle					
6.	Academic	: year / semester	Third/fifth	7.	Number of credits	3		
8.	Professor	(s)	Doc. D-r. Stipica Popo	vski	l	1		
9.	Requirem Course	ents for enrollment the	Enrolment of third ye	ear				
10.	While stu	ofthe curriculum(competence udy of the subject will be elements, lines of lips, smile	presented: the princip	oles of	aesthetics, facial, d	ental and		
11.	Content o	ofthecourse program:						
	Content of the course program: Theory: Aesthetics as a function of the masticatory system. Principles of Aesthetics Elements of a dent-facial aesthetics Analysis of the dynamics of facial features Dental elements and morphology Gingival elements. physical elements							

	Practical teaching units: - Aesthetics as a fun	and par ns le const rints fro ction of	tial p tructi	ions										
	- Aesthetics of crown - Aesthetics of brodg - Preparations and p Practical teaching units: - Aesthetics as a fun - Principles of Aesthet	ns je const rints frc ction of	tructi	ions										
	 Aesthetics of brodg Preparations and p Practical teaching units: Aesthetics as a fun Principles of Aesthetics 	rints fro												
	- Preparations and p Practical teaching units: - Aesthetics as a fun - Principles of Aesthe	rints fro												
	Practical teaching units: - Aesthetics as a fun - Principles of Aesthe	ction of				- Preparations and prints from aesthetic aspect								
	 Aesthetics as a fun Principles of Aesthetics 													
	- Principles of Aesthe													
	•	 Aesthetics as a function of the masticatory system. 												
	 Elements of a dent- 	- Principles of Aesthetics												
1														
	- Analysis of the dyn													
	- Dental elements an	•												
	 Gingival elements. Dento-facial relation 		ai eie	ements										
	- Aesthetics of teeth	-	oth ro											
	- Aesthetics in total a													
	- Aesthetics in crown	•	aa p											
	- Aesthetics in mosto	-	nstru	ctions										
	- Preparations and p	rints the	e aes	sthetic aspect										
12.	Learning methods: Lectures, precl	inical lal	borat	ory exercises, auditory exe	rcises , c	consultations.								
13.	Total availabletime			3 KTS x 30=90										
	Distribution of availabletime			30+15+15+10+20=90ча	ica									
15.	Forms of teaching / learning	15.1.	lec	ctures / theoretical - conta	ct	30 hours								
		_		aching,										
	activities		e-teaching											
		45.0			••••	45								
		15.2.		eoretical andpractical exer	cises,	15 hours								
				exams,										
			-	eparationofindependentse	eminar									
16		16.1	_	ork Diest teeke		15 hours								
16.	Други форми на активности	16.1.	Pro	oject tasks		15 hours								
		16.2.	Inc	dividual tasks		10 hours								
		16.3.	Но	ome learning		20 hours								
17.	Method of assessment													
	17.1. Tests / oral exams					70 points								
	17.2. Seminars (paper/project -	- presen	tatio	n: written and/or oral)		10 points								
	17.3. Activity and participation					10 points								
18.	Assessment Criteria(points /score)		up 50points	5(five)	(F)								

		51 to 60 points	6(six) (E)
		61 to 70 points	7 (seven) (D)
		71 to 80 points	8 (eight) (C)
		81 to 90 points	9 (nine) (B)
		91 to 100 points	10 (ten) (A)
19.	Signature	Presence of lectures and exercise	ses, gained at least 42
	requirementandpassingthefinal exam	points from pre-exam activitie	es.
20.	Language ofteaching / study	Macedonian	
21.	Method ofmonitoringthe quality of	Self-evaluation	
	teaching		

. Lit	teratu	re				
		Requir	ed literature			
		No.	Author	Title	Publisher	Year
		1.		Autorised lessons		
2	22.1.	2.	Mirchev E.	Preclinical fixed prosthodontics	Faculty of dentistry	2001 Skopje
		3. Trifunovic, Vujoshevic		Dental prosthodontics- fixed upgrades	Europien centar for peace Beograd	1998 Београ
		Additi	onal literature			
		No.	Author	Title	Publisher	Year
2	22.2.	1.	Radulovic Pantelic S	Dental prosthodontics- fixed upgrades part II	Tehnoloski fakultet Beograd	1998
		2.			-	
		3.				

Ann	ex No.3	Program of the Course	- first/second/third cycle studies
1.	Title of th	ne Course	Oral hygiene
2.	Code		3MF161712
3.	Study Pr	ogram	
4.		er of the study program nstitute, Faculty, ent)	Faculty of medical science
5.	Cycle (fir	st, second and third	First cycle

	cycle)												
6.	Academic year / semester	Third/fifth	7.	Number of credits	2								
8.	Professor (s)	Prof. Minovska Ar	na										
9.	Requirements for enrollment the Course	Enroled third year											
10.	Purposes of the curriculum (compe	etencies):											
	To familiarize students with the me		nt, h	ome and ambulato	ry								
	maintain and improve oral hygiene												
11.	Content of the course program:												
	Theoretical lessons:												
	Introduction to the course a	•											
	Anamnestic data related to	oral hygiene and d	ental	I plaque detection									
	indices of dental plaque												
		Indices of tartar											
	 Plaque control Maintaining oral hygiene at 	homo											
	 Techniques of brushing tee 												
	 Caring for interdental space 												
	 Pharmacological agents in 		foral	hvaiene									
	 Pigmentation of the teeth a 		orai	nygiono									
	 Outpatient removal of denta 												
	 Pigmentation of the teeth a 	• •											
	 Maintenance of oral hygien 		osthe	etic implants and pa	atients								
	with	· •											
	 Maintenance of oral hygien 	e for patients with s	speci	al needs									
	 Motivation, re-motivation patient 	acientit, maintenanc	ce an	d evaluation of res	ults								
	Practical lessons												
	 Introduction to the course a 	and process of patie	ent ca	are									
	 Anamnestic data related to 	oral hygiene and d	ental	l plaque detection									
	indices of dental plaque												
	Indices of tartar												
	Plaque control	h e											
	Maintaining oral hygiene at Tachaigues of hypehing too												
	Techniques of brushing tee												
	 Caring for interdental space Pharmacological agents in 		Foral	hygiono									
	 Pigmentation of the teeth a 		Ulai	nygiene									
	 Outpatient removal of denta 												
	 Pigmentation of the teeth a 												
	 Maintenance of oral hygien 		osthe	etic implants and pa	atients								
	with		oound										
	 Maintenance of oral hygien 	e for patients with s	speci	al needs									
	 Motivation, re-motivation patient 	•			ults								
12.	Learning methods:												
	Lectures, practical exercises												

