UNIVERSITY OF SPLIT

SCHOOL OF MEDICINE

## DETAILED PROPOSAL OF THE STUDY PROGRAM

INTEGRATED UNDERGRADUATE AND GRADUATE UNIVERSITY STUDY PROGRAM

# **DENTAL MEDICINE**

February 2014.

# **GENERAL INFORMATION OF HIGHER EDUCATION INSTITUTION**

Name of higher education institution	University of Split School of Medicine
Address	Šoltanska 2; 21000 Split; Croatia
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## **GENERAL INFORMATION OF THE STUDY PROGRAM**

Name of the study program	Dental Medicine					
Provider of the study program	University of Split School of Medicine					
Other participants	No other participants					
Type of study program	Vocational study program 🗆		University study program ⊠			
Level of study program	Undergraduate 🗆	Graduate 🗆		Integrated 🛛		
	Postgraduate 🗆	Postgraduate specialist 🗆		Graduate specialist $\Box$		
Academic/vocational title earned at completion of study	Medical doctor (MD)					

#### 1.1. General information

Scientific/artistic area of the study programme	Biomedicine and health
Duration of the study programme	6 years
The minimum number of ECTS required for completion of study	360
Enrolment requirements and admission procedure	in accordance to public call requirements

#### 1.3. Completion of study

Final requirement for completion of study	Final thesis Diploma thesis	$\boxtimes$	Final exam Diploma exam	$\boxtimes$			
Requirements for final/diploma thesis or final/diploma/exam	Requirement for diploma thesis submission is passing of all exams, and requirement for diploma exam is completion of Clinical rotations in clinical and elective clinical courses in dental medicine.						
Procedure of evaluation of final/diploma exam and evaluation and defence of final/diploma thesis	The quality of grad Graduation thesis thesis defense is gr Grades: sufficient 5 points and exceller	uation thesis ar quality is grad aded with 0-50 56-65 points, go at 86 and more	nd public thesis defe ed with 0-50 points points. od 66-75 points, ver points.	nse is graded. s, and public ry good 76-85			

#### 1.4. . List of mandatory and elective courses

YEAR OF THE PROGRAM	Hours	ECTS
1 <sup>st</sup> year	765	60

2 <sup>nd</sup> year	765	60
3 <sup>rd</sup> year	950	60
4 <sup>th</sup> year	1055	60
5 <sup>th</sup> year	1035	60
6 <sup>th</sup> year	1010	60
TOTAL	5580	360

List of courses								
Year of study: 1 <sup>st</sup> year								
Semester: nor	n applicable							
STATUS	CODE	COURSE	нс	OURS IN	SEMES	rer	ECTS	
STATUS	CODE	COURSE	L	S	E	Т	ECIS	
	MFD102	Biophysiscs	23	15	22	60	5	
	MFD104	Medical Biology	25	25	25	75	6	
	MFD105	Medical Chemistry	30	15	30	75	6	
	MFD106	Immunology and Medical Genetics	20	20	20	60	5	
	MFD101	Introduction and History of Dental Medicine	17	13	0	30	2	
Mandatory	MFD108	Scientific Research 1	5	5	10	20	1	
	MFD103	General and Community Dentistry	10	20	0	30	2	
	MFD109	Anatomy	52	53	70	175	14	
	MFD107	Histology and Embriology	30	35	35	100	8	
	MFD110	Dental Anatomy and Anthropology	20	10	60	90	7	
	Total man	datory	232	211	272	715	56	
	MFDI	Elective course	5	15	5	25	2	
Elective	MFDI	Elective course	5	15	5	25	2	
	Total elec	ive	10	30	10	50	4	
TOTAL			242	241	282	765	60	

List of courses							
Year of study:	2 <sup>nd</sup> year						
Semester: nor	n applicable						
STATUS	CODE	COLIDSE	но	OURS IN	SEMES	FER	FCTS
STATUS	CODE	COURSE	L	S	E	Т	ECIS
	MFD201	Physiology	6	83	51	140	11
	MFD205	Biochemistry	25	35	25	85	7
Mandatory	MFD203	Neuroscience in Dental Medicine	14	21	20	55	5
	MFD206	Medical Microbiology and Parasitology	20	20	35	75	6
	MFD207	Pathology	30	45	45	120	9

	MFD202	Scientific Research 2	5	5	10	20	1
	MFD204	Psychological Medicine	5	11	24	40	3
	MFD208	Pathophysiology	30	35	25	90	7
	MFD209	Pharmacology	20	40	30	90	7
	Total mandatory		155	295	265	715	56
	MFDI	Elective course	5	15	5	25	2
Elective	MFDI	Elective course	5	15	5	25	2
	Total elect	ive	10	30	10	50	4
TOTAL			165	325	275	765	60

		List of courses							
Year of study:	: 3 <sup>rd</sup> year								
Semester: non applicable									
CTATUC	CODE		НС	OURS IN	SEMES	TER			
STATUS	CODE	COURSE	L	S	E	Т	ECIS		
	MFD301	General Radiology and Radiology of Orofacial Region	15	10	25	50	3		
	MFD302	Internal medicine	55	0	55	110	7		
	MFD303	Infectology	16	20	4	40	2		
	MFD304	Anesthesiology and Intensive Care Medicine	13	17	20	50	3		
	MFD305	Dermatovenerology	15	0	15	30	2		
	MFD306	Oncology And Tumors of Orofacial Region	5	10	15	30	2		
	MFD307	Otorhinolaryngology	15	15	15	45	3		
	MFD308	Ophtalmology	7	7	6	20	1		
Mandatory	MFD309	Materials in Dentistry	30	0	0	30	2		
wanuatory	MFD310	Propedeutics of Dental Medicine	10	10	10	30	2		
	MFD311	Cariology	15	10	5	30	2		
	MFD312	Preventive Dental Medicine	10	10	10	30	2		
	MFD313	Restaurative Dental Medicine 1	25	25	75	125	8		
	MFD314	Removable Prosthodontics 1	35	35	55	125	8		
	MFD315	Fixed Prosthodontics 1	35	35	55	125	8		
	MFD317	Ethics in Dental Medicine	10	0	0	10	0,5		
	MFD316	Scientific Research 3	0	10	10	20	0,5		
	Total man	datory	311	214	375	900	57		
	MFDI	Elective course	5	15	5	25	2		
Elective	MFDI	Elective course	5	15	5	25	2		
	Total elect	tive	10	30	10	50	4		
TOTAL			321	244	385	950	60		

List of courses

Year of study: **4<sup>th</sup> year** 

Semester: non applicable

STATUS		нс	ГСТС				
	CODE	COURSE	L	S	E	Т	ECIS
	MFD401	Oral Hygiene	10	10	10	30	2
	MFD403	Removable Prosthodontics 2	15	15	45	75	4
	MFD402	Fixed Prosthodontics 2	15	15	45	75	4
	MFD404	Gnathology	15	15	15	45	3
	MFD405	Restaurative Dental Medicine 2	15	15	90	120	6
	MFD406	Endodontics 1	15	15	45	75	4
	MFD407	Pediatric Dentinstry 1	30	0	60	90	5
	MFD408	Orofacial Genetics	15	0	0	15	0.5
Mandatory	MFD409	Oral Medicine 1	10	10	60	90	4
	MFD410	Oral Surgery 1	20	10	60	90	6
	MFD411	Orthodontics 1	20	10	60	90	5
	MFD412	Periodontology 1	30	0	60	90	6
	MFD416	Ethics in Dental Medicine 2	0	10	0	10	0.5
	MFD413	Surgery	20	20	20	60	4
	MFD414	Psychiatry	10	5	10	25	1
	MFD415	Neurology	10	5	10	25	1
	Total mano	latory	260	155	590	1005	56
	MFDI	Elective course	5	15	5	25	2
Elective	MFDI	Elective course	5	15	5	25	2
	Total elect	ive	10	30	10	50	4
TOTAL			270	185	600	1055	60

		List of courses					
Year of study:	5 <sup>th</sup> year						
Semester: nor	n applicable						
STATUS	CODE	COURSE	нс	OURS IN	SEMEST	rer	FOTO
STATUS	CODE	COOKSE	L	S	E	Т	ECIS
	MFD503	Endodontics 2	25	0	100	125	7
	MFD506	Removable Prosthodontics 3	0	25	50	75	5
	MFD507	Fixed Prosthodontics 3	0	25	50	75	5
	MFD510	Maxillofacial Surgery	15	0	30	45	2
	MFD502	Oral Surgery 2	0	0	120	120	6
Mandatony	MFD511	Oral Medicine 2	20	10	90	120	7
ivialitatory	MFD513	Pediatric Dentistry 2	15	0	95	110	6
	MFD505	Orthodontics 2	15	15	30	60	4
	MFD501	Periodontology 2	15	15	90	120	7
	MFD508	Geriatric Dentistry	15	0	0	15	0.5
	MFD509	Implantology	15	10	15	40	2
	MFD514	Ethics in Dental Medicine 3	0	10	0	10	0.5

	MFD512 Gynaecology		10	0	10	20	1
	MFD513	Pediatrics	20	0	300	50	3
	Total mandatory			110	710	985	56
	MFDI	Elective course	5	15	5	25	2
Elective	MFDI	AFDI Elective course			5	25	2
	Total elective			30	10	50	4
TOTAL		175 140 720			1035	60	

	List of courses									
Year of study:	: 6 <sup>th</sup> year									
Semester: non applicable										
CTATUS	CODE	COURCE	нс	OURS IN	SEMES	TER	ГСТС			
STATUS	CODE	COURSE	L	S	E	Т	ECIS			
	MFD601	Forensic Dentistry	15	0	15	30	2			
	MFD602	Public Health and Epidemiology	25	10	15	50	2			
	MFD603	Organization and Economics of Dental Healthcare	15	10	5	30	2			
	MFD604	Endodontics 3	0	0	50	50	2			
	MFD606	Removable Prosthodontics 4	0	0	50	50	2			
	MFD605	Fixed Prosthodontics 4	0	0	50	50	2			
Mandatory	MFD607	Oral Surgery 3		0	50	50	2			
	MFD608	Oral Medicine 3		0	50	50	2			
	MFD609	Pediatric dentistry 3	0	0	50	50	2			
	MFD610	Orthodontics 3	0	0	50	50	2			
	MFD611	Periodontology 3	0	0	50	50	2			
	MFD612	Clinical Dentistry	0	0	250	250	16			
	MFDDI	Graduation Exam	/	/	/	/	6			
Total mandatory			55	20	685	760	44			
Elective	MFDI	Elective Courses in Clinical Dentistry	0	0	250	250	16			
LIEUTIVE	Total electi	ve	0	0	250	250	16			
TOTAL			55	20	935	1010	60			

NAME OF THE COURSE		Biophysics						
Code			Year of study	1st				
Course teacher	Prof. D	avor Eterović, PhD	Credits (ECTS)	5				
Associate teachers	Assist.	prof. Marija Raguž,	Type of instruction	L	S	E	Т	

	PhD;		(numbe	r of hours)					
	Assist. prof. Dar	nir Kovač	ić,						
	PhD;				23	15	22	60	
	Darijo Radović,	MD, MSc	;						
	dr.med;								
Status of the course	Mandatory		Percent applicat	age of ion of e-learnin	0% Ig				
	-	COUR	SE DESCRI	PTION					
Course enrolment requirements and entry competences required for the course	According to St	ccording to Study Regulations							
	• to a	describe	and explain	basic laws an	d princip	oles of p	physics		
Learning outcomes	<ul> <li>to fou</li> <li>to</li> </ul>	interpre indationa differ r	et function al physics la adiographs,	ing of biolo ws and simple scintigraphs	gic sys working s, echog	tems a g mode graphs	accordir Is and ir	ng to nages	
expected at the	acquired by IVIK of CT								
level of the course (4 to 10 learning outcomes)	<ul> <li>to describe principles of acquiring radiographs, scintigraphs and echographs</li> </ul>								
	<ul> <li>to describe the operating principles of MR and CT</li> </ul>								
	<ul> <li>to describe the application of basic imaging methods with regard to various disciplines in medicine and dental medicine</li> </ul>								
Course content broken down in detail by weekly class schedule (syllabus)	Elementary atc Biomechanics; F heart and circul mater; Radiatio Magnetic reson	omic phys Physics of ation; Ele n protect ance ima	ics; Biotransp ear and hea mentary nuc ion; Physics o ging; Physics	ports; Membra ring; Physics of lear physics; In of nuclear med of ultrasound.	ne poten eye and teractior icine; Rac	tials; Ac vision; F of radia diology p	tion pote Physics o ation an ohysics;	ential; f d	
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and</li> <li>☑ exercises</li> <li>☑ on line in ent</li> <li>□ partial e-leard</li> <li>□ field work</li> </ul>	d worksho irety ning	ops	<ul> <li>independent assignments</li> <li>multimedia</li> <li>laboratory</li> <li>work with mentor</li> <li>(other)</li> </ul>					
Student responsibilities	According to St	udy Regul	lations						
Screening student work (name the proportion of ECTS	Class attendance Experimental		Research Report		Practical	l training Other)			
credits for each activity so that the	work		Seminar			Other)			
total number of ECTS credits is	Tests		essay Oral exam			Other)			
equal to the ECTS value of the course)	Written exam		Project		((	Other)			
Grading and	Written evan	oral evam			(•				
evaluating student	whitten exam, t								

work in class and at the final exam						
	Title	Number of copies in the library	Availability via other media			
Required literature (available in the library and via other media)	1. S. Janković i D. Eterović (urednici): Fizikalne osnove i klinički aspekti slikovne dijagnostike, Medicinska naklada, Zagreb, 2002. (za I. dio)					
	2. Eterović D.: Biofizički temelji fiziologije; materijali za skriptu (za II. dio)					
	3. Eterović D.: Upute za vježbe iz Medicinske fizike i biofizike					
Optional literatura	4. Denne DNA : Louis NAN, Finishen: 2. and NAN distribute		-h 1000			
(at the time of submission of study programme proposal)	<ol> <li>Berne RM i Levy MN: Fiziologija, 3. izd. Medicinska naklada; Zagreb, 1996.</li> <li>S Webb (urednik): The physics of medical imaging, Institute of Physics Publishing, Bristol and Philadelphia, 2000.</li> </ol>					
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>					
Other (as the proposer wishes to add)						

NAME OF THE COURSE		Medical biology						
Code			Year of study	1st				
Course teacher	Prof. Ta	atijana Zemunik, M.D	Credits (ECTS)	6				
Associate teachers	Assist.	Prof. Vesna Boraska	Type of instruction	L	S	Е	Т	

	Perica, Ph.D.;	(number of hours)						
	Ivana Gunjača, MSc;		25	25	25	75		
	Nikolina Vidan, MSc;							
Status of the course	Mandatory	Percentage of	0%					
	COURSE	application of e-learning						
		JESCRIPTION						
requirements and entry competences required for the course	Not applicable.							
	<ul> <li>to identify, describe biological science</li> <li>to associate the ba diagnostics and treat</li> </ul>	e and explain the basic sic concepts of moder	c conc n biol	epts of ogical s	the mo	odern 5 with		
	<ul> <li>to identify, describe and explain the cell biology</li> </ul>							
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to identify, describe and explain the basic aspects of molecular biology</li> </ul>							
	<ul> <li>to identify, describe and explain the basic concepts of developmental biology</li> </ul>							
	<ul> <li>to identify, describe and explain the basic concepts of genetics</li> </ul>							
	<ul> <li>to develop critical biological science</li> </ul>	thinking based on th	ie kno	owledge	e of m	odern		
Course content broken down in detail by weekly class schedule (syllabus)	Principles of Molecular Biology (DNA structure, replication, transcription, translation, gene expression, structure and function of ribosomes, posttranslational modification of proteins, protein degradation, general and specific recombination, methods of DNA analysis); Biology of the Cell (the tools of cell biology, evolution of the cell, structure and function of cell components, nucleus, nucleolus, endoplasmic reticulum, Golgi apparatus, lysosomes, peroxisomes, transport and traffic of proteins, cytoskeleton and cell movement, signalisation, bioenergetics and metabolism, cell communication, cell cycle, apoptosis); Developmental Biology and Genetics (fertilization and early embryonic development, cloning, teratogenesis, prenatal diagnosis, principles of inheritance, mutations, population genetics, gene therapy, molecular biology of cancer, human							
Format of instruction	<ul> <li>lectures</li> <li>seminars and workshops</li> <li>exercises</li> <li>on line in entirety</li> <li>partial e-learning</li> <li>field work</li> </ul>	ures       independent assignments         ninars and workshops       multimedia         rcises       laboratory         ine in entirety       work with mentor         ial e-learning       (other)						
Student responsibilities	According to Study Regulation	าร						

Screening student	Class attendance	Research		Practical traini	ng				
proportion of ECTS	Experimental work	Report		(Other)					
activity so that the	Essay	Seminar essay		(Other)					
ECTS credits is	Tests	Oral exam		(Other)					
value of the course)	Written exam	Project		(Other)					
Grading and evaluating student work in class and at the final exam	Continuous ass	essment of knowledge o	luring the cou	ırse, written ex	am				
		Title		Number of copies in the library	Availability via other media				
	1. Coope	r GM, Hausman RE.	The Cell, a						
	Molec	ular Approach.	6th ed.						
	Washi	ngton DC,	Sunderland						
	(Massa	achussets): ASM Pre	ss, Sinauer						
Required literature (available in the	Associ	ates; 2013.							
	2. Cox TN	M, Sinclair J. Molecula	r Biology in						
library and via other media)	Medic	ine. Oxford: Blackw	ell Science						
,	Ltd.; 2	Ltd.; 2000.							
	Peruzović M.,	Zemunik T.: Medical b							
	Handbook for	practical work. Depar	tment for						
	Medical biolog	Medical biology, Medical School University of							
	Split, Split, 20	10.							
Optional literature	1. Albert 3/e, 20	s B et. all. Essential C 009.	ell Biology,	New York, Ga	arland Science,				
(at the time of	2 Turnna	anny P Ellard S Emer	w's Floment	s of Medical	Genetics 1/1th				
submission of study	edition	n Elsevier Churchill Liv	/ingstone, Fr	dinburgh 201	1.				
proposal)	cultion	eartion, Eisevier Churchill Livingstone, Edinburgh 2011.							
	3. Gilber	t SF. Developmental Bi	ology, Sinau	er, 8/e, 2006					
Quality assurance	<ul> <li>Teaching q</li> </ul>	uality analysis by studen	ts and teache	ers					
ensure the	<ul> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> </ul>								
acquisition of exit	<ul> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>								
Other (as the									
proposer wishes to add)									

NAME OF THE COU	RSE	Medical chemistry						
Code			Year of	study	1st			
Course teacher	Assoc. PhD	Prof. Anita Markotić,	Credits	(ECTS)	6			
Associate teachers	Prof. Ire PhD; Assist. Čulić, P Nikolin Angela Sandra	ena Drmić-Hofman, Prof. Vedrana Čikeš hD; a Režić Mužinić, MSc; Mastelić MSc; Dujić-Bilušić, MSc	Type of (numbe	instruction of hours)	L 30	S 15	E 30	T 75
Status of the course	Mandat	tory	Percent applicat	tage of tion of e-learning	0%			
		COURSE [	DESCRI	PTION				
Course enrolment requirements and entry competences required for the course	Not app	blicable.						
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to describe the basic principles of physical chemistry</li> <li>to describe the basic principles of organic chemistry</li> <li>to describe the basic principles of bioinorganic chemistry</li> <li>to describe the kinetics and energetics of chemical reactions, electrochemical reactions and electrochemical processes in the oral cavity</li> <li>to describe the chemical mechanisms of teeth spoilage and protection</li> <li>to describe gases, solutions and buffers</li> <li>to specify and describe laboratory equipment and its application</li> <li>to perform under the supervision the qualitative and quantitative analysis of biologically important cations, anions and salts</li> </ul>					ctions, cavity n nalysis ecules		
Course content broken down in detail by weekly class schedule (syllabus)	Intram Energy in the c Concre chemic chemis related Qualita Quantit organic	Intramolecular and intermolecular forces. Inorganic substances in the oral cavity. Energy of chemical reactions. Electrochemical reactions. Electrochemical processes in the oral cavity. Corrosion. Photochemical processes. Chemical equilibrium. Concrements. Tooth enamel - teath spoilage and protection. The kinetics of chemical reactions. Enzyme kinetics. Gases and solutions. Buffers. Bioinorganic chemistry. Nomenclature, properties and stereochemistry of organic compounds related to the study of dental medicine. Laboratory equipment and its application. Qualitative chemical analysis of biologically important cations, anions and salts. Quantitative chemical analysis. Qualitative reactions on functional groups of						
Format of instruction Student	<ul> <li>☐ lectu</li> <li>☐ sem</li> <li>☐ exer</li> <li>☐ on li</li> <li>☐ parti</li> <li>☐ field</li> <li>Accord</li> </ul>	ganic molecules.         lectures         seminars and workshops         exercises         on line in entirety         partial e-learning         field work						

responsibilities						
Screening student	Class attendance	Research	Practical trainir	ng		
proportion of ECTS	Experimental work	Report	(Other)			
activity so that the total number of	Essay	Seminar essay	(Other)			
ECTS credits is	Tests	Oral exam	(Other)			
value of the course)	Written exam	Project	(Other)			
Grading and evaluating student work in class and at the final exam	Written exam	ritten exam				
Required literature (available in the		Title	Number of copies in the library	Availability via other media		
	1. P.W. At kemije,	kins, M.J. Clugston. Načela fizikalne Školska knjiga, Zagreb, 1992.				
library and via other	2. J. McMurry.	Osnove organske kemije,				
mediaj	Medicinski faku	ltet Sveučilišta u Rijeci i Zrinski d.d.,				
	2014.					
Optional literature (at the time of submission of study programme proposal)	1. P. Atkins Oxford, J	1. P. Atkins, J. de Paula. Physical Chemistry, 10th edition. Macmillian Education, Oxford, 2014.				
Quality assurance methods that ensure the acquisition of exit competences Other (as the	<ul> <li>Teaching qu</li> <li>Exam passi</li> <li>Committee</li> <li>External evaluation</li> </ul>	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>				
proposer wishes to add)						

NAME OF THE COURSE Immunology a		Immunology and Me	d Medical genetics						
Code			Year of study	1st					
Course teacher	prof. Ja	noš Terzić, MD, PhD	Credits (ECTS)	5					
Associate teachers	Prof. Ivana Marinović Terzić,		Type of instruction	L S		Е	Т		
	PhD;		(number of hours)	20	20	20	60		