13.	Total available time			2EKTC x 30 =60			
14.	Distribution of available	time		15+15+15+5+10=6	0		
15.	Forms of teaching / lea activities	rning 15.1		lectures / theoretical - contact teaching, e-teaching	-	15 hours	
		15.2		theoretical and practi- exercises, e-exams, preparation independent seminar work	of	15 hours	
16.	Other forms of activities	s 16.′	1.	Project tasks		15 hours	
		16.2	2.	Individual tasks		5 hours	
		16.3	3.	Home learning		10 hours	
17.	Method of assessment					1	
	17.1. Tests / oral exa	ns	40 points				
	17.2. Seminars (paper and/or oral)	er / project -	pres	sentation: written	10 p	ooints	
	17.3. Activity and part	icipation			10 p	ooints	
18.	Assessment Criteria (p	oints /	up	50 points	5	(five)	(F)
	score)			to 60 points	6	(six)	(E)
				to 70 points	7	(seven)	(D)
			_	to 80 points	8	(eight)	(C)
			_	to 90 points	9	(nine)	(B)
40	Ciana atuma na antima na t	e ve el		to 100 points	10	(ten)	(A)
19.	Signature requirement passing the final exam	and		esence of lectures an ast 42 points from pre			ed at
20.	Language of teaching /	study		acedonian			
21.	Method of monitoring the of teaching	ne quality	Se	elf-evaluation			

22.	Literatu	re									
		Obliga	Obligatory literature								
		No	Autors	Title	Editor	Year					
		1.	Stavrevska-Minovska	Oral hygiene	Faculty of	2005					
			A., Pandilova M.,		dentistry,						
			Ivanovski K.		Skopje						
		2.	Newman MG, Takei HH,	Caranza's clinical	WB saunders	2001					
	22.1.		Carranza FA	periodontology	Company ,						
					Philadelphia ,						
					New York;						
					9th edition						
		3.									
		4.									

	5.				
	Aditior	nal literature			
	No	Autors	Title	Editor	Year
	1.				
22.2.	2.				
	3.				
	4.				
	5.				

Ann	ex no.3							
		First, seco	and third cycle s	tudy	programme			
1.	Title of th	e course	Restorative dentistry					
2.	Code		3MF108412					
3.	Study pro	ogram	Graduated dental	techi	nician - prosthodontist			
4.	Holder of the study program (unit,		Faculty of Medical	Scie	ences			
	i.e. institu	te, faculty, department)						
5.	Cycle (fir	st, second, third cycle)	First cycle					
6.	Academi	c year / semester	Third/fifth 7. Number of ECTS credits credits					
8.	Professo	r (s)	Prof. Ivona Kovachevska					
9.	Requirem enrolmen	nents for course t						
10.	Aims of t	ne study programme (comp	petencies):					
	The stud	ent should gain knowledge	e about the diseases	s of t	he hard dental tissues and			
	treatment	t of the same						
11.	Content of	of the study programme:						
	Theoretic	al course units						
	13. In	troduction, definition and c	lassification of the ca	ariog	jenic process			
	14. St	trong dental tissues, constr	uction, histology and	d exp	pansion of the cariogenic			
	pr	OCESS						

	15. Preparation of cavities fro	om I and	d V class according Black	
	16. Preparation of cavities from	om II an	d MOD class according Blac	k
	17. Preparation of cavities fro	om III ai	nd IV class according Black	
	18. Minimum invasive techni	ques of	preparation	
	19. Instruments, dry working	field, hi	gh engine machines	
	20. Application of indifferent	layers		
	21. Dental amalgam, applica	tion, ma	trix and holders	
	22. Composite resins - applie	cation		
	23. Glass ionomer cement -	indicatio	ons and application	
	24. Adhesive systems - type	s and a	oplication	
	Practical course programs			
	12.General knowledge about the	e caries	classification	
	13. Diagnostic methods of caries			
	14.Instruments in restorative der	ntistry		
	15.Hand tools			
	16. Principles and postulates of E	Black		
	17. Preparation of cavities (first a	nd fifth	class)	
	18. Preparation of cavities from I	I and M	OD class	
	19. Preparation of cavities from I	II and I\	/ class	
	20. Setting of layers			
	21. Restoration of prepared cavit	ies		
	22.Moulded fillings			
	23. Methods of preparation of inla	ау		
12.	Methods of learning:			
13.	Total available time		2EKTCx30=60	
14.	Distribution of available time		15+15+15+5+10=60	
15.	Forms of teaching activities	15.1.	Lectures - theoretical	15 hours
		15.2.	Exercise of laboratory,	15 hours
			seminar papers, team work	
16.	Other forms of activities	16.1.	Project tasks	15 hours
		16.2.	Individual tasks	5 hours
		16.3.	Home learning	10 hours
		•		

17.	Metho	d of assessment				
	17.1.	Tests		20	points	
	17.2.	Paper work/project (presentati	on: written and oral)		10) points
	17.3.	Activity and participation			7	' points
18.	Asses	sment Criteria (points / score)	up to 50 points	5	(five)	(F)
			from 51 to 60 points	6	(six)	(E)
			from 61 to 70 points	7	(seven)	(D)
			from 71 to 80 points	8	(eight)	(C)
			from 81 to 90 points	9	(nine)	(B)
			from 91 to 100 points	10	(ten)	(A)
19.	Signat	ture requirement and passing	Presence of lectures and	dexer	cises, gaine	ed at
	the fin	al exam	least 42 points from pre-	exam	activities.	
20.	Langu	age of conducting the	Macedonian			
	lecture	ers				
21.	Metho	d of monitoring the quality of	Interactive communication	on of tl	ne students	in the
	the lea	ctures	lectures			

22.	Literatu	ire								
		Obligatory literature								
		No.	Author	Title	Publisher	Year				
		1.	Kovachevska Ivona							
	22.1.	2.	James B. Smith, J. William Robins et all	Foundations of teeth restoration						
		3.	A. Demean Valmsli, Trevor Walsh et all.	Restorative dentistry						
		Additional literature								
		No.	Author	Title	Publisher	Year				
	22.2.	1.	Shutalo J	Pathology and therapy of strong dental tissues						
		2.	Olga Karadjov et all.	Preparation of cavities						
		3.								

Ann	ex no.3	First, seco	nd and third cycle study programme
1.	Title of th	e course	Sociology of health and illness
2.	Code		3MF123112

3.	Study program	Graduated dental	techr	nician - prosthodontist
4.	Holder of the study program (unit,	Faculty of Medical	Scie	ences
	i.e. institute, faculty, department)			
5.	Cycle (first, second, third cycle)	First cycle		
6.	Academic year / semester	Third/fifth	7.	Number of ECTS 2
				credits
8.	Professor (s)	Prof. Petrovski Vla	ado	
9.	Requirements for course enrolment			
10.	Aims of the study programme (comp	etencies):		
	Curriculum contribute mainly to the c	development of the f	follov	ving general and specific
	competences:	·		
	Teaching units contribute mainly to t	he development of t	the fo	bllowing general and
	specific competences			
	- To provide students with knowledge	e of basic features of	of the	sociology of health and
	illness ;			
	- Be familiar with health and disease	as the subject of th	e so	ciology of medicine ;
	- To gain knowledge about mental he	ealth and mental illn	iess ;	;
	- Students can learn the relationship	between the patien	t - do	octor;
	- To gain knowledge of alternative m	edicine .		
11.	Content of the study programme:			
	Sociology of Health and Illness, obje	ectives and developr	nent	
	The ratio of the sociology of health a	and illness and relate	ed so	iences;
	Origin and development of the socio	logy of health and il	Iness	3;
	Basic content and categories of soci	ology of health and	illnes	SS;
	Concepts of disease;			
	Mental health and mental illness;			
	Doctor-patient relationship;	of modified and the		
	Professions and professionalization	or medical practice;		
	Alternative Medicine;			

12.	Metho	ds of learning:						
	Lectur	es, exercises, debates, di	scussi	ions,	essays, consultation	is, indi	ividual and	group
	work,	papers and presentations						
13.	Total a	available time			2EKTS x 30=60			
14.	Distrib	oution of available time			15+15+15+5+10=60	C		
15.	Forms	s of teaching activities	15.1	. L	ectures - theoretical		1:	5 hours
			15.2	s	xercise of laboratory eminar papers, team /ork		1:	5 hours
16.	Other	forms of activities	16.1	. F	roject tasks		1:	5 hours
			16.2	. Ir	ndividual tasks			5 hours
			16.3	5. F	lome learning		1	0 hours
17.	Method of assessment						I	
	17.1.	Tests					40	points
	17.2.	Paper work/project (pres	entatio	on: w	ritten and oral)		1() points
	17.3.	Activity and participation					20) points
18.	Asses	sment Criteria (points / sc	ore)		up to 50 points	5	(five)	(F)
				1	from 51 to 60 points	6	(six)	(E)
				t	from 61 to 70 points	7	(seven)	(D)
				1	from 71 to 80 points	8	(eight)	(C)
				1	from 81 to 90 points	9	(nine)	(B)
				fr	om 91 to 100 points	10	(ten)	(A)
19.	Ŭ	ture requirement and pass	sing	Pre	sence of lectures and	dexer	cises, gaine	ed at
		al exam			st 42 points from pre-	exam	activities.	
20.	-	age of conducting the		Ma	cedonian			
	lecture							
21.		d of monitoring the quality	' of	Inte	ractive communication	on of t	he students	s in the
	the lea	ctures		lect	ures			

22.	Literatu	re				
		Obliga	atory literature			
		No.	Author	Title	Publisher	Year
		1.	Kostovski S., Sarkanjac	Medical sociology	Skopje	1999
	22.1.		В.			
		2.	Tasheva M.	Sociology	Filosophical	2003
					faculty	
					Skopje	

	3.	Petrovski V	Sociology	Pedagogical faculty	2006
	Additio	onal literature			
	No.	Author	Title	Publisher	Year
22.2.	1.	Markovic	Sociology	Nish	2011
	2.				
	3.				

Sixth semester

Ann	ex No.3 Subject program	n for first, second and third cycle of studies				
1.	Name of the subject	Skeleton denture				
2.	Code	3MF157512				
3.	Study program	Professional studies for dental technicians-				
		prosthodontists				
4.	Organizer of the study	Faculty of Medical Sciences- department of				
	program(unit, institute, desk,	dentistry				
	department)	Vocational studies				
5.	Degree (first, second, third cycle)	First cycle				
6.	Academic year/semester	III-6 7. Number of ECTS 6				
		credits				
8.	Tutor/mentor	Prof. Vlado Vankovski PhD				
9.	Conditions for listening the subject					
10.	Goals of the subject program					
	 Technical production of meta students in all phases to the 	al skeleton dentures with active participation of completion of the process				
11.	Contents of the study program:					
	Theoretical units:					
		n denture. Impressions for making metal skeleton				
	denture-anatomic and function					
	Classification of metal skelet					
	 Advantages, imperfections, i skeleton denture 	ndications and contraindications for making metal				
		re. Gingival part of the metal skeleton denture				
	(types of saddle)					
	 Shapes of a big conector in skeleton denture (analysis of 	upper and lower denture. Dental part of the metal f the model and planning)				
		tial dentures. Cast retention hocks NEY and other cations, advantages and imperfections				
	 Application of doubling and v production of the skeleton. 	ways of doubling. Types of modeling and technical				

	skeleton and fine processMaking biting templates a	sing and dete	achining of the skeleton . Pl ermining inter jaw relations .	Fixation patterns in
	•	al dentu	ng of teeth in front and side e and making forgus . Proce	
	 Types of paralelometars 	and mil and the	ling devices , analysis mode plains leading skeleton parti	
	•		skeleton prosthesis . Gene	ral characteristics
	 Extracrown atechmens, in skeletion partial dentur 		dikular , obstacles . Proofre	ading and repairs
	Practical units			
	 Taking impressions window preparing working model 		on and hydrocolloid imp	ression materials.
	 Determining the classe paralelometer 	es of p	partial adentia. Marking t	he models on a
	Doubling the model. Mod	leling of	the metal skeleton of the de	nture in wax
	 Modeling of the metal sl Modeling of the retention 		of the denture with semi prots (NEY hocks)	epared wax mould.
	Shtivting of the modeled	skeletor	in wax. Casting of the meta	al skeleton .
	determinining inter jaw re	lations.	e skeleton . Making zagri	
	 Selection of artificial teet 	n . Stack	king the teeth in frontal regio	n.
	•		gion . Modeling partial skele	
		dentures	s with making forgusi . Polyr	nerization of partial
	skeleton dentures.			.
	0		ning skeleton partial dentu	•
			netal partial skeleton dentur . Assembling atechmen m	
	• Modeling of dedicated (button)		. Assembling alechimen m	auix (Daiilei alla
	,	rutches	. Lecture skeletiranata pros	sthesis and tips for
	properly wearing the sam		Pro-	
12.	Methods of studying :			
13.	Total available lesson fond		105 lessons	
14.	Distribution of the lesson fond		2+4+1	
15.	Types of educational activities	15.1.	Lectures-theoretical	30 lessons
			education	
		15.2.	Practical lectures	60 lessons
			(laboratory, auditory)	
L			seminars, team work	
16.	Other types of activities	16.1.	Project exercises	5 lessons