	Assist, prof. Ivana Novak					
	Nakir PhD:					
	Jelena Korać Prlić PhD:					
	Marina Degoricija, dipiling;		<b>.</b>			
Status of the course	Mandatory	Percentage of	0%			
		application of e-learning				
	COURSEL	DESCRIPTION				
Course enrolment requirements and entry competences required for the course	Not applicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to explain how innat their join functionin</li> <li>to use immunologi</li> <li>to name immune comechanism</li> <li>to explain antibody important cytokines</li> <li>to differentiate mai autoimmunity and it their development</li> <li>to describe the strut to explain basic rule</li> <li>to describe basic preserve to explain genetic preserve disorder cellular organelles (neoplasms)</li> <li>to describe main pretherapeutic method</li> </ul>	te and adaptive immun ng in the defense of hum c terminology appropria ells and antibody classes and T cell receptor dive s and their main functio n immune disorders (hy immunodeficiency) and cture of human genome es of inheritance using b inciples of bioinformatio atterns and genetic bac s with respect to affect mitochondrial, neurolog inicples of genetic tests ds for genetic disorders	ity fun nan or ately s; deso ersity. ms /perse expla e and basic e cs ckgrou ed org gic, m , gene and d	nction a ganism cribe th Describ ensitivite in mech 'averag xample und of v gans, tis uscle, b etic cour iseases	eir action be the m y, nanism e' gene s arious sues an lood, nselling	grate on nost of s and d and
Course content broken down in detail by weekly class schedule (syllabus)	Basic Immunology; Innate Im Research methods in immur Medical genetics, functional Farmacogenomics; RNA gen Mitochondrial diseases; Gen Epigenetics, Telomeres; Antig immunity; Cell-mediated in mediated immunity; Humora in humoral immunity res Autoimmunity, Tumor immu Congenital and accuired imm analysis techniques; Meno	nmunity; Cytokines; Chron nology; Inflammasome. M genomics & proteomic es, RNAi, Mutations and ne teraphy; Genetically r gen presentation, MHC; A nmune responses; Effe immune responses; Antil sponses; Complement; nity, Transplantation; Hyp nunodeficiencies, Clinical delian and Non-Mende	nic infla Aicrob s; Hur aberr modifie ntigen ector bodies Imme persen cases; ilian i	ammatic iome; Ir man ger rations; ed orga recogni mechar ; Effecto unologic sitivity; Chrom inheritar	on and c ntroduct nome p DNA an nisms (( tion, Ad nisms ir or mecha al tole Clinical nosomes nce pat	ancer; ion to roject. alysis, GMO); aptive cell- anisms rance. cases; 5, DNA tterns;

	Populations genetics; Genetic counseling; Familly history of cancer; Genetic factors in common disorders, Familly history: Mendelian and other diseases, Genetic screening; Congenital malformations; Ethical and legal issues.				
Format of instruction	<ul> <li>➢ lectures</li> <li>➢ seminars and workshops</li> <li>➢ exercises</li> <li>○ on line in entirety</li> <li>○ partial e-learning</li> <li>○ field work</li> </ul>				
Student responsibilities	According to St	udy Regulations			
Screening student work (name the	Class attendance	Research		Practical trainir	ng
proportion of ECTS credits for each	Experimental work	Report		(Other)	
activity so that the total number of	Essay	Seminar essay		(Other)	
ECTS credits is	Tests	Oral exam		(Other)	
value of the course)	Written exam	Project		(Other)	
Grading and evaluating student work in class and at	Written exam				
		Title		Number of copies in the library	Availability via other media
Required literature (available in the	1. Andreis Medici	<b>Title</b> s I i sur. Imunologija, 7. nska naklada, Zagreb, 2	izd. 010.	Number of copies in the library	Availability via other media
Required literature (available in the library and via other media)	<ol> <li>Andreis</li> <li>Medicion</li> <li>Turnpe</li> <li>medicion</li> <li>naklada</li> </ol>	<b>Title</b> s I i sur. Imunologija, 7. nska naklada, Zagreb, 2 nny P, Ellard S. Emeryje nske genetike, 14. izd. N a, Zagreb, 2011.	izd. 010. eve osnove Aedicinska	Number of copies in the library	Availability via other media
Required literature (available in the library and via other media)	<ol> <li>Andreis Medicii</li> <li>Turnpe medicii naklada</li> </ol>	<b>Title</b> s I i sur. Imunologija, 7. nska naklada, Zagreb, 2 nny P, Ellard S. Emeryje nske genetike, 14. izd. N a, Zagreb, 2011.	izd. 010. eve osnove Aedicinska	Number of copies in the library	Availability via other media
Required literature (available in the library and via other media) Optional literature (at the time of submission of study programme proposal)	1. Andreis Medicii 2. Turnpe medicii naklada 1. Case studie 6 <sup>th</sup> ed. New Yo 2.Human moleo Science, Taylor	Title s I i sur. Imunologija, 7. nska naklada, Zagreb, 2 nny P, Ellard S. Emeryje nske genetike, 14. izd. N a, Zagreb, 2011. s in immunology: A cl ork: Garland Science; cular genetics. Strachar & Francis Group; 2010.	izd. 010. eve osnove Aedicinska inical compar 2011. T, Read AP. 4 <sup>t</sup>	Number of copies in the library	Availability via other media Notarangelo L.
Required literature (available in the library and via other media) Optional literature (at the time of submission of study programme proposal) Quality assurance methods that ensure the acquisition of exit competences	<ol> <li>Andreis Medicin</li> <li>Turnpe medicin naklada</li> <li>Case studie</li> <li>Case studie</li> <li>Andreis</li> <li>Case studie</li> <li>Case studie</li> <li>Case studie</li> <li>Exam pass</li> <li>Committee</li> <li>External ev</li> </ol>	Title s I i sur. Imunologija, 7. nska naklada, Zagreb, 2 nny P, Ellard S. Emeryje nske genetike, 14. izd. N a, Zagreb, 2011. s in immunology: A cl ork: Garland Science; cular genetics. Strachan & Francis Group; 2010. uality analysis by stude ing rate analysis for control of teaching r aluation	izd. 010. eve osnove Aedicinska inical compar 2011. T, Read AP. 4 <sup>t</sup> nts and teache eports	Number of copies in the library	Availability via other media

NAME OF THE COU	IRSE Introduction to dentistry and history of dentistry								
Code			Year of study	1st					
Course teacher	Darko ł	Kero, DMD, PhD	Credits (ECTS)	2					
Associate teachers	Danijel DMD, P Nikica I	a Kalibović Govorko, PhD; Pirović, DMD, MSc;	Type of instruction (number of hours)	L 17	S 13	E 0	Т 30		
Status of the course	Mandat	tory	Percentage of application of e-learning	0%					
		COURSE [	DESCRIPTION	-					
Course enrolment requirements and entry competences required for the course	Not app	л аррисаріе.							
		• to identify found	ding principles of denta	l heal	thcare				
Learning outcomes expected at the level of the course		<ul> <li>to designate ke of dental medic</li> </ul>	y authors and their cor ine	ntribut	tion to	develop	oment		
		<ul> <li>to mention and describe the most significant events and breakthroughs during the course of development of dental medicine in Croatia and worldwide</li> </ul>							
	<ul> <li>to mention and describe types and distribution of orofacial diseases according to evolutionary development of human species over the course of prehistoric, ancient, industrial and modern era</li> </ul>								
outcomes)		<ul> <li>to describe basic concepts and academical structure of education in dental medicine</li> </ul>							
	<ul> <li>to evaluate functionality of dental healthcare with regard to specific disciplines in dentistry</li> </ul>								
	<ul> <li>to identify rights, duties and resposibilities of dentists and patients</li> </ul>								
	<ul> <li>to evaluate the necessity of life-long education in dental medicine from a practical stand-point</li> </ul>								
	Classes	s in this course will be	conducted by lectures an	d semi	nars.				
Course content broken down in detail by weekly class schedule (syllabus)	Oral m disease and o medicir	orbidity (prevalence, s dealt within various rganization of under ne. Dental office as a	incidence) and an over disciplines in dental me rgraduate and postgrac workplace, introductory	view d dicine luate remarl	of the r . The sy educati ks on th	nost co stem of on in e organi	mmon study dental ization		

	of dental healtchcare within the public health and private enterprise. Dental medicine of prehistoric and ancient peoples, archaic Non-European cultures; ancient Greco-Roman Dental Medicine, Islamic Health Education; Medieval Dental Medicine; awakening the natural sciences and their impact on dental medicine; Eighteenth century, establishment of Dental Medicine as a profession; Pierre Fauchard, the founder of modern dental medicine; development of education in dental medicine; dental medicine in the industrial age. Disciplines in dentistry (Croatia and worldwide), their past, present and future: prosthetics, orthodontics, pedodontics, restorative dentistry, endodontics, oral medicine, periodontology), oral surgery					
	30 hours of instruct and 10 hours of se and 5 hours of sem	30 hours of instruction; Introduction to dental medicine takes 5 hours of lectures and 10 hours of seminars; History of dental medicine takes 10 hours of lectures and 5 hours of seminars.				
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and workshops</li> <li>□ independen</li> <li>□ multimedia</li> <li>□ laboratory</li> <li>□ on line in entirety</li> <li>□ partial e-learning</li> <li>□ (othe</li> </ul>			t assignments ientor er)		
Student responsibilities	According to Study	/ Regulations				
Screening student work (name the	Class attendance	Research		Practical traini	ng	
proportion of ECTS credits for each	Experimental work	Report		(Other)		
activity so that the total number of	Essay	Seminar essay		(Other)		
ECTS credits is	Tests	Oral exam		(Other)		
value of the course)	Written exam	Project		(Other)		
Grading and evaluating student work in class and at the final exam	Written exam					
		Title		Number of copies in the library	Av: of	ailability via ther media
	Hraste J, Gržić R. U Medicinski fakultet	lvod u stomatologij t Sveučilišta u Rijec	u. Rijeka: i: 2008			
Required literature						
(available in the library and via other	Knežević G. Povijes urednik Oralna kir	st oralne kirurgije. I rurgija 2 dio. Zagref	J: Knežević G, v: Medicinska			
media)	naklada; 2003. str.	1-53.				
	Škrobonja A, Muzu	ır A, Rotschild V. Po	ovijest			
	medicine za prakti	čare. Rijeka: Adami	ć; 2003.			
	Kaić Z. Razvoj stom	natologije u Hrvatsk	koj. Acta			
	Stomatol Croat 200	02;36:5-18.				

Optional literature (at the time of submission of study programme proposal)	References from lectures and seminars		
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>	S	
Other (as the proposer wishes to add)			

NAME OF THE COU	IRSE	Scientific research 1					
Code			Year of study	1st			
Course teacher	Prof. A	na Marušić, MD, PhD	Credits (ECTS)	1			
	Prof. Matko Marušić, MD,			L	S	E	Т
Associate teachers	Prid, Prof. Zo Assist. PhD; Assist. Irena Z PhD; Mario I Tina Pc DMD; Lana Bo Ana Ut Frane I	oran Đogaš, MD, PhD; Prof. Ana Jerončić, Prof. Ivana Kolčić; akarija Grković, MD, Malički, MD; oklepović Peričić, ošnjak, MS; robičić, BA; Mihanović, MS;	Type of instruction (number of hours)	5	5	10	20
Status of the course	Mandat	tory	Percentage of 0% application of e-learning				
		COURSE [	DESCRIPTION				
Course enrolment requirements and entry competences required for the course	Not app	olicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	•	to describe principle to describe research application of statis to describe differen to identify and unde communicating new	es of evidence based me h methodology, use of r tical methods in medici it methods of collecting erstand sources of know w knowledge in medicin	edicin nedica ne scient vledge e and	e al inforr tific lite and pa health	nation a rature aths of care	and

	<ul> <li>to understand of different types of study design</li> <li>to critically assess evidence and research data</li> <li>to understand and use of basic statistical terms, definitions and methods</li> <li>to understand different ways of presenting information collected during research</li> <li>to describe responsible conduct of research and research integrity</li> </ul>						
Course content broken down in detail by weekly class schedule (syllabus)	The course intermedical statistic medical statistic medicine, and 5 areas, integrate organized as tea learning (a total practical labs).	The course integrates topics from the following fields: 1. medical informatics, 2. nedical statistics, 3. principles of research, 4. principles of evidence based nedicine, and 5. principles of assessing quality of health care. For each of the 5 ireas, integrated into logical units, the teaching includes 1 h lectures, 1h seminars organized as team learning and 2 h practical work organized as problem-base earning (a total of direct student teaching: 5 h lectures, 5 h seminars and 10 h practical labs).					
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and</li> <li>☑ exercises</li> <li>□ on line in ent</li> <li>□ partial e-leard</li> <li>□ field work</li> </ul>	I lectures       independent assignments         I seminars and workshops       independent assignments         I exercises       multimedia         I on line in entirety       laboratory         I partial e-learning       work with mentor         I field work       (other)					
Student responsibilities	According to Stu	According to Study Regulations					
Screening student work (name the proportion of ECTS credits for each	Class attendance Experimental work		Research Report		Practical traini (Other)	ng	
activity so that the	Essay		Seminar essay		(Other)		
ECTS credits is	Tests		Oral exam		(Other)		
value of the course)	Written exam		Project		(Other)		
Grading and evaluating student work in class and at the final exam							
		1	<b>Fitle</b>		Number of copies in the library	Ava ot	ailability via ther media
Required literature	Marušić M, ur.	Uvod u zr	nanstveni rad	u medicini. 4.			
(available in the	Izdanje. Zagreb:		ska naklada;	2013.			
library and via other media)	Zagreh: Medicir	.Ki ivi, ur. Iska nakl:	ada: 2009	IIIOIIIIdlikd.			
,	Ferenczi E. Mui	rhead N.	Statistika i er	oidemiologiia u			
	jednom potezu.	Zagreb:	Medicinska r	aklada; 2011.			
	Nastavni materi	ijali za po	jedine nastav	vne jedinice			
Ontional literature	1. Day RA, Gaste	el N. How	v to write and	l publish a sciei	ntific paper, 6t	h ed	ition.
(at the time of submission of study	Westport (CT):	Greenwo	od Press; 200	06.			
programme	2. Lang T, Secic	M. How 1	Fo report sta	tistics in medici	ine: annotated	guic	lelines for
proposal)	authors, editors	s, and rev	iewers, 2nd e	edition. Philad	elphia (PA): Am	neric	an College

	of Physicians; 2006.
	3. Hoyt RE, Yoshihashi A, Sutton M. Medical informatics: practical guide for the
	healthcare professional. Third edition e-book. Lulu.com, 2009.
	4. Ogrinc GS, Headrick LA. Fundamentals of health care improvement. Oakbrook
	Terrace (IL): USA Joint Commission Resources; 2008.
	5. Committee on Assessing Integrity in Research Environments. Integrity in
	scientific research. Washington, DC: Institute of Medicine and National Research
	Council; 2002.
Quality assurance	<ul> <li>Teaching quality analysis by students and teachers</li> </ul>
methods that	<ul> <li>Exam passing rate analysis</li> </ul>
acquisition of exit	<ul> <li>Committee for control of teaching reports</li> </ul>
competences	<ul> <li>External evaluation</li> </ul>
Other (as the	
proposer wishes to add)	

NAME OF THE COU	IRSE	SE General and community dentistry						
Code			Year of study	1st	1st			
Course teacher	Darko I	Kero, DMD, PhD	Credits (ECTS)	2				
Associate teachers	Nikica I Danijel DMD, F	Pirović, DMD, MSc; a Kalibović Govorko, PhD;	Type of instruction (number of hours)	L 10	S 20	E 0	Т 30	
Status of the course	Mandatory		Percentage of application of e-learning	0%				
		COURSE D	DESCRIPTION					
Course enrolment requirements and entry competences required for the course	Not app	blicable.						
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	• • • • • • • •	<ul> <li>to identify social expectations imposed on doctors of dental medicine</li> <li>to bring up and describe basic factors in the background of social traaffecting professional development and practical work of doctors of demedicine</li> <li>to explain and analyze objasniti i analizirati relationship between door of dental medicine and patients within society</li> <li>to recognize goals of personal profesional socialization</li> <li>to describe basic principles of healthcare insurance</li> <li>to compare epidemiological dana on the most prevalent oral dise between countries employing various healthcare strategies and system</li> <li>to describe the principles and efficiency of different fluoridation metidation</li> </ul>					e trends dental octors seases ems ethods	
Course content broken down in detail by weekly	Coope identifi fundam	ration between dental cation and resolution on nental principles of cur	l-medical, humanistic and of leading healthcare prol rrent monetary system an	behav plems i d its in	ioral pro n societ npact or	ofession y. The n dental	s for	

(syllabus)	medicine. Basic principles of insurance and its impact on public health policy and business practice in dental medicine. Relations patient - dentist – society; Societal expectations of dental medical profession. The impact of social inequalities on accessibility health and health care (social differentiation, social differences, social stratification, social determinants of health). Quality of life and health protection (measures for improving the quality of life, development of dental technology, prevention as a strategy in dental healthcare). 30 hours of instruction - 10 hours of lectures and 20 hours of seminars.					
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and workshops</li> <li>□ independent</li> <li>□ multimedia</li> <li>□ laboratory</li> <li>□ on line in entirety</li> <li>□ partial e-learning</li> <li>□ field work</li> </ul>			t assignments entor er)		
Student responsibilities	According to St	udy Regula	ations			
Screening student work (name the	Class attendance		Research		Practical traini	ng
proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS	work		Report		(Other)	
	Essay		Seminar essay		(Other)	
	Tests		Oral exam		(Other)	
value of the course)	Written exam		Project		(Other)	
Grading and evaluating student work in class and at the final exam	Presentation of	essay on a	assigned sub	vject		
	Title				Number of copies in	Availability via
		•			the library	other media
Required literature	N. Ferguson. L izdanje, 2009.	Jspon nov Poglavlje	vca; Naklad 4.	a Ljevak, 1.	the library	other media
Required literature (available in the library and via other	N. Ferguson. L izdanje, 2009. A. Thylstrup, C	Jspon nov Poglavlje D. Feyersk	vca; Naklad 4. cow: Textbo	a Ljevak, 1. bok of Clinical	the library	other media
Required literature (available in the library and via other media)	N. Ferguson. L izdanje, 2009. A. Thylstrup, C Cariology; Mu	Jspon nov Poglavlje D. Feyersk nksgaard,	vca; Naklad 4. cow: Textbo , 2nd editio	a Ljevak, 1. bok of Clinical n, 1999.	the library	other media
Required literature (available in the library and via other media)	N. Ferguson. L izdanje, 2009. A. Thylstrup, C Cariology; Mu Poglavlja 7, 8 i	Jspon nov Poglavlje D. Feyersk nksgaard, 9.	vca; Naklad 4. cow: Textbo , 2nd editio	a Ljevak, 1. ook of Clinical n, 1999.	the library	other media
Required literature (available in the library and via other media)	N. Ferguson. L izdanje, 2009. A. Thylstrup, C Cariology; Mu Poglavlja 7, 8 i J. Hraste, R. Gu	Jspon nov Poglavlje D. Feyersk nksgaard, 9. ržić. Opća	vca; Naklad 4. cow: Textbo , 2nd editio	a Ljevak, 1. ook of Clinical n, 1999.	the library	other media
Required literature (available in the library and via other media)	N. Ferguson. L izdanje, 2009. A. Thylstrup, C Cariology; Mu Poglavlja 7, 8 i J. Hraste, R. Gi stomatologija.	Jspon nov Poglavlje D. Feyersk nksgaard, 9. ržić. Opća Rijeka, 2	vca; Naklad 4. cow: Textbc , 2nd editio i socijalna 008. god.	a Ljevak, 1. bok of Clinical n, 1999.	the library	other media
Required literature (available in the library and via other media) Optional literature (at the time of submission of study programme proposal)	N. Ferguson. L izdanje, 2009. A. Thylstrup, C Cariology; Mu Poglavlja 7, 8 i J. Hraste, R. Gi stomatologija. M. Štifanić: M	Jspon nov Poglavlje D. Feyersk nksgaard, 9. ržić. Opća Rijeka, 2 edicinska	vca; Naklad 4. cow: Textbc , 2nd editio i socijalna 008. god. sociologija	a Ljevak, 1. ook of Clinical n, 1999. . Naklada Ada	the library	other media