				16.2	. Ir	ndependent exercises	S	5lesso	ons	
				16.3	. ⊦	lome studying		5 lesso	ons	
17.	7 5 5									
	17.1.	Tests						20 poi	nts	
	17.2.	Seminal	r work/project (pre	esenta	tion	: written and oral)		10 poi	nts	
	17.3.	Active p	articipation					7 poi	nts	
18.	Grading criteria(points/grade)					Up to 50 points		5 (five)	(F)	
						rom 51 to 60 points		6 (six)	(E)	
						rom 61 to 70 points		7 (seven)	(D)	
						rom 71 to 80 points		8 (eight)		
						rom 81 to 90 points		9 (nine)	· ·	
					Fro	om 91 to 100 points		10 (ten)	(A)	
19.			gnature and taking	ga						
20.		aminatio			Ma	cedonian				
	-	age of le								
21.	Ivietnoo		wing the lectures		Inte	eractive participation of	of stu	dents		
22.	Literat	ure								
		Comp	ulsory literature							
		No.	Author			Title		Publisher	Ye	
		1.	Prof. Dragoljub	Velesl	ki	Clinic and technique	es	Faculty of	201	
			PhD			of partial dentures-		Dentistry-		
						volume 2(metal		Skopje		
	22.1.					skeleton denture				
						authorized lectures)				
		2.	Prof. Dragoljub	Veles	ki	Clinic and technique	es			
			PhD			of partial dentures-				
						volume 2-komplex				
		۸ dd:+:	onal literature			dentures				
		Additi				•				

Ann	ex no.3	First, sec	ond and third cycle study programme
1.	Title of th	e course	Craniofacial prostodontics
2.	Code		3MF157612

Title

Metal skeleton denture

Partial dentures

Publisher

Belgrade

Year

1998

No.

1.

2.

3.

22.2.

Author

Stamenkovic Nastic

Babic

3.	Study program	Graduated dental technician - prosthodontist -							
		vocational studies							
4.	Holder of the study program (unit,	Faculty of Medica	Faculty of Medical Sciences						
	i.e. institute, faculty, department)	Faculty - Vocation	aculty - Vocational school						
5.	Cycle (first, second, third cycle) First cycle								
6.	Academic year / semester	III-6	7.	Number of ECTS	3				
				credits					
8.	Professor (s)	Prof. D-r Dragoljub Veleski							
9.	Requirements for course enrolment								
10.	Aims of the study programme (competencies):								
11.	Content of the study programme:								
	Theoretical teaching units								
	 Introduction and terminology in cranio-facial prostodontics Meaning of appliances and braces in cranio-facial prostodontics Terms in descriptive and topografical anatomy Dental extraction and imediate prostodontics Treatment of oro-facial trauma - fractures of the mandibule Apparatus and surgical prostheses in maxillofacial trauma Fractures and treatment of maxillary and facial bone fractures (maxilla an zigomatic bone) Ruptures and other birth defects in cranio-facial region Treatment of dentoalveolar injuries and rehabilitation prostodontics Treatment of traumatic lesions of the soft tissues of the face and mouth Treatment maxillofacial tumors with appliances and surgical prostheses (opturatori) and resekcioni dentures - clinical and laboratory procedures Epitezis Practical teaching units Introduction and terminology incranio-facial prosthetics Meaning of appliances and braces in cranio-facial prosthetics Terms in descriptive and topografical anatomy Dental extraction and imediat prostodontics Treatment of oro-maksilofacijal trauma - fractures of the mandibule Apparatus and surgical prostheses in cranio-facial prosthetics Terms in descriptive and topografical anatomy Dental extraction and imediat prostodontics Treatment of oro-maksilofacijal trauma - fractures of the mandibule Apparatus and surgical prostheses in maxillofacial trauma Fractures and treatment of maxillary and facial bone fractures maxilla and zigomatic bone Ruptures and other birth defects in cranio-facial region Treatment of dentoalveolar injuries and rehabilitation prostodontics 								
	• Treatment of traumatic lesions of the soft tissues of the face and mouth								
	 Treatment maxillofacial tumors with appliances and surgical prostheses (opturatori) 								

	and rese • Epitezi		dentures - clinica	al and l	aboi	atory procedures				
12.	Methods	s of lear	ning:							
13.	Total av	ailable	time			60				
14.	Distribution of available time					2+1+1				
15.	Forms c	of teachi	ng activities	15.1	. L	ectures - theoretical		3	0 hou	rs
				15.2	s	xercise of laboratory eminar papers, team /ork		1	5 hou	rs
16.	Other fo	orms of a	activities	16.1	. F	Project tasks		5	hour	s
				16.2	. h	ndividual tasks			5 hou	rs
				16.3	. ト	lome learning			5 hou	rs
17.	Method	of asse	ssment							
	17.1. Tests							20) poin	ts
	17.2. F	Paper w	ork/project (pres	entatio	on: written and oral)			10 points		ts
	17.3. <i>F</i>	Activity a	and participation					-	7 poin	ts
18.	Assessr	nent Cr	iteria (points / sc	ore)		up to 50 points	5	(five)	(F)	1
					f	rom 51 to 60 points	6	(six)	(E)	1
					f	rom 61 to 70 points	7	(seven)	(D))
					f	rom 71 to 80 points	8	(eight)	(C)	
					f	rom 81 to 90 points	9	(nine)	(B)	
					fro	om 91 to 100 points	10	(ten)	(A)	
19.	Signatu	re requi	rement and pass	sing						
	the final									
20.	Langua	ge of co	nducting the		Ma	cedonian				
	lecturers									
21.			toring the quality	/ of		ractive communicati	on of t	the student	s in th	e
	the lectures					ures				
22.	Literat	ure								
		-	red literature							
		No.	Author			Title		Publish	er	
	22.1.	1.	Proff.Dr Dragol Veleski	jub		Autorized lectures				
		2.								
		3.								

	Addi	tional literature			
	No	Author	Title	Publisher	
22.2.	1.				
	2.				
	3.				

Ann	ex no.3	First, second	d and third cycle	stud	y programme		
1.	Title of th	e course	Dental Implantology				
2.	Code		3MF154912				
3.	Study pro	ogram	Graduated denta vocational studie		nnician - prosthod	ontist -	
4.		the study program (unit, ite, faculty, department)	Faculty of Medica	al Sci	iences		
5.	Cycle (firs	st, second, third cycle)	First cycle				
6.	Academic	c year / semester	III/6	7.	Number of ECTS credits	3	
8.	Professo	r (s)	Prof. dr. Vlado Va	anko	vski		
9.	Requirem enrolmen	nents for course t	Enrolled thirth ye	ar			
10.	- Modern - Techniq	ne study programme (com systems of dental implant ues for insertion of dental suprastrukturi dental impla	s implants, features	i			
11.	Theory: - Historica - Use of k - Basic pl funcional - Surgical - Muscles insertion - Primary - Schedul	of the study programme: al aspects of oral implanto biomaterial and the importany siological processes of t nosta. I Anatomy of facial bones s, nerves and arteries in the of implants. retention and stabilization ling patient for Implantolog g cuts, choice of implants	ance of biomechar pone, its recovery, their classification te orofacial region of the implants. gy (patient selectio	nics in matu and t	uration and mean their importance f eir introduction, h	or istory).	

	Transdental implants.						
	- Transplantation of soft and h	ard tiss	sues. Embed allogeneic	mate	rials, artif	icial	
	bone - Complications during implantation, mucositis and perimplantitis. Augumentation.						
	- Sinus lift and transposition of n. mentalis. Prosthetic rehabilitation implants						
	Practical instruction:						
	 History of oral implantology a Use the biomaterial and the i 			oral i	mplantolo		
	- Basic physiological processe	•			•	0.	
	funcionalnosta.						
	- Surgical anatomy of maxillar				-		
	 Muscles, nerves and arteries installation of implants. 	in the	ororacial region and the	er sig	nincance	IOr	
	- Retention and stabilization of	f prima	ry implants.				
	- Planning for implantology pa					ory).	
	 Planning of cuts, selection of Implantoloshki systems. 	Implar	nts and transmukozaina	upgra	ades.		
	- Installation of implants in cha	arge of	toothed postekstrakcion	a wo	und.		
	- Transplantation of soft and h						
	 Local and systemic complica Planning for future upgrades 						
	- Planning for future upgrades of prosthetic implants.						
12.	Methods of learning: Lectures, preclinical laboratory exercises, consultations.						
1							
						13.	
13.	Total available time		48			13.	
	Total available time Distribution of available time						
13.		15.1	48			30 hours	
13. 14.	Distribution of available time		48 2+1+1 . Lectures - theoretica . Exercise of laborator	l y,			
13. 14.	Distribution of available time	15.1	48 2+1+1 . Lectures - theoretica . Exercise of laborator seminar papers, tear	l y,		30 hours	
13. 14.	Distribution of available time	15.1	48 2+1+1 . Lectures - theoretica . Exercise of laborator seminar papers, tear work	l y,		30 hours	
13. 14. 15.	Distribution of available time Forms of teaching activities	15.1	48 2+1+1 Lectures - theoretica Exercise of laborator seminar papers, tear work Project tasks	l y,		30 hours 15 hours	
13. 14. 15.	Distribution of available time Forms of teaching activities	15.1 15.2 16.1	48 2+1+1 . Lectures - theoretica . Exercise of laborator seminar papers, tear work . Project tasks	l y,		30 hours 15 hours	
13. 14. 15.	Distribution of available time Forms of teaching activities	15.1 15.2 16.1	48 2+1+1 . Lectures - theoretica . Exercise of laborator seminar papers, tear work . Project tasks . Individual tasks	l y,		30 hours 15 hours	
13. 14. 15.	Distribution of available time Forms of teaching activities	15.1 15.2 16.1 16.2 16.3	48 2+1+1 Lectures - theoretica Exercise of laborator seminar papers, tear work Project tasks Individual tasks Home learning	l y, n	5hours	30 hours 15 hours 5hours 5 hours	
13. 14. 15.	Distribution of available time Forms of teaching activities Other forms of activities	15.1 15.2 16.1 16.2 16.3	48 2+1+1 Lectures - theoretica Exercise of laborator seminar papers, tear work Project tasks Individual tasks Home learning	l y, n	5hours consultati	30 hours 15 hours 5hours 5 hours	
13. 14. 15.	Distribution of available time Forms of teaching activities Other forms of activities Method of assessment Lecture	15.1 15.2 16.1 16.2 16.3 es, prec	48 2+1+1 Lectures - theoretica Exercise of laborator seminar papers, tear work Project tasks Individual tasks Home learning	l y, n	5hours consultati	30 hours 15 hours 5hours 5 hours ons.	
13. 14. 15.	Distribution of available time Forms of teaching activities Other forms of activities Method of assessment Lecture 17.1. Tests	15.1 15.2 16.1 16.2 16.3 es, pres	48 2+1+1 Lectures - theoretica Exercise of laborator seminar papers, tear work Project tasks Individual tasks Home learning	l y, n	5hours consultati 4	30 hours 15 hours 5 hours ons. 0 points	
13. 14. 15.	Distribution of available time Forms of teaching activities Other forms of activities Method of assessment Lecture 17.1. Tests 17.2. Paper work/project (pression)	15.1 15.2 16.1 16.2 16.3 es, pres	48 2+1+1 Lectures - theoretica Exercise of laborator seminar papers, tear work Project tasks Individual tasks Home learning	l y, n	5hours consultati 4	30 hours 15 hours 5 hours ons. 0 points 0 points	
13. 14. 15. 16.	Distribution of available time Forms of teaching activities Other forms of activities Method of assessment Lecture 17.1. Tests 17.2. Paper work/project (pressure) 17.3. Activity and participation	15.1 15.2 16.1 16.2 16.3 es, pres	48 2+1+1 Lectures - theoretica Exercise of laborator seminar papers, tear work Project tasks Individual tasks Home learning clinical laboratory exerci	I y, n	5hours consultati 4	30 hours 15 hours 5 hours 0 points 0 points 10 points	

			(D)		
		from 71 to 80 points	8	(eight)	(C)
		from 81 to 90 points	9	(nine)	(B)
		from 91 to 100 points	10	(ten)	(A)
19.	Signature requirement and	Regularity and activity	of theo	pretical and	
	passing the final exam	practical classes, independent project			
		assignment, passed the	e prac	tical exam	
20.	Language of conducting the	Macedonian			
	lecturers				
21.	Method of monitoring the quality of	Interactive communicat	tion of	the studen	ts in
	the lectures	the lectures			

22.	Literatu	ire				
		Obliga	atory literature			
		No	Autors	Title	Editor	Year
		1.	Vankovski Vlado	Dental		2005
				superstructure		
				over implants		
	22.1.					
		2.	Carl E.Misch	"Contemporary Implant Dentistry",3rd ed	. Mosby,	2007.
		3.				
		4.				
		5.				
		Aditio	nal literature			
		No	Autors	Title	Editor	Year
		1.	Peterson L.	"Contemporary Oral and Maxillofacial	Mosby	1998.
	22.2.			Surgery", 3rd ed.,		
		2.				
		3.				
		4.				
		5.				