NAME OF THE COU	JRSE Anatomy						
Code			Year of study	1st			
Course teacher	Prof. lv	ica Grković, MD, PhD	Credits (ECTS)	14			
Associate teachers	prof. Katarina Vilović, MD, PhD; Irena Pintarić, MD, PhD; prof. Katarina Vukojević, MD, PhD; Assist.prof. Natalija Filipović, MDVet, PhD; Antonia Jeličić Kadić, MD, PhD; Milka Jerić, MD; Ana Vuica, MD;		Type of instruction (number of hours)	L 52	S 53	E 70	T 175
	Nikola Mandat	ola Ključević, MD. Percentage of					
Status of the course		-	application of e-learning				
		COURSE D	DESCRIPTION				
Course enrolment requirements and entry competences required for the	Not applicable.						
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to d hun</li> <li>to a tope</li> <li>to a diss</li> <li>to r kno stud</li> <li>to r colla hun duri</li> </ul>	<ul> <li>to describe and explain fundamental concepts of systemic and topographic human anatomy</li> <li>to apply fundamental anatomical knowledge and concepts to defined topographic anatomy units</li> <li>to apply fundamental anatomical knowledge and concepts to anatomy dissection</li> <li>to recognize (and adapt to) the need for continuing learning and acquiring knowledge relating to structures of the human body, to keep pace with future studies of dental medicine</li> <li>to recognize (and adapt to) the need for continuing independent (and collaborative) learning and acquiring knowledge relating to structures of the human body to improve standards and levels of oral health in population during professional involvement</li> </ul>					
Course content broken down in detail by weekly class schedule (syllabus)	The air principl approa commc principl human also rep	ms include covering th le body structures and ches. In a <b>systemic ap</b> on function. The focus les important for unde body. In addition to t presented and includes	e description of macrosco organs through systemic <b>proach</b> organs are groupe of teaching is on the basic rstanding the structure a he systemic approach, the s studying of characteristi	opic cha and to ed acco c an co nd the e <b>topo</b> cs of o	aracteris ppograpl ording to mmon a functior <b>graphic</b> rgans ar	stics of t nic their natomic n of the <b>anatom</b> nd organ	he cal <b>y</b> is

	systems in relation to their position in the body and their relations to the nearby structures. In topographic (regional) approach the organs are grouped according to their location and position in the body. In practice all organs belong to an anatomical region and are part of a body system. Teaching units are organized so they cover topographic anatomy of the head, neck, upper limb, trunk and lower limb. The program includes: <b>Principles of osteology, arthrology, myology, splanchnology, angiology,</b> <b>neurology, bones and joints of the trunk, bones and joints of the upper and</b> <b>lower limbs, neurocranium and viscerocranium, principles of organization of the</b> <b>central and peripheral nervous system, principles of cardio-vascular system and</b>						
	heart and follow and ear, Orbita triangle, Anteri anatomy of Peo Thorax, Abdom vessels, nerves	wing top I regions or neck r ctoral reg len, Pelvi and lym	ographic ana and eye, Nas regions, Later sion, arm, for is and Topogr ph).	tomy blocks: Fa sal region and c al and posterio earm and hand aphic anatomy	ace regions, T avity, Oral ca or neck regions , Topographic of lower limb	emp vity 5, Tc ana 0 (m	ooral regions , Carotid pographic atomy of uscles,
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and workshops</li> <li>☑ independent assignments</li> <li>☑ multimedia</li> <li>☑ laboratory</li> <li>☑ on line in entirety</li> <li>☑ partial e-learning</li> <li>☑ (other)</li> </ul>						
Student responsibilities	According to St	udy Regu	lations				
Screening student	Class attendance		Research		Practical training		
proportion of ECTS	Experimental		Report		(Other)		
activity so that the total number of	Essay		Seminar essay		(Other)		
ECTS credits is	Tests		Oral exam		(Other)		
value of the course)	Written exam		Project		(Other)		
Grading and evaluating student work in class and at the final exam	Continuous asso teaching block,	essment partial w	(28 short writ ritten exams	tten and oral ex final written, p	ams) during th tractical and o	ne d ral e	uration of exams
		-	Title		Number of copies in the library	Av o	ailability via ther media
Required literature (available in the library and via other media)	Križan, Z., <b>Kom</b> <b>Pregled građe g</b> medicine i stom 1999.	<b>pedij ana</b> g <b>lave,vra</b> natologije	<b>tomije čovje</b> <b>ta i leđa</b> za st e, Zagreb, Ško	<b>ka, II dio,</b> udente opće Iska knjiga			
	Bajek, S., Bobin	ac, D., Je	rković, R., Ma	Inar, D.,			
	Marić, I. <b>Sustav</b>	na anato	mija čovjeka	, Rijeka, Digital			

	point, 2007.					
	Sobotta. Atlas anatomije čovjeka. Zagreb: Naklada					
	Slap 2013					
	Gilroy AM, MacPherson BR, Ross LM. Anatomski					
	atlas s latinskim nazivljem, Zagreb, Medicinska					
	naklada, 2011.					
	Netter FH. Atlas der anatomie des menschen.					
	Basel: Novartis, 1998.					
Optional literature	Moore, K.L. and Dalley, A.F.: Clinically oriented anatomy, 4. izd. Lippincott Williams					
(at the time of	& Wilkins, 1999.					
submission of study programme proposal)	Snell R.S. Clinical anatomy. 7. izd. Philadelphia (PA): Lippincott Williams & Wilkins; 2003.					
Quality assurance	<ul> <li>Teaching quality analysis by students and teacher</li> </ul>	rs				
methods that	<ul> <li>Exam passing rate analysis</li> </ul>					
acquisition of exit	<ul> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>					
competences						
Other (as the						
add)						

RSE	Hystology and Embri	iology						
		Year of study	1st	1st				
Prof. M MD, Ph	lirna Saraga Babić, D	Credits (ECTS)	8					
Assist.	Prof. Sandra Kostić,		L	S	E	Т		
Prof. Da PhD; Assist. I PhD; Assist. I Mardea Svjetlar	amir Sapunar, MD, Prof. Livia Puljak, MD, Prof. Snježana šić, MD, PhD; na Došenović, MD;	Type of instruction (number of hours)	30 35 35 10					
Mandat	tory	Percentage of application of e-learning	0%					
	COURSE [	DESCRIPTION	-					
Not app	to describe and explait	in the development of the name	e huma evelop	an body	mbrvon	ic and		
	RSE Prof. M MD, Ph Assist. MSc; Prof. D PhD; Assist. PhD; Assist. Mardes Svjetlar Mandat Not app	RSE Hystology and Embri Prof. Mirna Saraga Babić, MD, PhD Assist. Prof. Sandra Kostić, MSc; Prof. Damir Sapunar, MD, PhD; Assist. Prof. Livia Puljak, MD, PhD; Assist. Prof. Snježana Mardešić, MD, PhD; Svjetlana Došenović, MD; Mandatory COURSE I Not applicable. • to describe and explai	RSE       Hystology and Embriology         Prof. Mirna Saraga Babić, MD, PhD       Year of study         Assist. Prof. Mirna Saraga Babić, MD, PhD       Credits (ECTS)         Assist. Prof. Sandra Kostić, MSc; Prof. Damir Sapunar, MD, PhD; Assist. Prof. Livia Puljak, MD, PhD; Assist. Prof. Snježana Mardešić, MD, PhD; Svjetlana Došenović, MD;       Type of instruction (number of hours)         Mandatory       Percentage of application of e-learning         COURSE DESCRIPTION         Not applicable.	RSE       Hystology and Embriology         Prof. Mirna Saraga Babić, MD, PhD       Year of study       1 st         Prof. Mirna Saraga Babić, MD, PhD       Credits (ECTS)       8         Assist. Prof. Sandra Kostić, MSc; Prof. Damir Sapunar, MD, PhD; Assist. Prof. Livia Puljak, MD, PhD; Assist. Prof. Snježana Mardešić, MD, PhD; Svjetlana Došenović, MD;       Type of instruction (number of hours)       30         Mandešić, MD, PhD; Svjetlana Došenović, MD;       Percentage of application of e-learning       0%         Image: Course Description       O%         Not applicable.       Image: Course development of the huma to identify and explain specific periods in the development of the huma	RSE       Year of study       1st         Prof. Mirna Saraga Babić, MD, PhD       Credits (ECTS)       8         Assist. Prof. Sandra Kostić, MSc; Prof. Damir Sapunar, MD, PhD; Assist. Prof. Livia Puljak, MD, PhD; Assist. Prof. Snježana Mardešić, MD, PhD; Svjetlana Došenović, MD;       Type of instruction (number of hours)       30       35         Mandatory       Percentage of application of e-learning       0%       10%         Not applicable.       Image: Scription of the human body in the development of the human body       Image: Scription of the human body	RSE       Hystology and Embriology         Prof. Mirna Saraga Babić, MD, PhD       Year of study       1st         Assist. Prof. Sandra Kostić, MSc;       Credits (ECTS)       8         Prof. Damir Sapunar, MD, PhD;       Assist. Prof. Livia Puljak, MD, PhD;       Image: Colspan="4">Assist. Prof. Sigizana         Assist. Prof. Sigizana       Type of instruction (number of hours)       30       35       35         Mardešić, MD, PhD;       Svjetlana Došenović, MD;       Percentage of application of e-learning       0%       Image: Colspan="4">Image: Colspan= Colspan="4">Image: Colspan= Colspa= Colspan= Colspan= Colspan= Colspan= Colspan= Colspa= Colspan= Co		

(4 to 10 learning outcomes)	<ul> <li>tetal periods</li> <li>to identify, name and describe anomalies in the human body development</li> <li>to identify, name and describe the morphologic characteristics of the tissues and organs</li> <li>to compare the similarities and differences in the morphology of the</li> </ul>								
Queues content	tissues to prep to desc the acq specific to desc tissues morpho to cons parame	<ul> <li>tissues and organs</li> <li>to prepare the histologic slides using appropriate methods</li> <li>to describe the normal microscopic anatomy of the human body, and use the acquired knowledge for understanding and predicting the function of specific organs and tissues in the body</li> <li>to describe and explain the morphologic characteristics of the organs and tissues and use the acquired knowledge for understanding and predicting morphologic and pathologic changes in the tissues at the microscopic leve</li> <li>to construct and analyze diagrams showing relations between two or mor parameters, predict behavior of the system in changed conditions</li> </ul>							
Course content broken down in detail by weekly class schedule (syllabus)	General and sp	oecial embryology, gei	heral and specia	l histology.					
Format of instruction	<ul> <li>lectures</li> <li>seminars and</li> <li>exercises</li> <li>on line in ent</li> <li>partial e-lear</li> <li>field work</li> </ul>	<ul> <li>☑ lectures</li> <li>☑ seminars and workshops</li> <li>☑ exercises</li> <li>☑ on line in entirety</li> <li>☑ partial e-learning</li> <li>☑ (othe</li> </ul>							
Student responsibilities	According to St	udy Regulations							
Screening student work <i>(name the</i> proportion of ECTS	Class attendance Experimental work	Research Report		Practical trainin (Other)	ng				
credits for each activity so that the total number of	Essay	Seminar essay		(Other)					
ECTS credits is equal to the ECTS	Tests	Oral exam		(Other)					
value of the course)	Written exam	Project		(Other)					
evaluating student work in class and at the final exam	written exam								
		Title		Number of copies in the library	Availability via other media				
Required literature (available in the	Junqueira LC, Ca atlas). 13 <sup>th</sup> ed. N	arneiro J. Basic Histol Mc.Graw-Hill	ohy (text &						
library and via other media)	Sadler TW. Lang	gman's Medical Embr	ology, 12 <sup>th</sup> ed.						
	Lippincott Willli	iams & Wilkins							
Optional literature (at the time of submission of study	Sobotta. Histolo Wilkins, 2004	ogy: A Color Atlas of N	licroscopic Anat	comy. Baltimo	re: Williams &				

programme proposal)	
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>
Other (as the proposer wishes to add)	

NAME OF THE COU	COURSE Dental anatomy and dental anthropology							
Code			Year of study	1st				
Course teacher	prof. Ka PhD	atarina Vilović, MD,	Credits (ECTS)	7				
	Darko I	Kero, DMD, PhD;		L	S	Е	Т	
Associate teachers	Nikica I Danijel	Pirović, DMD, MSc; a Kalibović Govorko,	Type of instruction (number of hours)	20	10	60	90	
	DMD, F	hD;						
Status of the course	Manda	tory	Percentage of application of e-learning	0%				
		COURSE D	DESCRIPTION					
Course enrolment requirements and entry competences required for the course	Not app	Not applicable.						
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	• • • •	<ul> <li>to demonstrate the use of appropriate terminology in dem during the practical classes</li> <li>to describe the crown and root shape of every type of perma and deciduous teeth and accordingly identify specimens of extra human permant and deciduous teeth</li> <li>to compare the differences between permanent and pri dentition</li> <li>to describe the time-table of tooth epruption in both primary permanent dentition</li> <li>to describe relations between upper and lower dental arches</li> <li>to compare and analyze ontogenetic and phylogenetic develop of human and animal dentition (mammals, reptiles, fish)</li> </ul>						

	<ul> <li>to disc</li> </ul>	ern link k	petween the	shape of spe	cific tooth and	d its function					
	<ul> <li>to reco of teet</li> </ul>	ognize va :h)	arious denta	l anomalies (	shape, numbe	er and position					
	<ul> <li>to car decidu</li> <li>plaster</li> </ul>	<ul> <li>to carve out of plaster blocks every type of permanent and deciduous teeth crowns, as well as to make the wax-up of crowns on plaster cast models in actual size</li> </ul>									
Course content broken down in detail by weekly class schedule (syllabus)	Course conten deciduous teet relationships ac The study of ind and root parts, alveolar bone. scientific resea considering the teeth, in order tooth within th will be determi arches. Propert will be appropr marginal ridges eruption in dec endodontic spa in restorative d	ourse content includes topics on the macroscopic structure of permanent and eciduous teeth, their emergence, embryonic development of teeth and occlusal elationships according to basic classifications currently used in dental medicine. The study of individual teeth includes morphological aspects of the tooth crown and root parts, as well as their relations iwithin the dental arch and surrounding veolar bone. Dental anatomy is fundamental for both clinical dentistry and cientific research. Terminology in dental anatomy will be presented in detail onsidering the properties of the crown and root of permanent and deciduous eeth, in order to determine features for identical group of teeth and an individual both within the dental arch. Difference between permanent and deciduous teeth will be determined, as well as their relations within and between the dental rches. Properties of teeth that may affect the health of the supporting structures will be appropriately highlighted, especially the aproximal surfaces and contacts, harginal ridges and height and shape of the lateral recesses. The time-table of ruption in deciduous and permanent dentition. A thorough knowledge of indodontic spaces anatomy is fundamental for a san effective treatment approach mestorative dentistry and endodontics.									
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars an</li> <li>☑ exercises</li> <li>□ on line in en</li> <li>□ partial e-lear</li> <li>□ field work</li> </ul>	d worksho tirety ming	ops	<ul> <li>independer</li> <li>multimedia</li> <li>laboratory</li> <li>work with m</li> <li>(other</li> </ul>	nt assignments nentor er)						
Student responsibilities	According to St	udy Regu	lations								
Screening student work <i>(name the</i>	Class attendance		Research		Practical trainin	ng					
proportion of ECTS credits for each	Experimental work		Report		(Other)						
activity so that the total number of	Essay		Seminar essay		(Other)						
ECTS credits is	Tests		Oral exam		(Other)						
value of the course)	Written exam		Project		(Other)						
Grading and evaluating student work in class and at the final exam											
Required literature (available in the library and via other		1	<b>Fitle</b>		Number of copies in the library	Availability via other media					
media)	Hraste J Dentalna morfologija; Školska knjiga, Zagreb 1981.										

	landout prema Berkovitz, B.K.B., Holland, G.R.,							
	Moxham, B.J. Oral Anatomy, Histology and	Moxham, B.J. Oral Anatomy, Histology and						
	Embridlogy, third Edition, Mosby, Edinburgh, 2002.,							
	tooth development) 22 (Amelogenesis) 23							
	(Dentinogenesis) i 26 (Development of the							
	dentitions)							
	http://academicearth.org/courses/dental-anatomy							
	(lectures 6 - 18)							
	http://www.mefst.hr/default.aspx?id=889							
	(modelacija u gipsu)							
Optional literature	1. Brown P. & Herbranson E. And Quintessence Publishing Co. Inc., Dental							
(at the time of	Anatomy 3D Interactive Tooth Atlas, Version 3.0,	Portola Valley	, USA, 2004					
	2. Brand W. R., Isselhard, D. E., Anatomy of Orof	acial Structure	es, Seventh Ed.,					
proposal)	Mosby, St. Louis, USA, 2003 2. Smith D. A. Quigktime Detabase of the Human Deptition							
Quality assurance	Smith P., A Quicklime Dalabase of the Human Dentition     Teaching quality analysis by students and teachers							
methods that	<ul> <li>Exam passing rate analysis</li> </ul>							
ensure the	<ul> <li>Committee for control of teaching reports</li> </ul>							
acquisition of exit competences	<ul> <li>External evaluation</li> </ul>							
Other (as the								
proposer wishes to add)								

NAME OF THE COURSE Physiology							
Code			Year of study	2nd			
Course teacher	Prof. Zo	oran Valić, MD, PhD	Credits (ECTS)	11			
	Prof. Že	eljko Dujić, MD, PhD;		L	S	Е	Т
	Assoc.	Prof. Darija Baković,					
	MD, Ph	iD;					
	Assoc.	Prof. Jasna					
	Marino	vić, MD, PhD;	Type of instruction				
Associate teachers	Assoc. Prof. Marko		(number of hours)	6	83	51	140
	Ljubković, MD, PhD;				00		
	Assist. Prof. Vladimir						
	Ivančev, MD, PhD;						
	Assist. Prof. Ante Obad, MD,						
	PhD;						
Status of the course	Mandat	tory	Percentage of application of e-learning	0%			
		COURSE [	DESCRIPTION	P			
Course enrolment	Not app	olicable.					
requirements and							
entry competences							
required for the							

course								
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to identi neurom endocri endocri</li> <li>to desci positive</li> <li>to name of devia</li> <li>to critici particip</li> <li>to apply</li> <li>to comp systems</li> <li>to use a</li> <li>to perfer parame</li> <li>to consi parame</li> </ul>	tify, descr nuscular, o ine system ribe, discr e feedback e and exp ation of pa tally judge vate in arg y adoptec pare simil s in our bo acquired t prm and p eters, and truct and eters, prec	ibe and expla cardiovascular n at the level riminate and e k loops) critica lain changes t arameters wit e educational gumentative d knowledge t arities and dif ody heoretical knowledge t caractice measu explain collect analyze diagr	in the most im r, respiratory, of the cell, org explain control al for homeost that occur in e thin and outsic materials (text liscussions and o predict funct ferences in fu owledge for so urement of sel ted results ams showing r	portant charac kidney, gastroi an and whole l mechanisms ( asis ach system as a le of physiolog books and lect construct opin tion of system nction between olving practical lected physiolo relations between	cteristics of ntestinal and body negative and a consequence ical limits cures), nions in the future n different problems gical een two or more ditions		
Course content broken down in detail by weekly class schedule (syllabus)	Introduction to Clotting; Memb The Kidneys and Gastrointestina Endocrinology a	roduction to Physiology: The Cell and General Physiology; Blood Cells and Blood otting; Membrane Physiology, Nerve, and Muscle; The Heart; The Circulation; e Kidneys and Body Fluids; Respiration; Environmental Physiology; istrointestinal Physiology; Metabolism and Temperature Regulation;						
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and</li> <li>☑ exercises</li> <li>□ on line in ent</li> <li>□ partial e-leard</li> <li>□ field work</li> </ul>	<ul> <li>☐ lectures</li> <li>☐ seminars and workshops</li> <li>☐ exercises</li> <li>☐ on line in entirety</li> <li>☐ partial e-learning</li> <li>☐ independent</li> <li>☐ multimedia</li> <li>☐ laboratory</li> <li>☐ work with me</li> <li>☐ (other</li> </ul>				nt assignments nentor er)		
Student responsibilities	According to St	udy Regul	lations					
Screening student work (name the proportion of ECTS	Class attendance Experimental		Research		Practical trainin	ng		
credits for each activity so that the	work		Seminar		(Other)			
total number of ECTS credits is	Tests		essay Oral exam		(Other)			
equal to the ECTS value of the course)	Written exam		Project		(Other)			
Grading and evaluating student work in class and at the final exam	Written exam a	nd/or ora	ıl exam	·				
Required literature		1	Title		Number of copies in the library	Availability via other media		
(available in the library and via other	1. Guyton – Hal	l: Fiziolog	ija, 12. izd., N	Iedicinska				
media)		, 2012.						
	1				1			

Optional literature (at the time of submission of study programme proposal)	<ol> <li>Berne-Levy: Fiziologija kroz prikaze bolesnika, 3. izd., Medicinska naklada, Zagreb, 1997.</li> <li>Berne-Levy: Fiziologija, 3 izd., Medicinska naklada, Zagreb, 1996.</li> </ol>
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>
Other (as the proposer wishes to add)	

NAME OF THE COU	IRSE	Biochemistry							
Code			Year of study	2nd					
Course teacher	Prof. Ir PhD	ena Drmić Hofman,	Credits (ECTS)	7					
	Assoc. PhD;	Prof. Anita Markotić,		L	S	E	Т		
Associate teachers	Assist. Prof. Vedrana Čikeš Čulić, PhD; Angela Mastelić, MSc; Nikolina Režić Mužinić. MSc:		Type of instruction (number of hours)	25	35	25	85		
Status of the course	Manda	tory	Percentage of application of e-learning	0%					
		COURSE [	DESCRIPTION						
Course enrolment requirements and entry competences required for the course	Not app	Not applicable.							
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	•	<ul> <li>to comprehend the general understanding of the major types of biochemical molecules, including small, large and supermolecular components found in cells</li> <li>to recognize and describe the different types of biochemical molecules at know their essential chemical characteristics that make them indispensib for life</li> <li>to describe and explain basic energy metabolism of cells</li> <li>to explain the structure of DNA and RNA and why these molecules have different roles in the storage and decoding of the information of heredity and cell function</li> <li>to explain the fundamentals of regulation of gene expression</li> <li>to identify some of common reaction mechanisms in biochemical processes (carbohydrate, lipid and protein metabolism)</li> <li>to describe how enzymes work and know how to determine basic enzyme kinetics</li> <li>to describe and explain the main concepts on how cells function and integrate biochemical reactions at tissue level</li> </ul>							

	biochei	mistry in o	dental medici	ne and medica	ll research			
Course content broken down in detail by weekly class schedule (syllabus)	General and oral biochemistry as well as pathobiochemistry							
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and workshops</li> <li>☑ exercises</li> <li>☑ on line in entirety</li> <li>☑ partial e-learning</li> <li>☑ field work</li> <li>☑ independent</li> <li>☑ multimedia</li> <li>☑ laboratory</li> <li>☑ work with m</li> <li>☑ (other</li> </ul>				nt assignments nentor er)			
Student responsibilities	According to St	udy Regu	lations					
Screening student	Class attendance		Research		Practical trainin	ng		
proportion of ECTS credits for each	Experimental work		Report		(Other)			
activity so that the total number of	Essay		Seminar essay		(Other)			
ECTS credits is equal to the ECTS	Tests		Oral exam		(Other)			
value of the course)	Written exam		Project		(Other)			
Grading and evaluating student work in class and at the final exam	Written exam,	oral exam	1					
	Title			Number of copies in the library	Availability via other media			
Required literature (available in the	Murray RK, Ber	nder DA, E r's Illustr						
library and via other media)	edition, MC Gra	aw Hill Co						
Optional literature (at the time of submission of study programme proposal)	Lieberman M, N Fourth. Ed., Lip	Varks AD pincott W	. Mark's Basic /illiams & Wil	Medical Bioch Kins, 2013.	nemistry a Clinio	cal Approach		
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching q</li> <li>Exam pass</li> <li>Committee</li> <li>External ev</li> </ul>	uality ana ing rate a for contro aluation	Ilysis by stude nalysis bl of teaching	ents and teache	ers			
Other (as the proposer wishes to add)								