Annex No.3	
	Program of the Course - first/second/third cycle studies

1.	Title of the Course	Dental ceramics				
2.	Code	3MF151612				
3.	Study Program	Graduated dental technician - prosthodontics'				
4.	Organizer of the study program	University Goce Delcev				
	(unit or institute, Faculty,	Faculty of medical sciences				
		Department of pro	stho	dontics' and ortho	paedics	
	department)	of teeth and jaws				
5.	Cycle (first, second and third	First cycle				
	cycle)					
6.	Academic year / semester	THIRD	7.	Number of	4	
		6 th semester		credits		
8.	Professor (s)	Prof. Dr. Ivona Ko	ovach	nevska		
9.	Requirements for enrollment the	Enrolment in 6 th semester				
10.	Course Purposes of the curriculum (com					
	Introduction with the indications, cor metal – ceramic and all ceramic fixe		lechi	lical procedures h	or making	
11.	Content of the course program:					
	Theoretical teaching unit					
	13. Ceramic material, types, con	nposition and chara	cteris	stics		
	14. Working with ceramic materi	als				
	15. Impressions, casting a worki	-				
	16. Preparing the stone abutmer			metal ceramic cro	owns	
	17. Investing the wax model in fi					
	 Application of opaque on me enamel mass. 	tal, backing, applica	ation	of cervical, dentin	al and	
	19. Veneering of posterior crown	IS				
	20. Producing metal ceramic brid	dge				
	21. Veneering of the metal const	ruction for metal ce	rami	c bridge		
	22. Porcelain jacket crown					
	23. Vita in ceram					
	24. Superstructures over implar	its				

	Practical teaching units							
	1. Ceramic material, types, composition and characteristics							
	2. Working with ceramic materials							
	3. Impressions, casting a working models and fixation							
	4.	Preparing the stone abut	ment, m	olding a copings for metal co	eramic crowns			
	5.	Investing the wax model	in fire-re	esistant material				
	6.	Application of opaque on	metal, l	backing, application of cervic	al, dentinal and			
		enamel mass.						
	7.	Veneering of posterior cr	owns					
	8.	Producing metal ceramic	bridge					
	9.	Veneering of the metal co	onstruct	on for metal ceramic bridge				
	10.	Porcelain jacket crown						
	11.	Vita in ceram						
	12.	Superstructures over imp	plants					
12.	Learni	ng methods:						
		e, discussion, debate, coo tion of outside teaching ch	-	e learning techniques, individ	ual tasks,			
	Simula							
13.	Total a	vailable time		120				
14.	Distrik	oution of available time		2+5+1 / per week				
15.	Forms	of teaching / learning	15.1.	lectures / theoretical -	30classes			
	activit			contact teaching,				
1				e-teaching				
				-				
			15.2.	theoretical and practical	75			
			15.2.	theoretical and practical exercises,	75 classes			
			15.2.	theoretical and practical				
16.	0	forms of activities	15.2.	theoretical and practical exercises, e-exams, preparation of				

			16.2.	Individual tasks			5hours
			16.3.	Home learning			ōhours
17.	Metho	od of assessment				1	
	17.1.	Tests / oral exams				70	points
	17.2.	Seminars (paper / proje and/or oral)	ect - pr	esentation: written		10	points
	17.3.	Activity and participation	on			20	points
18.	Asses	ssment Criteria (points /		up 50 points	5	(five)	(F)
	score)		51 to 60 points	6	(six)	(E)
				61 to 70 points	7	(seven)	(D)
				71 to 80 points	8	(eight)	(C)
				81 to 90 points	9	(nine)	(B)
				91 to 100 points	10	(ten)	(A)
19.	Signa	ture requirement and					
	passi	ng the final exam					
20.	Langu	uage of teaching / study	ſ	Macedonian			
21.	Metho	od of monitoring the qual	lity (Continuous: reflection	and e	evaluation of	of
	of tea	ching	s	students.			
			I	n phases: self-evaluat	ion in	ternal and	
			e	external evaluation			

22.	Literat	ure				
Ī		Requi	ired literature			
		No.	Author	Title	Publisher	Year
		1.	Šabanov E.	authorized lectures		
	22.1.	2.	Mirčev.E	Preclinic fixed prosthodontics	NIP , Skopje	1996
		3.	Trifunovik D., Vujoševik	prosthodontics -Fixed	Univerzity in	1998
			L.	structures.	Belgrade	
Ī		Addit	ional literature		•	
		No.	Author	Title	Publisher	Year
	22.2.	1.	Radlovik-Pantelik S.,	prosthodontics	Univerzity in	1998
	<i>LL</i> . <i>L</i> .				Belgrade	
		2.				
		3.				

Annex No.3	Program of the Course - first/second/third cycle studies

1.	Title of the Course	Oral surgery						
2.	Code	3MF157512						
3.	Study Program	Professional studies for graduate professional dental technician - prosthodontists						
4.	Organizer of the study program	University Goce D	elce	v				
		Faculty of medical science						
	(unit or institute, Faculty,	Department of ora		d maxillofacial su	rgery and			
	department)	dental implantolog	IУ					
5.	Cycle (first, second and third	First cycle						
	cycle)							
6.	Academic year / semester	2012/13	7.	Number of	4			
		VI		credits				
8.	Professor (s)	Assist. Prof d-r Ce	ena D	Dimova				
9.	Requirements for enrollment the Course	Enrolled in third ye	ear o	f studies				
10.	Purposes of the curriculum (com	 petencies):						
	Concepts in oral surgery (Local and	-	nesia	, exodontia, acut	e dental			
	infections, bleeding, cysts, pre prost	hetic interventions						
11.	Content of the course program:							
	Theory:							
	- History and use of oral-surg	gical anatomy						
	 Local anesthetics and anes 	thetics						
	- Techniques of dental tooth		S					
	- Chronic per apical processe							
	- Postoperative treatment of	•	erativ	e wound				
	- Acute and chronic dental in	tections						
	 Bleeding and hemostasis Implantology in the oral and 	facial region						
	- Preprosthetic surgery of so	•						
	- Diseases and injuries of ne							
	- Cysts of the jaw and soft tis							
	- Tumors in the oral surgery.							
	Work in practice - practical c	lasses:						
	- Patient history and examination	ation of the patient						
	 Local anesthetics and anest 							
	- Techniques of dental tooth		S					
	- Chronic per apical processe							
	- Postoperative treatment of		rativ	e wouna				
	 Acute and chronic dental in Blooding and homostasis 	rections						
	 Bleeding and hemostasis Implantology in the orofacia 	l region						
	- Preprosthetic surgery of so	-						
	- Freprositienc surgery of so	n anu natu ussues						