NAME OF THE COU	URSE Neuroscience in dental medicine							
Code			Year of study	2nd				
Course teacher	Prof. Zo	oran Đogaš MD, PhD	Credits (ECTS)	5				
Associate teachers	Prof. M Prof. Iv PhD.; Assist. MD, Ph Ivana P PhD; Ivona S Assist. Karano Assist. MD, Ph Linda L	laja Valić, Md, PhD; ica Grković, MD, Prof. Renata Pecotić, ID; avlinac Dodig, MD, tipica, MD; Prof. Nenad vić, MD, PhD; Prof. Mladen Carev, ID; ušić, MSc:	Type of instruction (number of hours)	L 14	S 21	E 20	T 55	
Status of the course	Manda	tory	Percentage of	0%				
	-		application of e-learning					
Course enrolment requirements and entry competences required for the course	Not app	blicable.	identify and descri		the m	ornhol	ogical	
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	•	characteristics of the midbrain, thelence cord and explain the to describe basic el- explain the mecha- potential and posts to describe the neurons, classify mechanism of ac- structure of different their role in informa- to describe, explain system and apply problems to describe and characteristic of co- mechanisms of neu- to associate knowler organization of the specific problems in	he structure of the cer ephalon, peripheral ne eir function ectrophysiological char anism of membrane ynaptic potential gener mechanism of inform and explain the b tion of neurotransmi ent type of ligand gat ation transfer between n, and outline organizat adopted knowledge in explain organization complex brain function ral control of breathing edge about the structure nervous system with the health care in the field	acteria restin ation ation ation asic tters, ed re- neuro tion of solvi and ns: sle e, func- e abili	stics of g pote transf charact and o ceptors ns f sensor ing pra neuro eep an ction an ity to se ntal me	systen and the neu ential, a fer bet eristics describe and d ry and n ctical c physiol d wake d elf-solve	n, the spinal urons, action add and the iscuss motor linical ogical and	
Course content broken down in detail by weekly class schedule	Basic b molecu recepto	prain morphology – cer Ilar neuroscience; syna prs); motor system; ger	rebral cortex, deep brain s aptic transmission; sensor neral and complex brain f	structu y syste unctio	res; cell m; pain ns	ular and (pathwa	ays,	

(syllabus)							
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and workshops</li> <li>☑ exercises</li> <li>□ on line in entirety</li> <li>□ partial e-learning</li> <li>□ field work</li> </ul>			<ul> <li>independent assignments</li> <li>multimedia</li> <li>laboratory</li> <li>work with mentor</li> <li>(other)</li> </ul>			
Student responsibilities	According to Study Regulations						
Screening student work (name the	Class attendance		Research		Practical training		
proportion of ECTS credits for each	Experimental work		Report		(Other)		
activity so that the total number of	Essay		Seminar essay		(Other)		
ECTS credits is equal to the ECTS	Tests		Oral exam		(Other)		
value of the course)	Written exam		Project		(Other)		
Grading and evaluating student work in class and at the final exam	Written exam						
Required literature (available in the library and via other media)	Title			Number of copies in the library	Ava ot	ailability via ther media	
	Judaš, M. i Kostović, I.: Temelji neuroznanosti, 1. izd. MD; Zagreb, 2005. (slobodan web pristup), selected chapters.						
	Đogaš i sur.: neuroznanosti,						
	Purves D et al.: Neuroscience, 5th edition, Sinauer Associates INC, USA. (selected chapters).						
Optional literature (at the time of submission of study programme proposal)	Kandel, E.R., Schwartz, J.H. i Jessel, T.M.: Principles of the neural science, 4.ed., McGraw-Hill; New York, U.S.A., 2000						
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>						
proposer wishes to add)							

Code			Year of	study	2nd			
Course teacher	Assoc. prof. Ma MD, PhD	rija Tonki	ić, Credits	(ECTS)	6			
Associate teachers	Assist. prof. Ivana Goić- Barišić, MD, PhD; Anita Novak, MD; Katarina Šiško Kraljević, MD, PhD; Žana Rubić, MD; Marina Radić, MD; Vanja Kaliterna, MD, PhD; Merica Carev, MD;		MD, Type of (numbe	instruction of hours)	L 20	S 20	E 35	T 75
Status of the course	Mandatory Percentage of 0%							
		COUR	SE DESCRI	PTION	<u> </u>			
Course enrolment requirements and entry competences required for the course	Not applicable.							
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to state and describe the most important biological characteristics of normal human flora and pathogenic microorganisms (bacteria, viruses, fungi and parasites)</li> <li>to describe the roles of normal human microbial flora</li> <li>to describe mechanisms of transmission of microorganisms, as well as the pathogenesis and prevention methods of infectious diseases</li> <li>to describe the basic mechanisms of immune defense and vaccines</li> <li>to describe sterilization and disinfection methods</li> <li>to explain pathogenesis of oral infectious diseases</li> <li>to perform sampling of nose, throat and gingiva bacterial smears</li> <li>to adequately select and perform basic microbiological diagnostic methods and to critically interpret their results</li> </ul>							
Course content broken down in detail by weekly class schedule (syllabus)	Bacteriology, N	Луcology,	Virology, Pa	rasitology.				
Format of instruction	<ul> <li>lectures</li> <li>seminars and workshops</li> <li>exercises</li> <li>on line in entirety</li> <li>partial e-learning</li> <li>field work</li> </ul>			<ul> <li>independent assignments</li> <li>multimedia</li> <li>laboratory</li> <li>work with mentor</li> <li>(other)</li> </ul>				
Student responsibilities	According to St	udy Regu	lations					
Screening student work (name the	Class attendance		Research		Practica	l training		
proportion of ECTS credits for each	Experimental work		Report		(0	Other)		

activity so that the total number of ECTS credits is equal to the ECTS	Essay	Seminar essay		(Other)					
	Tests	ests Oral exam		(Other)					
value of the course)	Written exam	Project		(Other)					
Grading and evaluating student work in class and at the final exam	Partial written	Partial written exams, written exam, practical exam							
Doguino di litoroturo		Title	Number of copies in the library	Availability via other media					
(available in the library and via other	Presečki V. Stor Medicinska nak	matološka mikrobiologij :lada; 2009.							
media)									
Optional literature (at the time of submission of study programme proposal)	Bagg J, MacFarlane TW, Poxton IR, Smith AJ. Essentials of Microbiology for Dental Students. 2. izd. Oxord: Oxford University Press; 2006.								
Quality assurance methods that ensure the acquisition of exit competences Other (as the proposer wishes to add)	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>								

NAME OF THE COU	JRSE	Pathology					
Code			Year of study	2nd			
Course teacher	Prof. V MD, Ph	aldi Pešutić Pisac, ID	Credits (ECTS)	9			
Associate teachers	Prof. Si PhD; Prof. M MD, Ph Prof. Iv MD, Ph Assist. Forem Joško E Ivana N Sandra	nježana Tomić, MD, leri Glavina Durdov, nD; rana Kuzmić Prusac, nD; prof. Gea poher, MD, PhD; Bezić, MD, MSc; Arklić, MD, PdD; Zekić Tomaš, MD,	Type of instruction (number of hours)	L 30	S 45	E 45	T 120
	PdD; Dinka Š Nenad	undov, MD, PdD; Kunac, MD;					
Status of the course	Manda	tory	Percentage of	0%			

	application of e-learning							
	COURSE DESCRIPTION							
Course enrolment requirements and entry competences required for the course	Not applicable.							
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to identify, describe and explain the most important characteristics of the basic pathological processes on cellular, tissue and organ level</li> <li>to describe, discriminate and explain key control mechanisms underlying the inception and progression of disease, as well as to explain the functional consequences of the morphological changes</li> <li>to name and explain pathology of illnesses occuring in different organs</li> <li>to compare pathological features of ilnesses with features of normal physiology with respect to the function of the organism</li> <li>to use acquired theoretical knowledge for solving practical clinical problems, and to be able to constructively participate in professional medical discussions</li> </ul>							
Course content broken down in detail by weekly class schedule (syllabus)	<ul> <li>General pathology: Cellular injury and adaptations, inflammatiom and repair,fluid and hemodynamic derangements, genetic disorders, diseases of immunity, neoplasia,diseases of infancy and childhood.</li> <li>Pathology of organs and organ systems: cardiovascular pathology, pathology of lung, hematopathology, gastrointestinal patology, patology of the liver and pancreas, genitourinary patology, pathology of the breast, endocrine system, bones, joints, periferal nerves, skeletal muscle and central nervous system.</li> </ul>							
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and workshops</li> <li>☑ exercises</li> <li>☑ on line in entirety</li> <li>☑ partial e-learning</li> <li>☑ field work</li> <li>□ independent assignments</li> <li>□ multimedia</li> <li>□ laboratory</li> <li>□ work with mentor</li> <li>□ (other)</li> </ul>							
Student responsibilities	According to Study Regulations							
Screening student work (name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS	Class attendance Experimental work	Researc Report	ch		Practical training (Other)			
	Essay	Semina essay	r		(Other)			
	Tests	Oral exa	am		(Other)			
value of the course) Grading and evaluating student work in class and at	whiten exam	Project			(Otner)			
the final exam								
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	Title	Number of copies in the library	Availability via other media					
Required literature	Damjanov I, Seiwerth S, Jukić S, Nola M. Patologija.							
(available in the	IV izdanje. Zagreb: Medicinska naklada; 2014.							
media)	CD-rom. Patologija. Medicinski fakultet Zagreb-							
,	Kanzas School of medicine.							
Optional literature (at the time of submission of study programme proposal)	Damjanov I, Fenderson BA, Rubin E, Nola M, Dominis studente medicine s ispitnim pitanjima i odgovorima, prema američkom izdanju <i>Pathology study guide</i> , Me	M, Jukić S. Pa prevedeno i r edicinska nakla	tologija za nadopunjeno nda Zagreb 2001.					
Quality assurance methods that	<ul><li>Teaching quality analysis by students and teacher</li><li>Exam passing rate analysis</li></ul>	rs						
ensure the acquisition of exit competences	<ul><li>Committee for control of teaching reports</li><li>External evaluation</li></ul>							
Other (as the proposer wishes to add)								

NAME OF THE COU	IRSE	Scientific research 2	2					
Code			Year of study	2nd				
Course teacher	Prof. A	na Marušić, MD, PhD	Credits (ECTS)	1	1			
	Prof. N	latko Marušić, MD,		L	S	Е	Т	
Associate teachers	PhD; Prof. Zo Assist. PhD; Assist. Irena Z PhD; Mario I Tina Po DMD; Lana Bo Ana Ut Frane N	oran Đogaš, MD, PhD; Prof. Ana Jerončić, Prof. Ivana Kolčić; akarija Grković, MD, Malički, MD; oklepović Peričić, ošnjak, MS; robičić, BA; Mihanović, MS;	Type of instruction (number of hours)	5	5	10	20	
Status of the course	Mandat	tory	Percentage of application of e-learning	0%				
		COURSE	DESCRIPTION					
Course enrolment requirements and entry competences required for the course	Not app	olicable.						

Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to recognize different study designs</li> <li>to code and enter data in a database</li> <li>to test the distribution of data</li> <li>to perform statistical analysis of data</li> <li>to choose and execute statistical tests appropriate for study design and research question</li> <li>to calculate clinical outcome results specific for the study design</li> <li>to organize, synthesize and present (graphically and tabular) results of data analysis</li> <li>to present the study and its results in oral and written presentation</li> </ul>						
broken down in detail by weekly class schedule (syllabus)	of team learnin and 10 h practi	ples from g and as p cals).	clinical studi	es. The course ed learning (tot	is organized on al of 5 h lecture	the principles es, 5 h seminars	
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars an</li> <li>☑ exercises</li> <li>□ on line in ent</li> <li>□ partial e-lear</li> <li>□ field work</li> </ul>	<ul> <li>✓ lectures</li> <li>✓ seminars and workshops</li> <li>✓ exercises</li> <li>✓ on line in entirety</li> <li>✓ partial e-learning</li> <li>✓ field work</li> <li>✓ independent assignments</li> <li>✓ multimedia</li> <li>✓ a multimedia</li></ul>					
Student responsibilities	According to St	udy Regu	lations				
Screening student work (name the	Class attendance		Research		Practical traini	ng	
proportion of ECTS credits for each	Experimental work		Report		(Other)		
activity so that the	Essay		Seminar essay		(Other)		
ECTS credits is	Tests		Oral exam		(Other)		
value of the course)	Written exam		Project		(Other)		
Grading and evaluating student work in class and at the final exam	The course exa knowledge and All course assig that 60% of the the final written - fail, 56-65 - sa	m has thr 2) skills a nments a score co n test. Gra tisfactory	ee componen and 3) an inte re graded, ar mes from the ades are awa 7, 66-75 - goo	nts: continual for grated written ad the final score evaluations du rded according d, 76-85 - very	ormal written e test at the end re ranges from uring the cours to the followin good, ≥86 - ou	evaluation of 1) I of the course. O to 100% so e and 40% from ng criteria: 0-55 tstanding.	
		1	<b>Fitle</b>		Number of copies in the library	Availability via other media	
Required literature	Marušić M, ur.	Uvod u zr	nanstveni rad	u medicini. 4.			
(available in the library and via other	Kern J, Petrove	čki M, ur.	Medicinska i	2013. nformatika.			
media)	Zagreb: Medici	nska nakla	ada; 2009.				
	Ferenczi E, Mui	rhead N.	Statistika i ep	idemiologija u			
	jednom potezu	. Zagreb:	Medicinska n	aklada; 2011.	ļ		
	Nastavni mater	ijali za po	jedine nastav	ne jedinice			
Optional literature	1. Day RA, Gast	el N. How	i to write and	publish a scier	ntific paper, 6th	n edition.	

(at the time of submission of study	Westport (CT): Greenwood Press; 2006.
programme proposal)	2. Lang T, Secic M. How To report statistics in medicine: annotated guidelines for authors, editors, and reviewers, 2nd edition. Philadelphia (PA): American College of Physicians; 2006.
	3. Hoyt RE, Yoshihashi A, Sutton M. Medical informatics: practical guide for the healthcare professional. Third edition e-book. Lulu.com, 2009.
	4. Ogrinc GS, Headrick LA. Fundamentals of health care improvement. Oakbrook Terrace (IL): USA Joint Commission Resources; 2008.
	5. Committee on Assessing Integrity in Research Environments. Integrity in
	scientific research. Washington, DC: Institute of Medicine and National Research Council; 2002.
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>
Other (as the proposer wishes to add)	

NAME OF THE COU	IRSE	Ethics in dental med	licine				
Code Course teacher	Darko I	Kero, DMD, PhD	Year of study Credits (ECTS)	3rd 2			
Associate teachers			Type of instruction (number of hours)	L 10	S 20	E 0	Т 30
Status of the course	Mandat	tory	Percentage of application of e-learning	0%			
		COURSE I	DESCRIPTION				
Course enrolment requirements and entry competences required for the course	Not app	blicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	• • • •	to analyze basic e technological advan to explain ethical obligations of dent to analyze moral medicine to recognize emen research related to to describe differ toward patients (pa	thical challenges cause ncement of dental medi principles in determini al medicine professiona admissibility of clinic rging ethical dilemmas dental medicine ent types of approach aternalistic, cooperative	ed by cine ng tha ls cal pr in th n of c	rapid s e socie ocedure ne field dental	cientifi tal role es in c of scie profess	c and s and dental entific ionals

	<ul> <li>to record</li> </ul>	ognize et	hical proble	m during the I	oractical clinio	cal c	courses	
Course content broken down in detail by weekly class schedule (syllabus)	<ul> <li>to recc</li> <li>Fundamental e</li> <li>ethics of denta</li> <li>as a profession</li> <li>and bioethics, o</li> <li>professionals (H</li> <li>the code of eth</li> <li>and practical ap</li> <li>making, ethical</li> <li>the protection</li> <li>the principle of</li> </ul>	<sup>2</sup> undamental ethical concepts (ethics, morality, professional ethics, deontology), ethics of dental medicine in science and its relation to bioethics; Dental medicine as a profession, relationship of ethics and profession, methods of medical ethics and bioethics, documents which regulate duties of medical and health professionals (Hippocratic oath, Geneva Declaration, the Declaration of Helsinki, the code of ethics and deontology of dental medicine, quality of life (theoretical and practical approaches); the essential features and factors in ethical decision- making, ethical theories: deontology, utilitarianism and virtue ethics, principles for the protection of physical life, bioethical principles: wider and narrower definition, the principle of autonomy, harmlessness, beneficence and justice, bioethical						
	principles and r professional se patients.	moral pra crecy, rela	ctice - case st ationship der	tudies practices ntists according	s, privacy and t to different ca	rust iteg	, ories of	
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars an</li> <li>□ exercises</li> <li>□ on line in en</li> <li>□ partial e-lear</li> <li>□ field work</li> </ul>	lectures       independent assignments         seminars and workshops       multimedia         exercises       laboratory         on line in entirety       work with mentor         partial e-learning       (other)						
Student responsibilities	According to St	udy Regu	lations					
Screening student work (name the	Class attendance	Class Research				Practical training		
proportion of ECTS credits for each	Experimental work		Report		(Other)	(Other)		
activity so that the total number of	Essay		Seminar essay		(Other)			
ECTS credits is equal to the ECTS	Tests		Oral exam		(Other)	(Other)		
value of the course)	Written exam		Project		(Other)			
Grading and evaluating student work in class and at the final exam	Essay							
		٦	<b>Fitle</b>		Number of copies in the library	Av o	ailability via ther media	
Required literature	Ozar, David and Chairside: Profe Applications (se Georgetown Ui							
(available in the library and via other media)	Williams, Johns medicine World FDI. Elektroničk http://www.fdi	i (2007) P d Dental F a verzija: iworldent	riručnik etike ederation. F al.org/conte	e dentalne erney-Voltaire: nt/fdi-dental-				
	ethics-manual. http://www.hs %20final.pdf Williams, Johns	Hrvatski   k.hr/adm 5 (2007) P	orijevod dost inmax/File/P riručnik etike	upan na: SE%20- • dentalne				

	medicine World Dental Federation. Ferney-Voltaire: FDI. Elektronička verzija: http://www.fdiworldental.org/content/fdi-dental- ethics-manual. Hrvatski prijevod dostupan na: http://www.hsk.hr/adminmax/File/PSE%20- %20final.pdf		
Optional literature (at the time of submission of study programme proposal)	Načela etike i kodeks profesionalnog ponašanja udruženja. Elektronička verzija: http://www.a (Prevela G. Cerjan-Letica).	a Američkog ada.org/prof/	stomatološkog ′prac/law/code
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teache</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>	rs	
Other (as the proposer wishes to add)			

NAME OF THE COU	IRSE	Psychological medic	ine				
Code			Year of study	2nd			
Course teacher	Assoc. MD, Ph	Prof. Dolores Britvić, D	Credits (ECTS)	3			
	Assoc.	Prof. Mirela		L	S	E	Т
Associate teachers	Assist.F MD Phi Varja Đ	Prof. Slavica Jurčević, D; D;	Type of instruction (number of hours)	5	11	24	40
Status of the course	Mandat	Andatory Percentage of application of e-learning					
		COURSE [	DESCRIPTION				
Course enrolment requirements and entry competences required for the course	Not app	Not applicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	•	to identify and explain to describe psychology to identify and descript different diseases to describe and det psychological reaction to describe and apply	n psychological mechanis gical developement be patient's psychologica ect high risk patients fo ns	ms I respo r deve r patie	nse and lopeme	adaptat nt pato n high r	tion to logical isk for

	develoj	pement p	atological psy	chological read	ctions		
	<ul> <li>to desc</li> </ul>	ribe chara	acteristics of a	ppropriate pa	tient- doctor re	elati	onship
	<ul> <li>to app doctors</li> </ul>	<ul> <li>to apply empathy in relationship with patients, their family members, doctors, nurses</li> </ul>					
Course content broken down in detail by weekly class schedule (syllabus)	Psychological r somatic health; psychology; Psy Attachment the Adolescence; M structure; Defe Psychological learning; Resistance;Cou disease; Patien patient; Clinic relationship; Ca dynamics; Psyc In health institu in specific cond	Psychological medicine – general concepts: Health and disease; Psychological and omatic health; Personality development – basic concepts of developmental isychology; Psychodynamic development concept; Object relationship; Attachment theory, Cognitive development; Infancy; Early childhood; Latency; Adolescence; Middle age; Old age; Mental mechanisms; Anxiety; Personality tructure; Defence mechanisms. Psychological medicine – particularities: Patient's story and problem-based earning; Patient's response to disease; Transference; Resistance;Countertransference; Somatic and psychosomatic diseases; Terminal lisease; Patient and chronic disease; Adolescent and somatic disease; Geriatric patient; Clinical interview; Empathy; Counter-transference; Patient-doctor elationship; Case history; Teamwork in medicine and liason psychiatry; Group lynamics; Psychotherapeutic approach in medicine. n health institutions, specific communication skills are emphasized, with persons n specific conditions, with invalid persons what is common in treatment process.					
Format of instruction	<ul> <li>lectures</li> <li>seminars an</li> <li>exercises</li> <li>on line in ent</li> <li>partial e-lear</li> <li>field work</li> </ul>	d worksho tirety ning	ops	<ul> <li>independen</li> <li>multimedia</li> <li>laboratory</li> <li>work with m</li> <li>(othe</li> </ul>	t assignments entor er)		
Student responsibilities	According to St	udy Regu	lations				
Screening student work (name the	Class attendance		Research		Practical traini	ng	
proportion of ECTS credits for each	work		Report		(Other)		
activity so that the total number of	Essay		Seminar essay		(Other)		
ECTS credits is equal to the ECTS	Tests		Oral exam		(Other)		
value of the course)	Written exam		Project		(Other)		
Grading and evaluating student work in class and at the final exam	Written exam,	oral exam					
Required literature (available in the		1	<b>Fitle</b>		Number of copies in the library	Av: of	ailability via ther media
media)	Klain E. Psiholo Zagreb, 1999.	ška medio	cina. Golden N	1arketing,			

Optional literature (at the time of submission of study programme proposal)	<ol> <li>Mayou R, Sharpe M, Carson A: ABC in Psychologi London, 2002.</li> <li>Coulehan JL, Block MR: The Medical Interview Practise, 4th ed., FA Davis Company, Philadelphia</li> </ol>	ical Medicine, : Mastering S , 2001.	BMJ Publishing, Skills for Clinical
Quality assurance methods that ensure the acquisition of exit competences Other (as the proposer wishes to add)	<ul> <li>Teaching quality analysis by students and teacher</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>	rs	

NAME OF THE COU	RSE	Pathophysiology					
Code			Year of study	2nd			
Course teacher	Assoc. Kurir, N	Prof. Tina Tičinović 1D, PhD	Credits (ECTS)	7			
Associate teachers	Prof. D Andre I Assist. MD, Ph Joško B	ragan Ljutić MD, PhD; Bratanić MD, PhD; Prof. Anteo Bradarić, D; ožić, MD;	Type of instruction (number of hours)	L 30	S 35	E 25	т 90
Status of the course	Mandat	tory	Percentage of application of e-learning	0%			
		COURSE [	DESCRIPTION	•			
Course enrolment requirements and entry competences required for the course	Not app	Not applicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	• • •	to analyze the spec and complete react to explain pathophy to describe the ma level to describe and exp to describe the med to explain the basic systems	ific states of organism, ion of the organism to o ysiologic principles of di ain pathophysiological plain the disruption of he chanism of inflammatio	especi disturf sease: proce omeos n ocesse	ially nor pances s esses at static m s of ind	the co echanis	ellular sms organ

Course content broken down in detail by weekly class schedule (syllabus)	Pathophysiolog pathophysiolog level of the who	Pathophysiology of homeostasis, the general principles of the disease, and bathophysiology of organ systems with their connection and integration at the evel of the whole organism.					
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and workshops</li> <li>☑ multimedia</li> <li>☑ multimedia</li> <li>☑ laboratory</li> <li>☑ on line in entirety</li> <li>☑ partial e-learning</li> <li>☑ (other</li> </ul>				t assignments entor r)		
Student responsibilities	According to St	udy Regu	lations				
Screening student work (name the	Class attendance		Research		Practical traini	ng	
proportion of ECTS credits for each	Experimental work		Report		(Other)		
activity so that the total number of	Essay		Seminar essay		(Other)		
ECTS credits is equal to the ECTS	Tests		Oral exam		(Other)		
value of the course)	Written exam		Project		(Other)		
Grading and evaluating student work in class and at the final exam	Written exam,	oral exam	1				
Required literature		٦	<b>Fitle</b>		Number of copies in the library	Availability via other media	
(available in the library and via other media)	Gamulin S., Kov izdanje Medicir	vač Z., Ma nska nakla					
Optional literature (at the time of submission of study programme proposal)	Harrison's Princ	ciples of I	nternal Medi	cine, 15th Editio	I on, McGraw-Hi	II, SAD, 2004.	
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching q</li> <li>Exam pass</li> <li>Committee</li> <li>External ev</li> </ul>	uality ana ing rate a for contro aluation	lysis by stude nalysis ol of teaching	ents and teache reports	irs		
proposer wishes to add)							

NAME OF THE COURSE		Pharmacology	Pharmacology				
Code			Year of study	2nd			
Course teacher Prof. Mladen Boban, MD,		Credits (ECTS)	7				

	PhD								
	Prof. Darko Modun, MD,		L	S	E	Т			
	PhD;		_						
Associate teachers	Assist Prof. Ivana Mudnić,	Type of instruction							
	MD, PhD;	(number of hours)	20	40	30	90			
	Grgo Gunjača, MD;								
	lva Jerčić, MD;								
Status of the course	Mandatory	Percentage of	0%						
		application of e-learning	ļ						
Course enrolment	Not applicable								
requirements and									
entry competences									
required for the									
course			1		<b>+</b> !				
	to describe and exp	iain the general princip	ies of	arug ac	tions				
	(pharmacodynamic	s) and fate of drugs in o	rganis	m					
	(pharmacokinetics)								
	<ul> <li>to describe mechan</li> </ul>	isms of drugs actions							
	<ul> <li>to list therapeutic a</li> </ul>	hd side effects adminis	tratio	n nroce	dures	main			
	indications and con	tra indications for indiv	idual		of drug	-			
			iuuai į	sioups	orurug	)			
Learning outcomes	used in dental medicine								
expected at the	• to list characteristcs of the drugs that are illustrative examples of								
level of the course	individual pharmace	otherapeutic groups and	d subg	groups					
(4 to 10 learning	<ul> <li>to name and explain proper procedure and selection of drugs used</li> </ul>								
outcomes)	by nationt and the	drugs prescribed or ann	lied hy	v a doct	or of de	antal			
	by patient and the drugs prescribed or applied by a doctor of dental								
	medicine								
	to properly write prescriptions for different pharmaceutical								
	formulations of drugs								
	• to list and describe the main phases of new drugs development (pre-								
	clinical, clinical phases I-IV, process of new drugs market approval)								
			-						
	Aims and tasks of the c	ourse include introduct	ion o	f the s	students	with			
	fundamental principles of basic and special Pharmacology and rational								
	pharmacotherapy with particular attention to the drugs in dental medicine.								
-	Basic pharmacology encomp	asses: drug absorption, d	iistribu	tion, m	etabolisi	n and			
Course content	elimination, pharmacokinet	ics, pharmacodynamics,	side	effects	, new	drugs			
detail by weekly	development, drugs affecting	cholinergic and adrenerg	ic syst	ems.					
class schedule	Special pharmacology encon	nnasses: disinfectants a	nticont	ics for	soft and	hard			
(syllabus)	oral cavity tissues antimicro	hial chemotherapy drugs	inschi	in anda	dontice	druge			
	applied on oral museus and	the drugs that increases	tooth		nco to	carios			
	applieu un urai mucusa and	i the unugs that increase				Jan les.			
	Drugs from pharmacotherap	eutic groups that are c	ommo	my use	u in eve	eryday			
	dental practice: local anes	stnetics, sympathomime	tics, a	antimus	carinic	arugs,			
	general anesthetics, and	xiolytic drugs, antihi	stamir	ies, c	orticoste	eroids,			

	nemostyptics. For pharmacotherapeutic groups that doctors of dental medicine do not use in their practice, students are acquainted with pharmacodynamic and pharmacokinetic properties of each pharmacotherapeutic group, as well as possible side effects in orofacial region and interactions with drugs ordinated by a doctor of dental medicine. Drugs prescription includes learning of pharmaceutical formulations, legislation and rules about drugs prescription, distribution and traffic.						
Format of instruction	<ul> <li>lectures</li> <li>seminars an</li> <li>exercises</li> <li>on line in ent</li> <li>partial e-lear</li> <li>field work</li> </ul>	<ul> <li>➢ lectures</li> <li>➢ seminars and workshops</li> <li>➢ exercises</li> <li>☐ independent assignments</li> <li>☐ multimedia</li> <li>☐ laboratory</li> <li>☐ laboratory</li> <li>☐ work with mentor</li> <li>☐ (other)</li> </ul>					
Student responsibilities	According to St	udy Regu	lations				
Screening student	Class attendance		Research		Practical traini	ng	
proportion of ECTS	Experimental Report			(Other)			
activity so that the	Essay Essay		(Other)				
ECTS credits is	Tests		Oral exam		(Other)		
value of the course)	Written exam		Project		(Other)		
Grading and evaluating student work in class and at the final exam	Requirements f activities during prescribing. The contribute to th prerequisite for 50 correct answ	or taking g the cour e exam is ne final m r the oral vers/ poir	the final exa rse of Pharma composed of ark. Successf exam. Writte nts are requir	m is orderly atte acology and con the written tes ul completion c en exam contair ed for passing.	endance to all npleted practions and oral example of the written t as 90 questions	teach cal tes m tha est is 5. Min	ing it in drugs t equally imum of
		٢	<b>Fitle</b>		Number of copies in the library	Avai oth	lability via er media
Required literature (available in the library and via other	Farmakologija 3. Obnovljeno naklada, Zagre	za stoma i dopur b 2011.	itologe, Ilear njeno izdanj	na Linčir i sur., e. Medicinska			
media)	Bradamante V;	Klarica M	l; Šalković-Pe	trišić M,			
	Medicinska nak	lada, 200	8.	greb,			
Optional literature (at the time of submission of study programme	Katzung BG, Ma hrvatsko izdanj Pharmacology.	asters S, T e, Zagreb 11thediti	revor AJ, ure , Medicinska on. New Yorl	dnici. "Temeljn naklada, 2011. <: McGraw-Hill I	a i klinička farr (Basic and Clin Medical; 2009.	nakol iical )	ogija", 1.

proposal)	
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>
Other (as the proposer wishes to add)	

NAME OF THE COURSE General radiology and radiology of orofacial region								
Code			Year of study	3rd				
Course teacher	Prof. Ante Buča, MD, PhD		Credits (ECTS)	3				
	Prof. L MD, Ph	.iana Cambj-Sapunar, iD;		L	S	E	Т	
	Prof. Igor Barišić, MD, PhD; Assist. Prof. Tade Tadić, MD, PhD;		Type of instruction					
Associate teachers	Assist. MD, Pł	Prof. Tonči Batinić, iD;	(number of hours)	15	10	25	50	
	Gordar Krešim	na Glavina, MD; ir Kolić, MD;						
	Ivana Š	tula, MD, PhD;						
Status of the course	Mandatory Percentage of 0% application of e-learning							
	-	COURSE [	DESCRIPTION	-				
Course enrolment requirements and entry competences required for the course	Not ap	blicable.						
	•	to explain the princ against ionizing rad	iple of x-ray radiation a iation	nd wa	ys of pr	otectio	n	
	<ul> <li>to describe the acquisition of the radiograph, object enlargement and deformation margins on radiographs</li> </ul>							
Learning outcomes expected at the level of the course (4 to 10 learning	<ul> <li>to provide relevant imaging methods of examination of the orofacial area</li> </ul>							
outcomes)	<ul> <li>to describe the principles of radiology of jaws and teeth and various types of radiographic images</li> </ul>							
	•	To identify the anat	comical structures on th	e radi	ograph	S		
	•	to identify and show	w anomalies and defect	s of te	of teth, pathological			

	change and wi	es of alve	eolar bone, t	ooth decay, e al membrane	namel wear, i as seen on ra	root dios	resorption graphs		
	<ul> <li>to desi</li> </ul>	cribe bas	ic principles	of radiograph	nic imaging of	par	anasal		
	sinsuse	sinsuses, orbits, salivary glands, TMJ and pharynx							
	<ul> <li>to exp</li> </ul>	<ul> <li>to explain the correlation between morphological changes seen on</li> </ul>							
	radiog	radiographs and clinical status							
	<ul> <li>to expl</li> </ul>	lain metł	nods of prot	ection against	ionizing radia	atio	n		
	-			-					
Course content broken down in detail by weekly class schedule (syllabus)	methods, radiological anatomy of certain tissues, organs and organ systems, and radiological signs of pathological changes. The emphasis is on osteoarticular radiology and radiology of the jaws and teeth. Special attention is paid to conventional radiography of the jaws and teeth including technique of examination, because the dentist often to perform and interpret radiological examination of the region. The introductory section includes radiological imaging methods, radiological devices (especially for dental radiography), x-ray physics and protection against onizing radiation, and introduction to radiology, hospital information systems and systems for digital archiving images (PACS), In general radiographic part deals with radiology individual organ systems in summary form according to the requirements of the study, a somewhat larger part of the course is devoted to osteoarticular radiology. The dental section elaborates in detail with radiological anatomy of the jaw and teeth, pathologic conditions including developmental abnormalities, inflammatory and degenerative processes, traumatic lesions and cumors of the area.								
Format of instruction	<ul> <li>lectures</li> <li>seminars an</li> <li>exercises</li> <li>on line in entility</li> <li>partial e-lear</li> <li>field work</li> </ul>	d worksh tirety ming	ops	<ul> <li>independent</li> <li>multimedia</li> <li>laboratory</li> <li>work with m</li> <li>(other</li> </ul>	nt assignments nentor er)				
Student responsibilities	According to St	udy Regu	lations						
Screening student	Class attendance		Research		Practical traini	ng			
proportion of ECTS credits for each	Experimental work		Report		(Other)				
activity so that the total number of	Essay		Seminar essay		(Other)				
ECTS credits is	Tests		Oral exam		(Other)				
value of the course)	Written exam		Project		(Other)				
Grading and evaluating student work in class and at the final exam	Written exam,	Written exam, oral exam							
Required literature (available in the		-	<b>Fitle</b>		Number of copies in the library	Ava of	ailability via ther media		
media)	Jankovic S, Mile	etic D. Rad	diografija i ra	diologija					
	orofacijalnog p	odručja. N	Medicinski fa	kultet					

	Sveučilišta u Splitu, Split, 2009.					
	Janković S. Seminari iz kliničke radiologije.					
	Medicinski fakultet Sveučilišta u Splitu, Split, 2005.					
	(samo poglavlja: 8. i 11.)					
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Janković S, Eterović D ur.: Fizikalne osnove i kliničk medicinske dijagnostike. Medicinska naklada, Zag</li> </ol>	i aspekti reb, 2002.				
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teache</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>	rs				
Other (as the proposer wishes to add)						

NAME OF THE COU	IRSE	Internal medicine						
Code			Year of study	3rd	3rd			
Course teacher	prof. Ju PhD	ıgoslav Bagatin, MD,	Credits (ECTS)	110				
	prof. N	liroslav Šimunić, MD,		L	S	E	Т	
	prof. D	amir Fabjanić, MD,						
	prof. A	nte Tonkić, MD, PhD;						
	Assist.	prof. Ivica Vuković,						
Associate teachers	prof. Kornelija Miše, MD,		Type of instruction (number of hours)	55	0	55	110	
	PhD; prof. Dragan Ljutić, MD,							
	PhD; Assist. prof. Nediljko Pivac, MD, PhD; Assist. prof. Mladen Krnić, MD, PhD;							
Status of the course	Manda	tory	Percentage of application of e-learning	0%				
		COURSE I	DESCRIPTION					
Course enrolment	Not app	olicable.						
entry competences								
required for the course								
Learning outcomes	•	to describe pharma	cokinetics and pharmad	codyna	amics o	f the m	ost	
expected at the level of the course		commonly used dru	ugs (especially periorally	/ admi	nistere	d		

(4 to 10 learning outcomes)	anticoa	agulants)	)						
	<ul> <li>to deso disease</li> </ul>	<ul> <li>to describe symptoms and clinical signs of the most common diseases in internal medicine</li> </ul>							
	<ul> <li>to list a diagno radiog</li> </ul>	<ul> <li>to list all phases and procedures required for making correct diagnosis (medical history, clinical examination, laboratory tests, radiographic imaging, ultrasound, etc.)</li> </ul>							
	<ul> <li>to list a side-ef medica throm</li> </ul>	<ul> <li>to list and explain application, main indications, counter-indications, side-effects and interactions oft he most commonly used medicaments for treatment of hypertension, blood vessel thrombosis and pneumonia</li> </ul>							
	<ul> <li>to expl respect</li> </ul>	lain valid t to deve	ity and ratio	onality of antin f microbial dru	nicrobials usa ıg resistence	ge w	vith		
	<ul> <li>to expl</li> </ul>	lain impo	ortance of pl	harmacoecono	omics				
Course content broken down in detail by weekly class schedule (syllabus)	Cardiology, Ga Rheumatology	stoenterc and Clinic	ology, Endocr cal Immunolo	inology, Hemat gy.	ology, Pulmolo	ogy, N	Nephrology,		
Format of instruction	<ul> <li>lectures</li> <li>seminars</li> <li>exercises</li> <li>on line in ent</li> <li>partial e-lear</li> <li>field work</li> </ul>	and work tirety ning	shops	<ul> <li>independen</li> <li>multimedia</li> <li>laboratory</li> <li>work with m</li> <li>(othe</li> </ul>	t assignments entor r)				
Student responsibilities	According to St	udy Regu	lations						
Screening student	Class attendance		Research		Practical traini	ng			
proportion of ECTS credits for each	Experimental work		Report		(Other)				
activity so that the total number of	Essay		Seminar essay		(Other)				
ECTS credits is	Tests		Oral exam		(Other)				
value of the course)	Written exam		Project		(Other)				
Grading and evaluating student work in class and at the final exam	Written exam, o	oral exam	n, practical ex	am					
Required literature (available in the		٢	<b>Fitle</b>		Number of copies in the library	Ava otl	ilability via her media		
library and via other media)	B. Vrhovac i naklada. Zagref	sur. Inte 5. 2008	erna medicir	a. Medicinska					
	Metelko Ž, F	larambaš	ić H i sur	. Internistička					

	oropedeutika i osnove fizikalne dijagnostike. Medicinska naklada, Zagreb, 1999. . Hozo i sur. Propedeutika interne medicine					
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Polić S, Bagatin J i Lukin A, ur. Odabrana poglavlja iz kardiovaskulnog lje Jedinica za znanstveni rad, Split, 2004.</li> <li>Hozo I, Miše S, ur. Odabrana poglavlja iz gastroeneterologije. Jedin znanstveni rad, Split, 1999.</li> </ol>	včenja. ica za				
Quality assurance methods that ensure the acquisition of exit competences Other (as the proposer wishes to add)	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>					

NAME OF THE COURSE Infectology								
Code			Year of study	3rd	3rd			
Course teacher	prof. N PhD;	ikola Bradarić, MD,	Credits (ECTS)	2	2			
	prof. Bo asist pr MD. Ph	oris Lukšić, MD, PhD; of. Dragan Ledina, D:	Type of instruction	L	S	E	Т	
Associate teachers	prof. Iv Domini Nikica I	o lvić, MD, PhD; ko Carev, MD, PhD; Kuzmičić,MD	(number of hours)	16	20	4	40	
Status of the course	Mandat	ory	Percentage of application of e-learning	0%				
		COURSE [	DESCRIPTION					
Course enrolment requirements and entry competences required for the course	Not app	blicable.						
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	•	to discern various symptoms, epider treatment protocol to explain the princ to explain the princ diseases of oral cav to explain the princ hepatitis to explain the princ	s infectious diseases, miological distribution s iples of antimicrobial th nciples of treatment o ity nciples of treatment o ciples of prevetion, trea	their , dia nerapy f patio f HIV atmen	clinica gnostic ents wi infectio t and co	al signs tools th infe ons and ontrol d	and and ctious I viral	

	infecti	ous disea	ases					
Course content broken down in detail by weekly class schedule (svllabus)	Basic concepts clinical syndron of diagnostics, diseases, infect	Basic concepts of general infectology, the most frequent infectious diseases and clinical syndroms they causes, the most infectious diseases of oral cavity, principles of diagnostics, rational antimicrobial therapy and prophylaxis of infectious diseases, infections in immunocompromised patients.						
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars an</li> <li>☑ exercises</li> <li>□ on line in en</li> <li>□ partial e-lear</li> <li>□ field work</li> </ul>	<ul> <li>Iectures</li> <li>Iectures</li> <li>seminars and workshops</li> <li>exercises</li> <li>on line in entirety</li> <li>partial e-learning</li> <li>field work</li> </ul>						
Student responsibilities	According to St	udy Regu	lations					
Screening student work (name the	Class attendance		Research		Practical traini	ng		
proportion of ECTS credits for each	Experimental work		Report		(Other)			
activity so that the total number of	Essay		Seminar essay		(Other)			
ECTS credits is equal to the ECTS	Tests		Oral exam		(Other)			
value of the course)	Written exam		Project		(Other)			
Grading and evaluating student work in class and at the final exam	Written exam							
Required literature		-	Title		Number of copies in the library	Availability via other media		
(available in the library and via other	Infektologija za V. Zagreb, Graf	stomato is, 2002.						
ineula)								
(at the time of submission of study programme proposal)	Essentials of microbiology for dental students. Editors: Bagg J, McFarlane TW, Poxton IR, Smith AJ. Oxford univerity press, Glasgow/Edinbourgh 2004.							
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching q</li> <li>Exam pass</li> <li>Committee</li> <li>External ev</li> </ul>	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>						
Other (as the proposer wishes to add)								

NAME OF THE COURSE	Anaesthesiology and intensive care medicine
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Code		Year of study 3rd						
Course teacher	assist. prof. Nenad	Crodite (ECTS)	3					
	Karanović, MD, PhD	Credits (ECTS)						
	asist. prof. Mladen Carev,		L	S	Е	Т		
	MD, PhD;							
	assist. prof. Marko Jukić,							
	MD, PhD;							
	assist. prof. Mihajlo Lojpur,							
	MD, PhD;							
Accesiate teachere	Vjera Marinov, MD, PhD;	Type of instruction						
Associate teachers	Božena Ivančev, MD, PhD;	(number of hours)	13	17	20	50		
	Ivan Agnić, MD, PhD;							
	Božidar Duplančić, MD,							
	MSc;							
	Dragica Kopić, MD, MSc;							
	Željko Ninčević, MD, MSc;							
	Dubravka Kocen, MD, MSc							
Status of the course	Mandatory	Percentage of	0%					
	COURSE	application of e-learning						
Course enrolment	Not applicable							
requirements and	Not applicable.							
entry competences								
required for the								
course								
	<ul> <li>to name and explain</li> </ul>	n the way of administra	tion, i	ndicatio	ons and			
	contraindications, a	is well as side-effects of	vario	us drug	S			
	representing miscel	llaneous groups and sub	ogroup	os				
	• to identify, describe and explain the most important characteristics							
	of neuromuscular, o	cardiovascular, respirato	ory, ki	dney,				
	gastrointestinal and	l endocrine system						
	gasti unitestinai anu enducime system							
Learning outcomes	<ul> <li>to describe, differentiate and explain management of treatment</li> </ul>							
expected at the	procedures in Intensive care units							
(4 to 10 learning								
outcomes)	<ul> <li>to describe, different</li> </ul>	ntiate and explain cond	ucting	of proc	cedures	for		
	various painful situa	ations and procedures c	of vital	signs n	nonitori	ng		
			i vicai	0.0.10				
	<ul> <li>to describe, different</li> </ul>	ntiate and explain proce	dures	of basi	ic and			
	advanced life sunno	ort						
		Л						
	<ul> <li>to describe, different</li> </ul>	ntiate and explain proce	dures	of orga	an dona	tion		
	and transplantation	· · · · · · · · · · · · · · · · · · ·						
		1						
Course content	History and theories of anest	hesia. Pathophysiology of	<sup>f</sup> multi	ple orga	n failure	s.		
broken down in	Reanimatology and intensive	care of critically ill or iniu	red pa	tients. A	nesthes	ia		
detail by weekly	procedures. Pharmacology of	agents used in anesthesia	a, inter	nsive ca	re and			
ciass schedule (syllabus)	treatment of pain. Basic infor	mation on organ harvesti	ng, and	d therap	y of pair	า.		

Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and workshops</li> <li>☑ exercises</li> <li>☑ on line in entirety</li> <li>☑ partial e-learning</li> <li>☑ (other section (content of the section))</li> </ul>			t assignments entor er)			
Student responsibilities	According to St	udy Regu	lations				
Screening student	Class attendance		Research		Practical traini	ng	
proportion of ECTS credits for each	Experimental work		Report		(Other)		
activity so that the total number of	Essay		Seminar essay		(Other)		
ECTS credits is equal to the ECTS	Tests		Oral exam		(Other)		
value of the course)	Written exam		Project		(Other)		
Grading and evaluating student work in class and at the final exam	Written exam,	Vritten exam, oral exam					
		٦	<b>Fitle</b>		Number of copies in the library	Av o	ailability via ther media
Required literature (available in the	Jukić M, Majerić Kogler V, Husedžinović I, Sekulić A, Žunić J., Kvolik S. Klinička anesteziologija. Zagreb: Medicinska naklada; 2012.						
media)	Jukić M, Gašpa Kogler V, Perić Zagreb: Medici						
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Bongard FS, Sue DY ed. Current critical care diagnosis and treatment. 3rd edition. McGraw-Hill Comp; 2008.</li> <li>Morgan GE, Mikhail MS, Murray MJ ed. Clinical anesthesiology. 5th edition. McGraw-Hill Comp: 2013.</li> </ol>						
Quality assurance methods that ensure the acquisition of exit competences Other (as the	<ul> <li>Teaching q</li> <li>Exam pass</li> <li>Committee</li> <li>External ev</li> </ul>	IcGraw-Hill Comp; 2013. Teaching quality analysis by students and teachers Exam passing rate analysis Committee for control of teaching reports External evaluation					
proposer wishes to add)							

NAME OF THE COURSE Dermatovenerology				
Code			Year of study	3rd
Course teacher	Prof. N	eira Puizina-Ivić, MD,	Credits (ECTS)	2

	PhD							
	Deny Anđelinović	ć, Ph.D;		Type of instruction		S	Е	Т
Associate teachers	Antonela Čarija, N	MD;	Type of					
	Ranka Ivanišević,	MD;	(numbe	r of hours)	15	0	15	30
	Olga Kosor MD;							
Status of the course	Mandatory		Percent	age of	0%			
		COURSE	applicat	ion of e-learning				
Course enrolment	Not applicable	COURSE						
requirements and entry competences required for the course								
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to recognise to recognise to explain diseases</li> <li>to describute to plan and to relate cavity</li> </ul>	<ul> <li>to recognize and describe clinical feature of the most important skin diseases</li> <li>to explain the treatments methods of skin diseases as well as veneral diseases</li> <li>to describe therapeutic approach for topical treatment</li> <li>to plan and implement specific local tretament</li> <li>to relate particular skin diseases with manifestations on the mucosa of oral cavity</li> </ul>						
Course content broken down in detail by weekly class schedule (syllabus)	General and spec and therapy: the diagnosis of skin of systemic treatme and bacterial infe diseases of the ski bullous dermatos dermatoses, eryth diseases and skin and sweat glands disorders of bood	General and special dermatology with comprehensive approach to the diagnosis and therapy: the basic structure and function of the skin and appendages, diagnosis of skin disorders, physical forms of treatment, propedeutics, local and systemic treatment in dermatology, infectious diseases of the skin (viruses, fungal and bacterial infections, infestations), sexually transmitted diseases, allergic diseases of the skin, skin reactions to light, skin damage by the physical agents, pullous dermatoses, autoimmune diseases, erythematosquamosous and papulous dermatoses, erythematous diseases, disorders of keratinization, pre-cancerous diseases and skin tumors, disorders of pigmentation, hair diseases, sebaceoous and sweat glands diseases, diseases of oral mucosa and tongue, nail disorders, disorders of bood vessels and lumphatics						
Format of instruction	Image: Sector of a cost							
Student responsibilities	According to Stud	dy Regulat	ions					
Screening student	Class	R	esearch	1	Practical	training		
work (name the proportion of ECTS credits for each	Experimental work	R	eport		(0	Other)		
activity so that the total number of	Essay	Se	eminar ssay		(0	Other)		
ECTS credits is	Tests	0	ral exam		(0	Other)		
value of the course)	Written exam	Pi	roject		(0	Other)		
Grading and evaluating student work in class and at the final exam	Written exam, or	al exam						

	Title	Number of copies in the library	Availability via other media
Required literature (available in the	Lipozenčić J i sur. Dermatovenerologija, Medicinska naklada, Zagreb, 2008.		
library and via other media)	Basta-Juzbašić i sur. Dermatovenerologija,		
modiay	Medicinska naklada, Zagreb, 2014.		
Optional literature (at the time of submission of study programme proposal)	Bolognia JL, Jorizzo JL, Schaffer JV. Dermatology, 3rd 2012.	edition, Elsevi	er Saunders
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teacher</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>	rs	
Other (as the proposer wishes to add)			

NAME OF THE COURSE Oncology and tumours of orofacial region							
Code			Year of study	3rd			
Course teacher	prof. Eo PhD	duard Vrdoljak, MD,	Credits (ECTS)	2			
	assist.	prof. Marijo Boban,		L	S	E	Т
Associate teachers	MD, Pr assist.   Omrče Branka PhD; Tihana PhD; Lidija B Marija	iD; prof. Tomislav n, MD, PhD; Petrić Miše, MD, Boraska Jelavić, MD, ošković, MD, MSc; Ban, MD;	Type of instruction (number of hours)	5	10	15	30
Status of the course	Manda	tory	Percentage of application of e-learning	0%			
		COURSE [	DESCRIPTION				
Course enrolment requirements and entry competences required for the course	Not applicable.						
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	•	<ul> <li>to list, describe and explain biology, etiology an epidemiology of malignant tumors with respect to orofacial region</li> <li>to explain and classify malignant tumors</li> <li>to recognize the symptoms of malignant tumors of orofacial region</li> </ul>				gy of gion	

	<ul> <li>to explain, analyze and relate various modalities of oncologic treatment (cytostatic treatment, radiotherapy, hormonal therapy, immunotherapy, gene therapy)</li> <li>to design, plan and provide example of individual patient treatment options</li> <li>to list and discuss unwanted side-effects of specific oncologic treatment</li> <li>to critically value topics and reading materials presented on lectures an seminars</li> </ul>						
Course content broken down in detail by weekly class schedule (syllabus)	Biology, etiolog other specific for therapy, photo- metastatic ther Head and neck Head and neck salivary glands) Tumors of the u unintended cor supportive ther bisphosphonato The unintended supportive ther Prevention and Psychosocial as The care of the	ther specific forms of cancer treatment: hormonal therapy, immunotherapy, gene nerapy, photodynamic therapy, hyperthermia, anti-angiogenesis therapies, anti- netastatic therapy), multimodal approach for the treatment of tumors, lead and neck tumors (mouth, nose and paranasal sinuses), lead and neck tumors II (pharynx), tumors of the head and neck III (larynx and alivary glands), skin tumors and melanoma, umors of the upper gastrointestinal tract (esophagus, stomach), lung cancer. The nintended consequences of specific oncological treatment / symptomatic upportive therapy (unwanted effects of chemotherapy, radiotherapy, isphosphonates, targeted therapies), he unintended consequence of specific oncological treatment / symptomatic upportive therapy (pain, nausea, vomiting, hematologic toxicity), revention and diagnosis of malignant disease, sychosocial aspects of cancer patients, he care of the patient with cancer terminally ill.					
Format of instruction	<ul> <li>lectures</li> <li>seminars an</li> <li>exercises</li> <li>on line in ent</li> <li>partial e-lear</li> <li>field work</li> </ul>	<ul> <li>✓ lectures</li> <li>✓ seminars and workshops</li> <li>✓ exercises</li> <li>✓ on line in entirety</li> <li>✓ partial e-learning</li> <li>✓ (otherwork</li> </ul>			t assignments entor r)		
Student responsibilities	In accordance t	o Rules o	f studying and	d Deontological	code for USS	M s	tudents.
Screening student work <i>(name the</i> proportion of ECTS credits for each	Class attendance Experimental work		Research Report		Practical trainin (Other)	ng	
activity so that the total number of	Essay		Seminar essay		(Other)		
ECTS credits is equal to the ECTS	Tests		Oral exam		(Other)		
value of the course)	Written exam		Project		(Other)		
Grading and evaluating student work in class and at the final exam	Written exam,	oral exam					
Required literature (available in the		T	<b>Title</b>		Number of copies in the library	Av o	ailability via ther media
media)	<u>E Vrdoljak</u> , <u>Z K</u> <u>Petković</u> , <u>D G</u> u						

	Medicinska naklada, Zagreb 2013							
	1. Halperin EC, Brady LW, Wazer DE, P	erez CA, edit	ors. Perez and					
	Brady's Principles and Practice of R	adiation Onc	ology. 6th ed.					
Optional literature (at the time of	Philadelphia (PA): Lippincott, Williams&	Wilkins; 2013						
submission of study	2. DeVita VT, Lawrence TS, Rosenberg SA, editors. DeVita, Hellman,							
proposal)	and Rosenberg's Cancer: Principles & F	ractice of On	cology. 9th ed.					
	Philadelphia (PA): Lippincott, Williams 8	Wilkins; 2012	2.					
Quality assurance	<ul> <li>Teaching quality analysis by students and teach</li> </ul>	ers						
methods that	<ul> <li>Exam passing rate analysis</li> </ul>							
acquisition of exit	Committee for control of teaching reports     External evaluation	Committee for control of teaching reports						
competences								
Other (as the								
add)								

NAME OF THE COU	IRSE	Otorhinolaryngology	,				
Code			Year of study	3rd			
Course teacher	Assist. Poljak,	Prof. Nikola Kolja MD, PhD	Credits (ECTS)	3			
	Prof. d	r. Goran Račić, MD,		L	S	E	Т
Associate teachers	Assist. MD, Ph Assist.F MD, Ph Assist.F MD, Ph Assist.F PhD;	Prof. Zaviša Čolović, ID; Prof. Draško Cikojević, ID; Prof. Marisa Klančnik, ID; Prof Petar Drviš, MD,	Type of instruction (number of hours)	15	15	15	45
Status of the course	Manda	tory	Percentage of application of e-learning	0%			
	•	COURSE D	DESCRIPTION	•			
Course enrolment requirements and entry competences required for the course	Not app	lot applicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	•	<ul> <li>to participate in taking of medical history (anamnesis) and ENT example of a patient</li> <li>to describe therapeutic approaches for the most common ENI diseases</li> <li>to describe therapeutic algorithm of ENT emergencies</li> </ul>				exam ENT	

	<ul> <li>to describe symptoms of ENT malignancies</li> <li>to describe treatment of ENT malignancies</li> </ul>						
Course content broken down in detail by weekly class schedule (syllabus)	Diseases of ear concha auricula bleeding, nose decreased/lost swelling and pa tonsillar proble (hoarseness, sw oncology of EN salivary glands,	Diseases of ear (otalgia, ear channel itching, ear discharge, anomalies of the concha auriculae, deafness/hearing loss, tinnitus, dizziness), nose diseases (nose bleeding, nose deformity, nose obstruction and discharge, sneezing, snoring, decreased/lost sense of smell), oropharyngeal diseases (jaw crunching, neck welling and pain, anomalies of the oral cavity and tongue, hypersalivation, onsillar problem, dry mouth, taste disorder, fetor ex ore), laryngeal diseases hoarseness, swallowing problems, differential diagnosis of «pharyngeal globus»), oncology of ENT region, plastic reconstructive surgery of ENT region, disease of paliyang glands, thyroid gland and parathyroid glands.					
Format of instruction	<ul> <li>lectures</li> <li>seminars an</li> <li>exercises</li> <li>on line in ent</li> <li>partial e-lear</li> <li>field work</li> </ul>	☑ lectures       □ independent assignments         ☑ seminars and workshops       □ independent assignments         ☑ exercises       □ laboratory         □ on line in entirety       □ work with mentor         □ partial e-learning       □ (other)					
Student responsibilities	According to St	udy Regu	lations				
Screening student work (name the	Class attendance		Research	Practical training			
proportion of ECTS credits for each	Experimental work		Report		(Other)		
activity so that the total number of	Essay		Seminar essay		(Other)		
ECTS credits is	Tests		Oral exam		(Other)		
value of the course)	Written exam		Project		(Other)	(Other)	
Grading and evaluating student work in class and at the final exam	Written exam						
			ſitle		Number of copies in the library	Ava of	ailability via ther media
-	Wax MK. Prima	ry Care O	tolaryngolog	y. AAO-HNS,			
Required literature (available in the	Skripta iz	otorinola	ringologije	za studente	2		
library and via other media)	stomatologije, t	tisak Znar	nje, 2001.				
	Ž. Bumber i s	ur. Otori	nolaringologi	ja, Medicinska	1		
	biblioteka, Nak	ada Ljeva	ik, 2004.				
Optional literature (at the time of	Johnson JT, Ros edition, Walter	en CA et s Kluwer/	al. Bailey's H Lippincot Wil	lead &Neck Sur liams & Wilkins	gery – Otolary ; 2013.	ngol	ogy, 5th
submission of study programme proposal)	Cummings CW, Head and Neck	Haughey Surgery.	BH, Regan T Mosby, 4 edi	homas J, Harke tion. 2004.	r LA, Flint PW.	Oto	laryngology:

	Dječja otorinolaringologija, Z. Krajina i sur., Šk. knjiga, 1998. Temelji funkcijske endoskopske sinusne kirurgije, R. Mladina, Šk. knjiga,
	1994.
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>
Other (as the proposer wishes to add)	

NAME OF THE COU	IRSE	Ophthalmology					
Code			Year of study	3rd			
Course teacher	Prof. N PhD	lilan Ivanišević, MD,	Credits (ECTS)	1			
Associate teachers	Prof. Lovro Bojić, MD, PhD; Prof. Ksenija Karaman, MD, Ph.D; Assoc. Prof. Kajo Bućan, MD, PhD.; Assist. Prof. Veljko Rogošić, MD, PhD; Assist. Prof. Davor Galetović, MD, PhD; Assist. Prof. Dobrila Karlica Utrobičić, MD, PhD; Svjetlana Matijević, MD, MSc;		Type of instruction (number of hours)	7	S 7	Е 6	T 20
Status of the course	Mandat	tory	Percentage of application of e-learning	0%			
		COURSE [	DESCRIPTION				
Course enrolment requirements and entry competences required for the course	Not app	blicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	•	<ul> <li>to identify the normal visual organ function</li> <li>to compare correlation between visual organ and the oth systems of the body</li> <li>to describe the basic eye diseases sypmtomatology, diagonal essential guidelines of therapeuticals procedures</li> <li>to carry out an examination of an eye on patient</li> </ul>					organ e and

	• to exp	plain the	e principle	of setting ι	up a diagnos	se and	simple			
	therap	eutical p	rocedures							
Course content broken down in detail by weekly class schedule (syllabus)	Definition of op areas, therapy a examination of administration of special patholog conjunctiva (con and diabetic ret ophthalmology strabismus, ortl hemorrhage, hy penetrating inju	refinition of ophthalmology, classification of ophthalmolgy into subspecialization reas, therapy and diagnostics procedures in ophthalmology (ophthalmic history, xamination of the outer eye and adnexa in diffuse and focused light, dministration of eyedrops and ointment), anatomy, embriology, general and pecial pathology, orbital diseases (orbital cellulitis), eyelids, lacrimal apparatus, onjunctiva (conjunctivitis), cornea and sclera, uvea (uveitis), retina (hypertensive nd diabetic retinopathy), lens and vitreous (cataract), glaucoma, neuro- phthalmology (optic neuritis), refraction (refractive anomalies, presbyopia), trabismus, ortho-pleoptics, ocular trauma (orbital trauma, subconjunctival memorrhage, hyphema, corneal erosion, conjunctival and corneal foreign bodies, menetrating injury of the eye), eye pharmacology (atropine, timolol).								
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and</li> <li>☑ exercises</li> <li>□ on line in ent</li> <li>□ partial e-lear</li> <li>□ field work</li> </ul>	lectures       independent assignments         seminars and workshops       multimedia         exercises       laboratory         on line in entirety       work with mentor         partial e-learning       (other)								
Student responsibilities	According to St	udy Regu	lations							
Screening student work (name the proportion of ECTS	Class attendance Experimental work		Research Report		Practical traini (Other)	ng				
activity so that the	Essay		Seminar essay		(Other)					
ECTS credits is	Tests		Oral exam		(Other)					
value of the course)	Written exam		Project		(Other)					
Grading and evaluating student work in class and at the final exam	Written exam									
		7	<b>Fitle</b>		Number of copies in the library	Availa other	bility via <sup>.</sup> media			
Required literature (available in the library and via other	Šikić J. i sur. novine, 2003.	Oftalmo	ologija. Zag	reb: Narodne	2					
media)	Ivanišević M. P Split: Medicinsk	riručnik (i fakultet)	za vježbe iz : Sveučilišta ι	oftalmologije. J Splitu, 2001.						
Optional literature (at the time of submission of study programme proposal)	Bušić M, Kuzma Cerovski d.o.o.,	nović Ela 2012.	bjer B, Bosna	ar D. Seminaria	ophthalmologi	ica. Osije	ek:			
Quality assurance methods that ensure the	<ul> <li>Teaching qu</li> <li>Exam passi</li> <li>Committee</li> </ul>	Jality ana Ing rate a for contrc	lysis by stude nalysis ol of teaching	ents and teacher	ərs					

acquisition of exit	<ul> <li>External evaluation</li> </ul>
competences	
Other (as the	
proposer wishes to	
add)	

NAME OF THE COU	RSE	Materials in dental n	nedicine				
Code			Year of study	3rd			
Course teacher	Assista Kovačić	nt professor Ivan ć, DMD, PhD	Credits (ECTS)	2			
	Profess Lukend	or Dolores Biočina- la, DMD, PhD;		L	S	E	Т
Associate teachers	Ognjen PhD; Jozo Ba Slavica	ović Mirošević, DMD, ndrov, DMD, MSc; Pejda, DMD, PhD;	Type of instruction (number of hours)	30	0	0	30
Status of the course	Manda	tory	Percentage of application of e-learning	0%			
		COURSE D	DESCRIPTION	<u>I</u>			
Course enrolment requirements and entry competences required for the course	Not app	blicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to</li> <li>of a</li> <li>to a</li> <li>to a</li> <li>to a</li> <li>to a</li> <li>to a</li> </ul>	describe the basic me dental materials classify metal alloys us describe polymeric ma classify and describe th describe the materials describe the correct ha ocedures in the dental	chanical, physical, chemi ed in dental medicine terials in dental medicine ne properties of dental ce used in restorative dentis andling of certain materia laboratory in which certai	cal and ramics stry Is and in mate	technolog technolog	ical prop ogical ed	perties
Course content broken down in detail by weekly class schedule (syllabus)	Course dental on how Thema - - - - - - - -	e content refers to t materials in dental sur to use technology and tic sections: Structure and proper Alloys in dental medie Polymer materials in Ceramic Materials Impression materials	he theoretical knowledg gery and dental laborator d procedures related to a ties of dental materials cine dental medicine	e abo ry. Foll particu	ut the owing th ular mat	applicat ne inforr erial.	ion of nation