	 Diseases and injuries of nerves Cysts of the jaw and soft tissue Tumors in the oral surgery 									
12.	Learning methods: Lectures, auditoria exercises, consultations.									
13.	Total available time 60									
14.	Distribution of available time 2+1+1 / per week									
15.	Forms of teaching / learning	15.1	lectures / theoretica	I -	3	0 hours				
	activities		contact teaching, e-teaching							
	15.2. theoretical and prace exercises, e-exams, preparatio independent semina work			n of	1	5 hours				
16.	Other forms of activities	16.1	Project tasks		5 hours					
		16.2	Individual tasks	5 h		5 hours				
		16.3	Home learning		5	i hours				
17.	Method of assessment									
	17.1. Tests / oral exams			(20+	20+30)=70	points				
	17.2. Seminars (paper / proj and/or oral)		resentation: written	10 points						
	17.3. Activity and participation	on			20	points				
18.	Assessment Criteria (points /		up 50 points	5	(five)	(F)				
	score)		51 to 60 points	6	(six)	(E)				
			61 to 70 points	7	(seven)	(D)				
			71 to 80 points	8	(eight)	(C)				
			81 to 90 points	9	(nine)	(B)				
			91 to 100 points	10	(ten)	(A)				
19.	Signature requirement and passing the final exam		 Regularity and activity theoretical and practical instruction, independent project work, project task group First Requirement for signature - regularity of theoretical and practical instruction, Second Requirement for passing the final exam - achieved 42 points (or 60%). (Rating is obtained after passing the final examination which may be oral or written) 							
20.	Language of teaching / study		Macedonian	/						

21.	Method of monitoring the quality	Supporting the evaluation of students and Self-
	of teaching	evaluation

22.	Literat	Literature										
		Required literature										
		No.	Author	Title	Publisher	Year						
	22.1.	1.	Dimova Cena	Oral surgery – authorized lectures	UGD	2013						
		2.	Peterson L.	"Contemporary Oral and Maxillofacial Surgery", 3rd ed.,	Mosby	1998.						
		3.										
		Additional literature										
		No.	Author	Title	Publisher	Year						
	22.2.	1.	Todorovic et al	Oral surgery	Nauka, Beograd	2002						
		2.										
		3.										

Ann	ex no.3	First, seco	nd and third cycle	stu	dy program		
1.	Title of th	e course	Dental therapy				
2.	Code		3MF162212				
3.	Study pro	ogram	Graduated dental technician - prosthodontist - vocational studies				
4.		the study program (unit, ite, faculty, department)	FMS (Faculty of Medical Sciences)				
5.	Cycle (firs	st, second, third cycle)	First cycle				
6.	Academi	c year / semester	3 / 6 sem.	7.	Number of ECTS credits	2	
8.	Professo	r (s)	Prof.D-r. Ivona Kovachevska				
9.	Requirem	nents for course enrolment	Enrolled in III academic year Attended Restorative dentistry				
10.	Aims of th	ne study programme (comp	•				

	Students should learn the pathological changes of the pulp tissue, diagnostic and									
	therapeutic procedures.									
11.	Content of the study programme:									
	Theoretical course units									
	1. Introduction. Pulp: anatomy, histology, topography, functions									
		versible diseases of the pulp - hyperaemia								
	 Acute inflammations of the pulp - c 									
	pathogenesis, diagnosis									
	 Asymptomatic diseases of the pulp 	. Chronically inflammations of the pulp								
	5. Necroses and gangrenes									
		al postulates, methods and techniques								
	7. Phases of endodontic therapy									
	8. Manual techniques of intra canal p	reparation								
	9. Medicaments and means of canal	•								
	10. Intra canal obturation-materials and	d techniques								
	11. Apical periodontitis									
	12. Therapy of apical periodontitis									
	Practical course programs									
	1. Hyperaemia of the pulp - symptom	atology								
	2. Acute inflammations of the pulp, pr	oviding first aid								
	3. Endodontic treatment - mortal meth	nod								
	4. Endodontic treatment - vital metho	d								
	5. Topography, ergonomic approach to ca	avum pulpae								
	6. Trepanation, extirpation of coronary an	d canal pulp								
	7. Techniques of manual canal preparation	n								
	8. Medicaments of intra canal irrigation									
	9. Canal obturation									
	10.Treating teeth with necrosis									
	11.Treating teeth with gangrene									
	12.Endodontic treatment of teeth with apic	al periodontitis								
12.	Methods of learning:									
13.	Total available time	45 hours								

14.	Distribution of available time		2+0+1					
15.	Forms of teaching activities	15.1.	Lectures - theory		3	0 hours		
		15.2. Exercise of laboratory, seminar papers, team work				0 hours		
16.	Other forms of activities	16.1.				5 hours		
		16.2.	Individual tasks			5hours		
		16.3.	Home learning			5 hours		
17.	Method of assessment							
	17.1. Tests				20 points			
	17.2. Paper work/project (prese	entatio	on: written and oral)			10 points		
	17.3. Activity and participation				-	7 points		
18.	Assessment Criteria (points / sco	ore)	up to 50 points	5	(five)	(F)		
			from 51 to 60 points	6	(six)	(E)		
			from 61 to 70 points	7	(seven)	(D)		
			from 71 to 80 points	8	(eight)	(C)		
			from 81 to 90 points	9	(nine)	(B)		
			from 91 to 100 points	10	(ten)	(A)		
19.	Signature requirement and passi	ing	Attended Clinical Cariology I					
	the final exam		Passed Clinical Cariolog	gy I				
20.	Language of conducting the		Macedonian					
	lecturers							
21.	Method of monitoring the quality	of	Interactive communicati	on of t	he students	s in the		
	the lectures		lectures					

22.	Literature										
		Obligatory literature									
		No.	Author	Title	Publisher	Year					
	22.1.	1.	Kovachevska I.	Authorized lectures							
	22.1.	2.	Odjaklievska S.	Clinical Endodontology	Skopje						
		3.	Bergenholtz G.	Textbook of	Second						
				Endodontology	Edition						
		Additio	onal literature								
		No.	Author	Title	Publisher	Year					
	22.2.	1.	Tronstad L.	Clinical Endodontology	Danubius						
					Dental -						
					Belgrade						
		2.									