	- Compos	site materials and ar	nalgam							
	- Dental	wound covering mat	erials and root ca	anal filling mate	erials					
	- Enamel	, dentin bonding sys	tems							
	- Cement	ts								
	- Materia	als in oral surgery								
	- Materia	als in orthodontics								
	- Auxiliar	- Auxiliary materials in the dental laboratory								
	- Finishin	- Finishing works on dental materials								
	- The imp	bact of dental mater	als to the surrou	nding tissues						
	$\square$ seminars an	nd workshops		t assignments						
Format of										
instruction	□ <i>on line</i> in ent	irety								
	□ partial e-lear	ning								
	☐ field work	-		<i></i>						
Student responsibilities	According to St	udy Regulations								
Screening student	Class attendance	Research		Practical training	ng					
proportion of ECTS credits for each	Experimental work	Report		(Other)						
activity so that the total number of	Essay	Seminar essay		(Other)						
ECTS credits is equal to the ECTS	Tests	Oral exam		(Other)						
value of the course)	Written exam	Project		(Other)						
Grading and evaluating student work in class and at the final exam	Written exam									
	Number of									
		Title Title Availabil								
		Title		copies in the library	other media					
	Jerolimov V i s Stomatološki fa	<b>Title</b> sur. Stomatološki m kultet; 2005.	aterijali. Zagreb:	copies in the library	other media					
Required literature	Jerolimov V i s Stomatološki fa Živko-Babić J., .	<b>Title</b> sur. Stomatološki m kultet; 2005. Jerolimov V. Metali	aterijali. Zagreb: u stomatološkoj	copies in the library	other media					
Required literature (available in the library and via other modia)	Jerolimov V i s Stomatološki fa Živko-Babić J., . protetici. Zagre	Title sur. Stomatološki m kultet; 2005. Jerolimov V. Metali b: Školska knjiga; 20	aterijali. Zagreb: u stomatološkoj 05.	copies in the library	other media					
Required literature (available in the library and via other media)	Jerolimov V i s Stomatološki fa Živko-Babić J., . protetici. Zagrel Mehulić K. Ke	Title sur. Stomatološki m kultet; 2005. Jerolimov V. Metali b: Školska knjiga; 20 ramički materijali	aterijali. Zagreb: u stomatološkoj 05. u stomatološkoj	copies in the library	other media					
Required literature (available in the library and via other media)	Jerolimov V i s Stomatološki fa Živko-Babić J., . protetici. Zagrel Mehulić K. Ke protetici. Zagrel	Title sur. Stomatološki m kultet; 2005. Jerolimov V. Metali b: Školska knjiga; 20 ramički materijali b: Školska knjiga; 20	aterijali. Zagreb: u stomatološkoj 05. u stomatološkoj 10.	copies in the library	other media					
Required literature (available in the library and via other media)	Jerolimov V i s Stomatološki fa Živko-Babić J., . protetici. Zagrel Mehulić K. Ke protetici. Zagrel Šutalo J i sur.	Title sur. Stomatološki m kultet; 2005. Jerolimov V. Metali b: Školska knjiga; 20 ramički materijali b: Školska knjiga; 20 Patologija i terapi	aterijali. Zagreb: u stomatološkoj D5. u stomatološkoj 10. ia tvrdih zubnih	copies in the library	other media					
Required literature (available in the library and via other media)	Jerolimov V i s Stomatološki fa Živko-Babić J., . protetici. Zagrel Mehulić K. Ke protetici. Zagrel Šutalo J i sur. tkiva. Zagreb: N	Title sur. Stomatološki m kultet; 2005. Jerolimov V. Metali b: Školska knjiga; 20 ramički materijali b: Školska knjiga; 20 Patologija i terapi laklada Zadro; 1994.	aterijali. Zagreb: u stomatološkoj 05. u stomatološkoj 10. ja tvrdih zubnih	copies in the library	other media					
Required literature (available in the library and via other media) Optional literature	Jerolimov V i s Stomatološki fa Živko-Babić J., . protetici. Zagrel Mehulić K. Ke protetici. Zagrel Šutalo J i sur. tkiva. Zagreb: N	Title sur. Stomatološki m kultet; 2005. Jerolimov V. Metali b: Školska knjiga; 20 ramički materijali b: Školska knjiga; 20 Patologija i terapi laklada Zadro; 1994.	aterijali. Zagreb: u stomatološkoj D5. u stomatološkoj 10. ja tvrdih zubnih	copies in the library	other media					
Required literature (available in the library and via other media) Optional literature (at the time of	Jerolimov V i s Stomatološki fa Živko-Babić J., . protetici. Zagrel Mehulić K. Ke protetici. Zagrel Šutalo J i sur. tkiva. Zagreb: N Mc Cabe JF. App Publications. 19	Title sur. Stomatološki m kultet; 2005. Jerolimov V. Metali b: Školska knjiga; 20 ramički materijali b: Školska knjiga; 20 Patologija i terapi laklada Zadro; 1994. plied Dental Materia	aterijali. Zagreb: u stomatološkoj D5. u stomatološkoj 10. ja tvrdih zubnih ls. 71th Ed. Oxfor	copies in the library	cientific					
Required literature (available in the library and via other media) Optional literature (at the time of submission of study	Jerolimov V i s Stomatološki fa Živko-Babić J., . protetici. Zagrel Mehulić K. Ke protetici. Zagrel Šutalo J i sur. tkiva. Zagreb: N Mc Cabe JF. App Publications, 19	Title sur. Stomatološki m kultet; 2005. Jerolimov V. Metali b: Školska knjiga; 20 ramički materijali b: Školska knjiga; 20 Patologija i terapi Jaklada Zadro; 1994. plied Dental Materia 990.	aterijali. Zagreb: u stomatološkoj 05. u stomatološkoj 10. ja tvrdih zubnih ls. 71th Ed. Oxfor	copies in the library	cientific					
Required literature (available in the library and via other media) Optional literature (at the time of submission of study programme proposal)	Jerolimov V i s Stomatološki fa Živko-Babić J., . protetici. Zagrel Mehulić K. Ke protetici. Zagrel Šutalo J i sur. tkiva. Zagreb: N Mc Cabe JF. App Publications, 19	Title sur. Stomatološki m kultet; 2005. Jerolimov V. Metali b: Školska knjiga; 20 ramički materijali b: Školska knjiga; 20 Patologija i terapi laklada Zadro; 1994. plied Dental Materia 990.	aterijali. Zagreb: u stomatološkoj D5. u stomatološkoj 10. ja tvrdih zubnih ls. 71th Ed. Oxfor	copies in the library	cientific					
Required literature (available in the library and via other media) Optional literature (at the time of submission of study programme proposal) Quality assurance	Jerolimov V i s Stomatološki fa Živko-Babić J., . protetici. Zagrel Mehulić K. Ke protetici. Zagrel Šutalo J i sur. tkiva. Zagreb: N Mc Cabe JF. App Publications, 19	Title sur. Stomatološki m kultet; 2005. Jerolimov V. Metali b: Školska knjiga; 20 ramički materijali b: Školska knjiga; 20 Patologija i terapi Jaklada Zadro; 1994. plied Dental Materia 990.	aterijali. Zagreb: u stomatološkoj D5. u stomatološkoj 10. ja tvrdih zubnih ls. 71th Ed. Oxfor	copies in the library	cientific					
Required literature (available in the library and via other media) Optional literature (at the time of submission of study programme proposal) Quality assurance methods that	Jerolimov V i s Stomatološki fa Živko-Babić J., , protetici. Zagrel Mehulić K. Ke protetici. Zagrel Šutalo J i sur. tkiva. Zagreb: N Mc Cabe JF. App Publications, 19 • Teaching qu • Exam passi	Title Sur. Stomatološki m kultet; 2005. Jerolimov V. Metali b: Školska knjiga; 20 ramički materijali b: Školska knjiga; 20 Patologija i terapi laklada Zadro; 1994. plied Dental Materia 990.	aterijali. Zagreb: u stomatološkoj 05. u stomatološkoj 10. ja tvrdih zubnih ls. 71th Ed. Oxfor dents and teache	copies in the library	cientific					

acquisition of exit competences	<ul><li>Committee for control of teaching reports</li><li>External evaluation</li></ul>
Other (as the proposer wishes to add)	

NAME OF THE COU	JRSE	Propedeutics of den	tal medicine				
Code			Year of study	3rd			
Course teacher	prof. D Lukenc	olores Biočina- la, DMD, PhD	Credits (ECTS)	2			
Associate teachers	Assist. prof. Ivan Kovačić, DMD, PhD; Assist. prof. Marina Ognjenović Mirošević, DMD, PhD; Jozo Badrov, DMD, MSc; Katica Parat, DMD, MSc; Katica Parat, DMD, MSc; Antonija Tadin, DMD, PhD; Ivana Medvedec Mikić, DMD, PhD; Dario Repić, DMD, PhD; Slavica Pejda, DMD, PhD; Slavica Pejda, DMD, PhD; Danijela Kalibović Govorko, DMD, PhD; Marija Nosić, DMD, MSc; Lidija Gavić, DMD, MSc; Darko Kero, DMD, PhD; Tea Galić, DMD;		Type of instruction (number of hours)	L S E 10 10 10		Т 30	
Status of the course	Manda	tory	Percentage of application of e-learning	0%		· · · · · ·	
		COURSE	DESCRIPTION				
Course enrolment requirements and entry competences required for the course	Not app	olicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	• • • • •	<ul> <li>to list and to describe the dental office and dental lab equipment</li> <li>to list and to describe instruments used in dental medicine</li> <li>to describe procedures of total and partial disinfection (dental or equipment, instruments)</li> <li>to describe the cleaning of instruments and sterilization procedures</li> <li>to list and to describe means of dental office safety protocols</li> <li>to list and describe the most common diagnostic tools and met used in dental medicine</li> <li>to discuss the importance of interdisciplinary approach in cliproblem solving</li> </ul>					office, s thods clinical
broken down in	Examir	ation of the patient; P	atients records; Clinical tr	ials, Ba	asics of	radiogra	m

detail by weekly class schedule (syllabus)	analysis; Reception and treatment of patients suffering from infectious diseases; Infection control; Clinical procedures; Sterilization; Disinfection; Propedeutics in certain areas of dentistry;						
Format of instruction	<ul> <li>lectures</li> <li>seminars and</li> <li>exercises</li> <li>on line in enti</li> <li>partial e-learn</li> <li>field work</li> </ul>	l workshops rety ning	: assignments entor r)				
Student responsibilities	According to Stu	udy Regulations					
Screening student work <i>(name the</i> proportion of ECTS	Class attendance Experimental	Research Report		Practical traini	ng		
credits for each activity so that the total number of	Essay	Seminar essay		(Other)			
ECTS credits is	Tests	Oral exam		(Other)			
value of the course)	Written exam	Project		(Other)			
Grading and evaluating student work in class and at the final exam	Written exam						
		Title		Number of copies in the library	Availability via other media		
Required literature (available in the library and via other media)	Pezelj-Ribarić S: dijagnostika. Rije u Rijeci; 2009.	<b>Title</b> Stomatološka propec eka: Medicinski fakult	deutika i tet Sveučilišta	Number of copies in the library	Availability via other media		
Required literature (available in the library and via other media)	Pezelj-Ribarić S: dijagnostika. Rije u Rijeci; 2009.	<b>Title</b> Stomatološka propec eka: Medicinski fakult	deutika i tet Sveučilišta	Number of copies in the library	Availability via other media		
Required literature (available in the library and via other media)	Pezelj-Ribarić S: dijagnostika. Rija u Rijeci; 2009.	Title Stomatološka propec eka: Medicinski fakult	deutika i tet Sveučilišta	Number of copies in the library	Availability via other media		
Required literature (available in the library and via other media) Optional literature (at the time of submission of study programme proposal)	Pezelj-Ribarić S: dijagnostika. Rije u Rijeci; 2009. 1. Besner E, M Endodontics 2. Šutalo J i poglavlja), M 3. Wilkins EM. Wilkins	Title Stomatološka propec eka: Medicinski fakult Michanowicz AE, Mi (odabrana poglavlja) sur. Patologija i Vaklada Zadro Clinical practice of t	deutika i tet Sveučilišta chanowicz JP. , Mosby terapija tvrdi the dental hygie	Number of copies in the library A Clinical At h zubnih tk	Availability via other media		
Required literature (available in the library and via other media) Optional literature (at the time of submission of study programme proposal) Quality assurance methods that ensure the acquisition of exit competences	Pezelj-Ribarić S: dijagnostika. Rije u Rijeci; 2009. 1. Besner E, M Endodontics 2. Šutalo J i poglavlja), M 3. Wilkins EM. Wilkins • Teaching qu • Exam passir • Committee f • External eva	Title Stomatološka proped eka: Medicinski fakult Michanowicz AE, Mi (odabrana poglavlja) sur. Patologija i Vaklada Zadro Clinical practice of t nality analysis by stude or control of teaching aluation	deutika i tet Sveučilišta chanowicz JP. , Mosby terapija tvrdi the dental hygie ents and teache reports	Number of copies in the library A Clinical At h zubnih tk enist. Baltimor	Availability via other media		

NAME OF THE COU	OURSE Cariology						
Code			Year of study	3rd			
Course teacher	Assist. Ognjen PhD	Prof. Marina ović Mirošević, DMD,	Credits (ECTS)	2			
Associate teachers	Antonij Ivana N DMD, F Dario B	a Tadin, DMD, PhD; Aedvedec Mikić, PhD; enić DMD, PhD;	Type of instruction (number of hours)	L 15	S 10	E 5	Т 30
Status of the course	Mandat	tory	Percentage of	0%			
	<u>.</u>	COURSE [	DESCRIPTION	ļ			
Course enrolment requirements and entry competences required for the course	Not app	blicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	•	to specify and to desc and supporting struct histological structure to identify and to desc to identify, describe a hard dental tissues to describe the princi to specify and to desc classification of caries to specify and to desc levels to describe the influe dental caries to specify and to desc lesions to list and to describe decay	cribe the stages of growth tures as well as the chemi of hard dental tissues scribe developmental ano and classify physical and c ples of dental caries deve cribe risk factors for devel s lesions cribe caries lesions on clin ence of saliva and dental p cribe the diagnostic metho	and d cal cor malies hemica lopme opmer ical an laque ods use	evelopn npositio of hard al impain nt nt of der d histop on deve ed to co	nent of t n and dental t ments c ntal carie patholog lopment nfirm ca veloping	eeth issues of es and ical : of ries tooth
Course content broken down in detail by weekly class schedule (syllabus)	Course diagnos lecture Thema - The gi - Histol - Devel - Etiolo - Classi dental - Histop - Preve	<ul> <li>to list and to describe tests used for assessment of risk of developing to decay</li> <li>Course "Cariesology" refers to theoretical knowledge related to the recognition diagnosis and prevention of caries and non-caries damage of hard tooth tissue. lectures are accompanied by seminars.</li> <li>Thematic sections of the course are:</li> <li>The growth and development of teeth and supporting structures</li> <li>Histological and chemical composition of dental hard tissues</li> <li>Developmental anomalies of dental hard tissues</li> <li>Etiology of dental hard tissues diseases</li> <li>Classification, Epidemiology and Diagnosis of carious and non-carious damage dental hard tissue</li> <li>Histopathological and clinical view of damage to the hard dental tissues</li> <li>Prevention of damage to the hard dental tissues.</li> </ul>					

Format of instruction	<ul> <li>lectures</li> <li>seminars and workshops</li> <li>exercises</li> <li>on line in entirety</li> <li>partial e-learning</li> <li>field work</li> </ul>			<ul> <li>independen</li> <li>multimedia</li> <li>laboratory</li> <li>work with m</li> <li>(otherwork)</li> </ul>	t assignments lentor er)	
Student responsibilities	According to St	udy Regu	lations			
Screening student	Class attendance		Research		Practical traini	ng
proportion of ECTS credits for each	Experimental work		Report		(Other)	
activity so that the total number of	Essay		Seminar essay		(Other)	
ECTS credits is	Tests		Oral exam		(Other)	
value of the course)	Written exam		Project		(Other)	
Grading and evaluating student work in class and at the final exam	Written exam					
		-	Number of copies in the library	Availability via other media		
Required literature	Šutalo J i sur. tkiva. Naklada Z	Patologi 2adro 199	ija i terapija )4. Zagreb	tvrdih zubnih		
(available in the library and via other media)	Fejerskov O, Kidd E. Zubni karijes. Bolest i klinički postupci. Prijevod 2. izdanja. Naklada Slap, Jastrebarsko, 2011.					
	Fejerskov O & Kidd E. Dental Caries. The Disease					
	Munsgaard, Co	penhager	п, 2003.	ickwell		
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Nikiforu Basical</li> <li>Znanstv</li> </ol>	uk G. Ur Clinical vena perio	nderstanding Aspects. S Kra odika: Journa	Dental Caries ager 1985. I of Dental Rese	, Ethiology ar earch, Caries R	nd Mechanisms, esearch
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching q</li> <li>Exam passi</li> <li>Committee</li> <li>External ev</li> </ul>	uality ana ing rate a for contro aluation	Ilysis by stude nalysis bl of teaching	ents and teache reports	ers	
Other (as the proposer wishes to add)						

NAME OF THE COURSE Preventive Dental M		edicine		
Code			Year of study	3rd
Course teacher Prof. Dolores Biočina-		Credits (ECTS)	2	

	Lukenda, DMD, PhD								
• • • • •	Lidia Gavić, DMD;	Type of	instruction	L	S	Е	Т		
Associate teachers	Tea Galić, DMD;	(numbe	r of hours)	10	10	10	30		
Status of the course	Mandatory	Percentage of 0% application of e-learning							
	COURSE D	DESCRI	PTION						
Course enrolment requirements and entry competences required for the course	Not applicable.	ot applicable.							
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to describe and indicate the importance of preventive dentistry in t modern society</li> <li>to describe the formation of plaque and its role in development of dent caries</li> <li>to explain the development of caries lesion</li> <li>to describe the mechanisms of action of fluoride, name the modalities at types of fluorides used in preventive dentistry</li> <li>to demonstrate the use of topical fluorides</li> <li>to explain the nutrition and diet in dental caries control</li> <li>to describe and perform a clinical examination of the patient in order detect caries</li> <li>to evaluate the oral hygiene and calculate the plaque index in patients</li> </ul>								
Course content broken down in detail by weekly class schedule (syllabus)	The course contents refer t related to preventive denta preventing the development Thematic sections: - The importance of pr - Plaque formation and - The role of plaque in - Defensive possibilitie - Personal oral hygie pastes, auxiliary mean - The effect and applica - Methods of systemic - Fissures sealing and s - Tests of caries activity - The influence of diet - Clinical examination t - Epidemiology of period - Health education, ind	<ul> <li>to describe and demonstrate preventive fissure sealing procedure</li> <li>The course contents refer to the theoretical and practical knowledge and skills related to preventive dental medicine i.e. familiarizing with the possibilities of preventing the development of dental caries using preventive methods.</li> <li>The importance of preventive dental medicine         <ul> <li>Plaque formation and development of carious lesions</li> <li>The role of plaque in the development of periodontal disease</li> <li>Defensive possibilities and systems of the body</li> <li>Personal oral hygiene: toothbrushes and brushing techniques, tooth pastes, auxiliary means</li> <li>The effect and application of fluoride</li> <li>Methods of systemic and topical fluoride applications</li> <li>Fissures sealing and sealants</li> <li>Tests of caries activity and caries risk assessment</li> <li>The influence of diet in dental caries control and dietary counseling</li> <li>Clinical examination to assess caries activity</li> <li>Epidemiology of periodontal and tooth disease</li> </ul> </li> </ul>							
Format of instruction	<ul> <li>lectures</li> <li>seminars and workshops</li> <li>exercises</li> <li>on line in entirety</li> <li>partial e-learning</li> <li>field work</li> </ul>		<ul> <li>independent a</li> <li>multimedia</li> <li>laboratory</li> <li>work with mer</li> <li>(other)</li> </ul>	nssignn	nents				

Student responsibilities	According to Study Regulations							
Screening student work (name the proportion of ECTS credits for each activity so that the total number of	Class Research P			Practical traini	ng			
	Experimental work	xperimental vork		(Other)				
	Essay	Seminar essay		(Other)				
ECTS credits is	Tests	Oral exam		(Other)				
value of the course)	Written exam	Project		(Other)				
Grading and evaluating student work in class and at the final exam	Written exam							
Required literature (available in the library and via other media)	Title			Number of copies in the library	Availability via other media			
	Koch G., Poulsen S.: Pedodoncija-klinički pristup.							
	Naklada Slap, Zagreb, 2005.							
	Šutalo J. Patologija i terapija tvrdih zubnih tkiva.							
	Zadro, Zagreb,							
Optional literature	1. R. Welbury a	nd MS Duggal. Paediatric	c Dentistry, 2	2012., Oxford U	niversity Press.			
submission of study programme proposal)	2. D. Bakarčić i sur. Preventivna dentalna medicina, Redak, 2013.							
Quality assurance	<ul> <li>Teaching q</li> </ul>	uality analysis by student	ts and teache	ers				
methods that ensure the	<ul> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> </ul>							
acquisition of exit competences	<ul> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>							
Other (as the proposer wishes to add)								

NAME OF THE COURSE		Restorative Dental Medicine 1						
Code			Year of study	3rd	3rd			
Course teacher	Assist. Prof. Marina Ognjenović Mirošević, DMD, PhD		Credits (ECTS)	8				
	Antonija Tadin, DMD, PhD;			L	S	Е	Т	
Associate teachers	lvana Medvedec Mikić, DMD, PhD; Dario Repić, DMD, PhD;		Type of instruction (number of hours)	25	25	75	125	
Status of the course	Mandatory		Percentage of application of e-learning	0%				
COURSE DESCRIPTION								

Course enrolment requirements and entry competences required for the course	Not applicable.						
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to describe and specify the methods of sterilization and disinfection in dentistry</li> <li>to describe classical and modern principles of cavity preparation</li> <li>to specify and describe methods of achieving a dry working field</li> <li>to specify, describe and use (on fhantom models) the materials used in restorative dentistry</li> <li>to specify and describe therapeutic procedures in restorative dentistry</li> <li>to describe and distinguish caries and non-carious teeth damage</li> <li>to choose and apply (in the theory) treatment to patient depending on the diagnosis</li> <li>to carry out the rehabilitation of function and aesthetics on the phantom</li> </ul>						
Course content broken down in detail by weekly class schedule (syllabus)	The course "Restorative Dental Medicine 1" is a basic branch of dental medicine which provides students with theoretical and practical knowledge and skills related to the diagnosis and treatment of dental hard tissue damage. All lectures are accompanied by seminars and clinical exercises in order to train students for independent work. Thematic sections of the course are: - Working place, instruments and ergonomics in restorative dentistry - Sterilization and desinfaction in dental medicine - History, dental exam and nomenclature - Diagnosis of diseases of dental hard tissues - Treatment of diseases of dental hard tissues (tooth fillings) and rehabilitation of						
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and workshops</li> <li>☑ exercises</li> <li>☑ on line in entirety</li> <li>☑ partial e-learning</li> <li>☑ field work</li> </ul>				nt assignments nentor er)		
Student responsibilities	According to St	udy Regu	lations				
Screening student work (name the	Class attendance		Research		Practical traini	ing	
proportion of ECTS credits for each	work		Report		(Other)		
activity so that the total number of ECTS credits is equal to the ECTS	Essay		Seminar essay		(Other)		
	Tests		Oral exam		(Other)		
value of the course)	Written exam Project			(Other)			
Grading and evaluating student work in class and at the final exam	Written exam, oral exam						
Required literature			litle		Number of	Availability via	

(available in the library and via other		copies in the library	other media			
media)	Šutalo J i sur. Patologija i terapija tvrdih zubnih					
	tkiva. Naklada Zadro 1994., Zagreb					
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Albers HF. Tooth Colored restoratives. BC Decker Inc, Hamilton, London, 2002.</li> <li>Andreasen JO, Andreasen FM. Essential of traumatic Injuries to the Teeth. Munksgaard Copenhagen, 1990.</li> <li>Fejerskov O&amp; Kidd E. Dental Caries. The Disease and its Clinical Management, I ed. Blackwell Munskaard, Copenhagen, 003.</li> <li>MountGJ.Hume WR . Preservation and Restoration of Tooth Structure. Mosby Int. Ltd., 1998.</li> <li>Nakabayashi N. Pashley DH. Hybridization of Dental Hard Tissues. Quintessence Publishing Co.Ltd., 1998.</li> </ol>					
Quality assurance methods that ensure the acquisition of exit competences Other (as the proposer wishes to add)	<ul> <li>Teaching quality analysis by students and teacher</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>	rs				