3.				
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Α	Annex No.3 Program of the course- first, second and third cycle of study								
1.	Course title		Pa	ediatric dentist	ry				
2.	Code		3M	3MF155012					
3.	Study program	mme	Pro	Professional studies for dental technician					
			pro	osthodontists					
4.	Organizer of	the study programme	e Un	iversity "Goce D	elce	v"Stip			
	(unit/ institute	, department)							
5.	Level of study	/ (first, second, third	Fir	st cycle					
	cycle)								
6.	Academic yea	ar / semester	Th	ird year/sixth	7.	Numbe	r of	2	
			ser	nester		ECTS o	redits		
8.	Professor		Do	cent PhD Zlatko	Geo	orgiev			
9.	Preconditions	for course enrollme	nt En	rolled sixth seme	ester	•			
10.	Goals of the s	syllabus (competence	es):						
	Acquiring kno	wledge of the develo	opment o	of teeth, caries tr	eatr	nent and	orofacial		
	diseases in c	hildhood.							
11.	Content of the	e syllabus:							
		on to children's denti		ychological types	s of o	children.			
		ng teeth and orofacia							
		istics of children's te	eth and	jaws. Timeline o	f eru	ption of	deciduous	s and	
	permanent t	eeth. s teeth caries. Decid		the sine day as viti	~~				
		t of caries in deciduo			es.				
		for obturation of cavi							
		of deciduous teeth.			ıs te	eth.			
	•	ies in tooth developm							
	•	rmanent teeth.							
	•.	raumatology.							
	11. Soft tiss	ue pathology in childl	hood.						
	12. Intercep	tive and prosthetic re	habilitat	ion in childhood.					
12.	Methods of st	udy:							
	Interactive te	aching (theoretical),	work ir	n small groups	(exe	rcises), a	and other	r forms	
	provided by t	ne common criteria o	f the EC	TS					
13.	Total amount	of available time:		45					
14.	Distribution o	f available time:		2+0+1					
15.	Forms of tead	ching activities	15.1.	Lectures- theo	retic	al		30	
		U		classes					
			15.2.	Practice(labora	atory	,			
				auditory) semii	-				
				work					
16.	Other forms of	of activities	16.1.	Project tasks				5	
			16.2.	Individual tasks	S			5	
			16.3.	Homework				5	
17.	Forms of ass	essment	_					-	

	17.1.	Tests		65 points
	17.2.	Seminar paper/project (pre written)	20 points	
	17.3.	Activity and participation		15 points
18.	Criteria for	assessment (points	to 50 points	5 (five) (F)
	/grade)		from 51 to 60 points	6 (six) (E)
			from 61 to 70 points	7 (seven) (D)
			from 71to 80 points	8 (eight) (C)
			from 81to 90 points	9 (nine) (B)
			from 91 to 100 points	10 (ten) (A)
19.		or getting a signature and	60% success from all pr	
	taking the f	final exam	points from the mid-term	
			paper as well as attend	ance and participation
			in class	
20.	Language conducted	in which the classes are	Macedonian	
21.	Method of	monitoring the quality of	Self-evaluation by stude	nts, as well as transfer
	instruction		of students who passed	the course

22.	Literatu	Literature:										
		Compulsory literature										
		Ordinal numbe	Author	Title	Publisher	Year						
		r										
	22.1.	1.	Beloica D i sar.	Dentistry for the Child	Elit-Medica Beograd,	2000.						
		2.	McDonald R, Avery D	Dentistry for the Child and Adolescent	Mosby, 7 ed	1999.						
		3.	Bajractarova B	Dental traumatology	Skopje	2006.						
		Additional literature										
	22.2.	Ordinal numbe r	Author	Title	Publisher	Year						
	22.2.	1.	Doc. D-r Z. Georgiev	Authorized lectures								
		2.										
		3.										

Annex No.3 Program of the Course - first/second/third cycle studies	
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1.	Title of the Course	Emergeny in dent	istry				
2.	Code	3MF155012					
3.	Study Program	Graduated dental technician - prosthodontist - vocational studies					
4.	Organizer of the study program	University Goce Delcev Faculty of medical science					
	(unit or institute, Faculty,	Department of oral	and		ery and		
	department)	dental implantology					
5.	Cycle (first, second and third	First cycle					
	cycle)						
6.	Academic year / semester	3 year	7.	Number of	2		
8.	Professor (s)	6 semestar		credits			
0.		Assist. Prof d-r Cena Dimova					
9.	Requirements for enrollment the Course	Enrolled in third year of studies					
11.	Purposes of the curriculum (competencies): Emergency medicine and dentistry, their timely diagnosis, differential diagnosis and therapy, concepts in emergencies in the dentistry. Introduce students to diagnose emergency conditions related to dental practice, differential diagnosis and treatment of the same procedure in the diagnosis and treatment of painful conditions in the area of the face and jaw, with special emphasis on diagnosis and treatment of pain associated with odontalgia. One of the goals of this course is to introduce students to the procedures for bleeding face and neck, and the basics of diagnosis of injuries in the area of the face, jaw and neck. Part of the course includes introduction to emergency situations that may occur during dental practice, their diagnosis, and the procedures that are expected of a dentist in these situations. Content of the course program: Theory: - Introduction, definition of emergency situations in medicine and dentistry, - Painful conditions. Bleeding, type, kind, treatment. - Complications and incidents during of local anesthesia - Local complications and incidents during of local anesthesia - Allergic reaction in carrying local anesthesia. - Syncope, collapse, epileptic seizure, hysterical attack - Emergency situations during dental therapy. Acute dental infection - Injuries to the soft tissues of the oral cavity - Injuries to the soft tissues of the oral cavity						

12.	Learning methods: Lectures, auditoria exercises, consultations.								
13.	Total available time			30+0+15=45					
14.	Distribution of available time			2+0+1 / per week	2+0+1 / per week				
15.	Forms of teaching / learning 15.1 activities			lectures / theoretical contact teaching, e-teaching	30 hours				
			15.2.	theoretical and pract exercises, e-exams, preparation independent seminar work	of		hours		
16.			16.1.	Project tasks		5			
						hc	ours		
			16.2.	Individual tasks			5		
						hc	ours		
			16.3.	Home learning			5		
						hc	ours		
17.									
	17.1. Tests / oral exams				((20+20+30)	=70 points		
	17.2.	Seminars (paper / proje and/or oral)	ct - pre	sentation: written			10 points		
	17.3. Activity and participation						20 points		
18.	Assessment Criteria (points /			up 50 points	5	(five)	(F)		
	score)	-	51 to 60 points	6	(six)	(E)		
			_	61 to 70 points	7	(seven)	(D)		
				71 to 80 points	8	(eight)	(C)		
			_	81 to 90 points	9	(nine)	(B)		
			_	91 to 100 points	10	(ten)	(A)		
19.	 Signature requirement and passing the final exam Regularity and activity theoretical and practical instruction, independent project work, project tas group First Requirement for signature - regularity of theoretical and practical instruction, Second Requirement for passing the final exam achieved 42 points (or 60%). (Rating is obtained passing the final examination which may be oral written) 				ect task ⁷ of exam - tained after				
20.)	Language of teaching / study Macedonian							
21.	Method of monitoring the quality of Su			Supporting the evaluation of students and Self-					
	teachi	ing		evaluation					

22.	Literature							
		Required literature						
	22.1.	No. Author Title Publisher				Year		
		1.	Dimova Cena	Emergencies in the dentistry practice	UGD	2013		
		2.	2. Petrovic M, Gavric Emergencies in the dental practice		IK Draganic, Belgrade	2001.		
		Additional literature						
	22.2.	No.	Author	Title	Publisher	Year		
		1.	Todorovic et al	Oral surgery	Belgrade	2002		
		2.	Peterson L.	"Contemporary Oral and Maxillofacial Surgery", 3rd ed.,	Mosby	1998.		