NAME OF THE COU	AME OF THE COURSE Restorative Dental Medicine 2						
Code			Year of study	4th			
Course teacher	Assist. Prof. Marina Ognjenović Mirošević, DMD, PhD		Credits (ECTS)	6			
	Antonija Tadin, DMD, PhD; Ivana Medvedec Mikić, DMD, PhD; Dario Repić, DMD, PhD;			L	S	Е	Т
Associate teachers			Type of instruction (number of hours)	15	15	90	120
Status of the course	Mandatory		Percentage of application of e-learning	0%			
	COURSE DESCRIPTION						
Course enrolment requirements and entry competences required for the course	Not app	blicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to specify and describe procedures for diagnosis of dental diseases</li> <li>to describe the instruments and working place</li> <li>to describe and specify the methods of sterilization and disinfection in dentistry</li> <li>to describe classical and modern principles of cavity preparation and</li> </ul>						

	show them in practice							
	<ul> <li>to specify and describe methods of achieving a dry working field and</li> </ul>							
	show them in practice							
	<ul> <li>to specify, describe and use materials that are used in restorative dentistry</li> <li>to specify and describe therapeutic procedures in restorative dentistry</li> </ul>							
	and show them in practice							
	<ul> <li>to select, describe, and use of oral tests for determination of caries risk</li> </ul>							
	<ul> <li>to identify, describe and distinguish caries and non-carious teeth</li> </ul>							
	damage							
	<ul> <li>to choose and apply the therapy to the patient depending on the</li> </ul>							
	diagnosis and patient's functional and aesthetic needs							
	The course "Re	storative	Dental Medici	ne 1" is a bas	c branch of dental	medicine		
	which provides	students	with theoreti	cal and praction	cal knowledge and	skills related		
	to the diagnosi	s and trea	atment of dent	al hard tissue	damage.			
	All lectures are	accompa	nied by semin	ars and clinica	al exercises in orde	r to train		
	students for inc	dependen	it work.					
	Thematic section	ons of the	course are:	nomics in rost	arativa dantistru			
	- Working place	e, instrum nd desinf	ents and ergo	nomics in resi	lorative dentistry			
Course content	- History, denta	il exam ar	nd nomenclati	ire				
broken down in	- Diagnosis of diseases of dental hard tissues							
detail by weekly	- Treatment of diseases of dental hard tissues (tooth fillings) and rehabilitation of							
(syllabus)	functions							
	- Basic and modern principles of cavity preparation							
	- Dry working field							
	- Materials in restorative dentistry							
	- Polymerization methods - Indirect fillings							
	- Tooth whitening techniques							
	- Dentinal hypersensitivity and postoperative sensitivity							
	- Dental trauma and reconstruction of trauma-damaged teeth							
	□ lectures							
	Seminars an	d worksh	ops	□ multimedia				
Format of	⊠ exercises     □ laboratory							
	$\square$ partial e-lear	nina		□ work with mentor				
	$\Box$ field work	illig			er)			
Student	According to St	udv Regu	lations					
responsibilities		uuy negu						
Screening student work (name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course)	Class		Research		Practical training			
	Experimental		Poport		(Othor)			
	work				(Other)			
	Essay		seminar essay		(Other)			
	Tests		Oral exam		(Other)			
	Written exam		Project		(Other)			
Grading and	Written exam,	oral exam	1					
evaluating student work in class and at the final exam								
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Required literature	Title	Number of copies in the library	Availability via other media					
(available in the library and via other media)	Šutalo J i sur. Patologija i terapija tvrdih zubnih tkiva. Naklada Zadro 1994., Zagreb							
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Albers HF. Tooth Colored restoratives. BC D 2002.</li> <li>Andreasen JO, Andreasen FM. Essential of tr Munksgaard Copenhagen, 1990.</li> <li>Fejerskov O&amp; Kidd E. Dental Caries. TI Management, I ed. Blackwell Munskaard, Cop</li> <li>MountGJ.Hume WR . Preservation and Res Mosby Int. Ltd., 1998.</li> <li>Nakabayashi N. Pashley DH. Hybridizatic Quintessence Publishing Co.Ltd., 1998.</li> <li>Znanstvena periodika Operative Dentistry, Materials</li> </ol>	Decker Inc, Ha aumatic Injuri ne Disease a benhagen, 003 storation of T on of Dental Esthethic D	imilton, London, ies to the Teeth. and its Clinical 3. Footh Structure. I Hard Tissues. entistry, Dental					
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teacher</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>	rs						
Other (as the proposer wishes to add)								

NAME OF THE COU	E COURSE Removable prosthodontics 1							
Code			Year of study	3rd	3rd			
Course teacher	Assista Kovačio	nt professor Ivan ć, DMD, PhD	Credits (ECTS)	8				
	Assista	nt professor Davor		L	S	Е	Т	
Associate teachers Associate teachers DMD, PhD; Associate teachers Associate teach		Type of instruction (number of hours)	35	35	55	125		
Status of the course	Mandat	tory	Percentage of application of e-learning	0%				
	-	COURSE	DESCRIPTION	-				
Course enrolment requirements and entry competences required for the course	Not app	olicable.						

Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to describe the anatomy and physiology stomatognathic system</li> <li>to describe the morphological changes of the stomatognathic system after teeth loss</li> <li>to describe and list fundamental principles of mobile prostodontics therapy</li> <li>to describe the removable dentures' manufacturing process (dental laboratory)</li> <li>to execute all phases of partial and complete dentures' manufacturing process (acrylic and metal)</li> </ul>							
Course content broken down in detail by weekly class schedule (syllabus)	<ul> <li>All theoretical classes are accompanied by clinical practical work aiming to train students to work independently.</li> <li>Thematic sections: <ol> <li>Morphological and functional changes of the stomatognathic system after the teeth loss</li> <li>Primary and secondary impressions procedures for complete and partial dentures</li> <li>Retention and stabilization of complete and partial dentures</li> <li>Determination of the intermaxillary relations and transfer to the articulator</li> <li>Selection and positioning of artificial teeth</li> <li>Delivery of denture to the patient and instructions</li> <li>Relining and repairing of complete and partial dentures</li> <li>Immediate denture and overdenture</li> <li>Removable prosthetics on implants</li> </ol> </li> </ul>							
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars an</li> <li>☑ exercises</li> <li>□ on line in en</li> <li>□ partial e-lear</li> <li>□ field work</li> </ul>	d worksho tirety ning	ops	<ul> <li>independent assignments</li> <li>multimedia</li> <li>laboratory</li> <li>work with mentor</li> <li>(other)</li> </ul>				
Student responsibilities	According to St	udy Regu	lations					
Screening student work (name the proportion of ECTS credits for each	Class attendance Experimental work		Research Report		Practical traini (Other)	ng		
activity so that the total number of	Essay		Seminar essay		(Other)			
ECTS credits is equal to the ECTS	Tests		Oral exam		(Other)			
value of the course)	Written exam		Project		(Other)			
Grading and evaluating student work in class and at the final exam	Continuous tes starting preclir preclinical prac work, final exar	ting of kn nical and c tice (prer m (writter	owledge duri clinical practi- equisite for s n and oral exa	ng each teachin cal work), writte tarting clinical p am)	ng unit (prereq en preliminary practice), gradi	uisit exar ng o	e for n after f practical	
Required literature (available in the library and via other media)	Kroliević K. D.	taura	Fitle	arofiles	Number of copies in the library	Ava ot	ilability via her media	
meulaj	Kraljević K. Po	tpune pr	oteze, Area	gratika,				

	Zagreb, 2001.				
	Kraljević K. Anatomija i fiziologija okluzije, Globus, Zagreb, 1991.				
	Suvin M. Djelomične proteze, Školska knjiga, Zagreb				
	Jerolimov V. I sur. Stomatološki materijali. Zagreb: Stomatološki fakultet Sveučilišta u Zagrebu, 2003.				
	Carr AB, McGivney GP, Brown DT. McCrackens Partial Prosthodontics, Eleventh Edition, Elsevier Mosby St. Louis 2005.				
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Morow MR, Rudd DK, Rhoads EJ. Dent Complete Dentures, Mosby Co. 1976.</li> <li>Morow MR, Rudd DK, Rhoads EJ. Dental Lak Dentures, Mosby Co. 1986.</li> <li>Boucher JL, Renne PR. Treatment of partialy Co. 1982.</li> <li>Rahn AO, Heartwell CHM Jr. Textbook of Edition, Lea &amp; Febiger, Phildelphia, London 19</li> </ol>	al Laborator poratory Proc edentulous p Complete E 993.	y Procedures. edures. Partial atients, Mosby Dentures, Fifth		
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>				
Other (as the proposer wishes to add)					

NAME OF THE COU	IRSE	Removable prosthoo	dontics 2					
Code			Year of study	4th				
Course teacher	Assista Kovačio	nt professor Ivan ź, DMD, PhD	Credits (ECTS)	4	4			
Associate teachers	Assista	nt professor Davor		L	S	Е	Т	
	Seifert, Renata DMD, F Ratka E	DMD, PhD; Poljak-Guberina, PhD; Borić, DMD;	Type of instruction (number of hours)	15	15	45	75	
Status of the course	Manda	tory	Percentage of application of e-learning	0%				
		COURSE [	DESCRIPTION					
Course enrolment requirements and entry competences required for the	Not app	olicable.						

course										
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to assess the teacher's subset to assess the therapy under to list indicate to execute process under to execute supervision</li> <li>to execute supervision</li> </ul>	<ul> <li>to assess the patient and plan complete removable prosthesis therapy under teacher's supervision (acrylic and metal)</li> <li>to assess the patient's clinical features and plan partial removable prosthesis therapy under teacher's supervision (acrylic and metal)</li> <li>to list indications for immediate denture</li> <li>to execute all clinical phases of partial and complete dentures' manufacturing process under teacher's supervision (acrylic and metal)</li> <li>to execute Relining of complete and partial dentures under teacher's supervision</li> <li>to execute rapairing of complete and partial dentures under teacher's supervision</li> </ul>								
	All theoretical	theoretical classes are accompanied by clinical practical work aiming to train								
	students to wo	in theoretical classes are accompanied by clinical practical work althing to								
	Thematic section 1. Morph	ons:	al changes of th	e stomatognat	hic system after					
Course content	the tee	eth loss								
detail by weekly	2. Primar	y and secondary imp	ressions proced	lures for comp	olete and partial					
class schedule	3. Retent	ion and stabilization o	of complete and	partial denture	es					
(Synabus)	4. Determination of the intermaxillary relations and transfer to the									
	articulator									
	<ol> <li>Selection and positioning of artificial teeth</li> <li>Delivery of denture to the patient and instructions</li> </ol>									
	<ol> <li>Relining and repairing of complete and partial dentures</li> </ol>									
	8. Immed	liate denture and ove	rdenture							
	$\boxtimes$ lectures $\boxtimes$ seminars an	d workshops	□ independen □ multimedia	t assignments						
Format of		tiroty	□ laboratory							
	□ on line in en	ning	$\Box$ work with mentor							
	☐ field work	5		(otner)						
Student responsibilities	According to St	udy Regulations								
Screening student work (name the	Class attendance	Research		Practical trainin	ng					
proportion of ECTS	Experimental work	Report		(Other)						
activity so that the total number of	Essay	Seminar essay		(Other)						
ECTS credits is	Tests	Oral exam		(Other)						
value of the course)	Written exam	Project		(Other)						
Grading and	Continuous tes	ting of knowledge du	ring each teachir	ng unit (prereq	uisite for					
evaluating student	starting preclin	nical and clinical pract	ical work), writte	en preliminary	exam after					
work in class and at the final exam	preclinical prac work. final exar	tice (prerequisite for a not oral experience) to the second second second second second second second second se	starting clinical p am)	practice), gradi	ng of practical					
Required literature	- ,		,	Number of	Availability via					
(available in the		Title		copies in	other media					

library and via other		the library	
media)	Kraljević K. Potpune proteze, Areagrafika, Zagreb, 2001.		
	Kraljević K. Anatomija i fiziologija okluzije, Globus, Zagreb, 1991.		
	Suvin M. Djelomične proteze, Školska knjiga, Zagreb		
	Jerolimov V. I sur. Stomatološki materijali. Zagreb: Stomatološki fakultet Sveučilišta u Zagrebu, 2003.		
	Carr AB, McGivney GP, Brown DT. McCrackens Partial Prosthodontics, Eleventh Edition, Elsevier Mosby St. Louis 2005.		
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Morow MR, Rudd DK, Rhoads EJ. Dental Labor Complete Dentures, Mosby Co. 1976.</li> <li>Morow MR, Rudd DK, Rhoads EJ. Dental Labor Dentures, Mosby Co. 1986.</li> <li>Boucher JL, Renne PR. Treatment of partialy ed Co. 1982.</li> <li>Rahn AO, Heartwell CHM Jr. Textbook of Comp Edition, Lea &amp; Febiger, Phildelphia, London 1993</li> </ol>	atory Proced atory Proced dentulous pa blete Denture	ures. ures. Partial tients, Mosby es, Fifth
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teacher</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>	rs	
Other (as the proposer wishes to add)			

NAME OF THE COU	JRSE	Removable prosthoo	osthodontics 3				
Code			Year of study	5th			
Course teacher	Assista Kovačio	nt professor Ivan ć, DMD, PhD	Credits (ECTS)	5			
	Assista	nt professor Davor		L	s	ш	Т
Associate teachers	Seifert, Renata DMD, F Ratka E	DMD, PhD; Poljak-Guberina, PhD; Borić, DMD;	Type of instruction (number of hours)	0	25	50	75
Status of the course	Manda	tory	Percentage of 0% application of e-learning				
		COURSE	DESCRIPTION				
Course enrolment	Not ap	olicable.					

requirements and entry competences required for the course									
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to assess the patient and plan complete removable prosthesis therapy under teacher's supervision (acrylic and metal)</li> <li>to assess the patient's clinical features and plan partial removable prosthesis therapy under teacher's supervision (acrylic and metal)</li> <li>to execute all clinical phases of partial and complete dentures' manufacturing process under teacher's supervision (acrylic and metal)</li> <li>to execute Relining of complete and partial dentures under teacher's supervision</li> <li>to execute rapairing of complete and partial dentures under teacher's supervision</li> <li>to list indications for immediate denture</li> <li>to list indications for overdentures</li> <li>to describe the removable dentures' on implants manufacturing process</li> </ul>								
Course content broken down in detail by weekly class schedule (syllabus)	All theoretical students to wor Thematic sectio 1. Morphy the tee 2. Primary dentury 3. Retenti 4. Determ articula 5. Selectio 6. Deliver 7. Relining 8. Immed 9. Remov	<ul> <li>All theoretical classes are accompanied by clinical practical work aiming to train tudents to work independently.</li> <li>Thematic sections: <ol> <li>Morphological and functional changes of the stomatognathic system after the teeth loss</li> <li>Primary and secondary impressions procedures for complete and partial dentures</li> <li>Retention and stabilization of complete and partial dentures</li> <li>Determination of the intermaxillary relations and transfer to the articulator</li> <li>Selection and positioning of artificial teeth</li> <li>Delivery of denture to the patient and instructions</li> <li>Relining and repairing of complete and partial dentures</li> <li>Immediate denture and overdenture</li> </ol> </li> </ul>							
Format of instruction	□lectures ☑ seminars and ☑ exercises □ <i>on line</i> in ent □ partial e-leard □ field work	d worksho irety ning	ops	<ul> <li>independer</li> <li>multimedia</li> <li>laboratory</li> <li>work with n</li> <li>(otherwork)</li> </ul>	nt assignments nentor er)				
Student responsibilities	According to St	udy Regu	lations						
Screening student work (name the proportion of ECTS credits for each	Class attendance Experimental work		Research Report		Practical training (Other)				
activity so that the total number of	Essay		Seminar essay		(Other)				
ECTS credits is equal to the ECTS	Tests		Oral exam		(Other)				
value of the course)	Written exam		Project		(Other)				
Grading and evaluating student	Continuous test	Continuous testing of knowledge during each teaching unit (prerequisite for							

work in class and at the final exam	starting preclinical and clinical practical work), written preliminary exam after preclinical practice (prerequisite for starting clinical practice), grading of practical work, final exam (written and oral exam)					
	Title	Number of copies in the library	Availability via other media			
	Kraljević K. Potpune proteze, Areagrafika, Zagreb, 2001.					
Required literature	Kraljević K. Anatomija i fiziologija okluzije, Globus, Zagreb, 1991.					
(available in the library and via other media)	Suvin M. Djelomične proteze, Školska knjiga, Zagreb					
	Jerolimov V. I sur. Stomatološki materijali. Zagreb: Stomatološki fakultet Sveučilišta u Zagrebu, 2003.					
	Carr AB, McGivney GP, Brown DT. McCrackens Partial Prosthodontics, Eleventh Edition, Elsevier Mosby St. Louis 2005.					
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Morow MR, Rudd DK, Rhoads EJ. Dental Labor Complete Dentures, Mosby Co. 1976.</li> <li>Morow MR, Rudd DK, Rhoads EJ. Dental Labor Dentures, Mosby Co. 1986.</li> <li>Boucher JL, Renne PR. Treatment of partialy ed Co. 1982.</li> <li>Rahn AO, Heartwell CHM Jr. Textbook of Comp Edition, Lea &amp; Febiger, Phildelphia, London 1993</li> </ol>	atory Proced atory Proced dentulous pa blete Denture	ures. ures. Partial tients, Mosby es, Fifth			
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teacher</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>	rs				
Other (as the proposer wishes to add)						

NAME OF THE COURSE Removable prosthod		lontics 4		
Code			Year of study	6th
Course teacher	Assista Kovačio	nt professor Ivan ć, DMD, PhD	Credits (ECTS)	2

	Assistant profe	ssor Davo	or			S	F	т			
	Seifert, DMD, P	hD:				0	L	'			
Associate teachers	Renata Poliak-G	Guberina.	Type of	instruction							
	DMD. PhD:	,	(numbe	r of hours)	0	0	50	50			
	Ratka Borić, DN	1D:									
	Mandatory	/	Percent	age of	0%						
Status of the course	,		applicat	ion of e-learnir	ng						
	-	COUR	SE DESCRIP	PTION							
Course enrolment	Not applicable.	ot applicable.									
requirements and											
entry competences											
course											
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to assess the teacher's supervision</li> <li>to assess the therapy under to execute process under to execute supervision</li> <li>to execute supervision</li> </ul>	to assess the patient and plan complete removable prosthesis therapy under teacher's supervision (acrylic and metal) to assess the patient's clinical features and plan partial removable prosthes therapy under teacher's supervision (acrylic and metal) to execute all clinical phases of partial and complete dentures' manufacturin process under teacher's supervision (acrylic and metal) to execute Relining of complete and partial dentures under teacher supervision									
	supervision										
	All theoretical classes are accompanied by clinical practical work aiming to train										
Course content broken down in detail by weekly class schedule (syllabus)	<ol> <li>Students to work independently.</li> <li>Morphological and functional changes of the stomatognathic system the teeth loss</li> <li>Primary and secondary impressions procedures for complete and p dentures</li> <li>Retention and stabilization of complete and partial dentures</li> <li>Determination of the intermaxillary relations and transfer to articulator</li> <li>Selection and positioning of artificial teeth</li> <li>Delivery of denture to the patient and instructions</li> <li>Relining and repairing of complete and partial dentures</li> <li>Immediate denture and overdenture</li> </ol>										
Format of instruction	□lectures □seminars and ⊠ exercises □ <i>on line</i> in ent □ partial e-lear □ field work	l worksho tirety ning	ps	<ul> <li>independer</li> <li>multimedia</li> <li>laboratory</li> <li>work with m</li> <li>(othe</li> </ul>	nt assignr nentor er)	nents					
Student responsibilities	According to St	udy Regu	lations								
Screening student	Class attendance		Research		Practica	l training					
proportion of ECTS credits for each	Experimental work		Report		(0	(Other)					

activity so that the total number of	Essay	Se	eminar say		(Other)	
ECTS credits is	Tests	Ora	al exam		(Other)	
value of the course)	Written exam	Pro	oject		(Other)	
Grading and evaluating student work in class and at the final exam	Continuous test starting preclin preclinical prac work, final exar	ing of knowl ical and clini tice (prerequ n (written an	ledge durin cal practica iisite for sta id oral exan	g each teachi l work), writt rting clinical µ 1)	ng unit (prereq en preliminary practice), gradi	uisite for exam after ng of practical
		Title	9		Number of copies in the library	Availability via other media
	Kraljević K. Po Zagreb, 2001.	tpune prote	eze, Areagr	afika,		
	Kraljević K. Globus, Zagrel	Anatomija o, 1991.	i fiziologi	ija okluzije,		
Required literature (available in the library and via other media)	Suvin M. Dje Zagreb	lomične pro				
,	Jerolimov V. Zagreb: Stom Zagrebu, 2003	I sur. Sto atološki				
	Carr AB, McGi Partial Prostho Elsevier Mosb	vney GP, Bro odontics, Ele y St. Louis 2				
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Morow MR, Rudd DK, Rhoads EJ. Dental Laboratory Procedures.</li> <li>Complete Dentures, Mosby Co. 1976.</li> <li>Morow MR, Rudd DK, Rhoads EJ. Dental Laboratory Procedures. Partial Dentures, Mosby Co. 1986.</li> <li>Boucher JL, Renne PR. Treatment of partialy edentulous patients, Mosby Co. 1982.</li> <li>Rahn AO, Heartwell CHM Jr. Textbook of Complete Dentures, Fifth</li> </ol>					
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching q</li> <li>Exam passi</li> <li>Committee</li> <li>External ev</li> </ul>	uality analysis ng rate analy for control of aluation	s by studen ysis teaching re	ts and teache	Prs	
Other (as the proposer wishes to add)						

NAME OF THE COURSE Fixed prosthodon		Fixed prosthodontics	51	
Code			Year of study	3rd
Course teacher	Assista	nt professor Ivan	Credits (ECTS)	20

	Kovačić, DMD, PhD								
Associato toachors	Assistant professor Davor		L	S	Е	Т			
	Seifert, DMD, PhD;	Type of instruction (number of hours)							
Associate teachers	Assistant professor Renata		15	15	45	125			
	Poljak-Guberina, DMD, PhD;								
Status of the course	Mandatory	Percentage of 0%							
Course enrolment	Not applicable								
requirements and entry competences required for the course									
	<ul> <li>to describe and list</li> </ul>	fundamental principles	of fixe	ed pros	todonti	CS			
	therapy								
	to describe and list	indications for fixed pro	stodo	ntics th	ierapy				
	<ul> <li>to describe and exp</li> </ul>	lain the biomechanics o	of fixed	d- prost	odontio	:s'			
	restaurations (bridg	es, crowns, free-end br	idges,	posts)					
		, , ,	0,	, ,					
Learning outcomes	to describe the fixed prosthodontic reastaurations manufacturing								
expected at the	process (dental laboratory)								
level of the course (4 to 10 learning									
outcomes)	<ul> <li>to execute feather-edge and shoulder margin tooth preparation on</li> </ul>								
	acrylic teeth model	S							
	to make impressions of prepared acrylic teeth								
	• to wax up teeth on plaster casts								
	• to manufacture a direct custom-made post with resin pattern on a								
	plaster casts and extracted endodontically treated teeth								
	Course gives theoretical and	practical knowledge and	skills	in fixed	prostho	dontic			
	restaurations manufacturing	process. Describes and	demo	nstrates	fundar	nental			
	theoretical and practical	principles in fixed p	rostho	dontic	restaur	ations			
	manufacturing process in de	ental laboratory. Acquir	re arti	culator	and face	e bow			
	working skills, splint manufa	cturing procedures, aimir	ng to t	rain stu	dents to	work			
Course content	independently.								
broken down in detail by weekly	All theoretical classes are ac	companied by clinical pr	actical	work a	iming to	o train			
class schedule	students to work independen	itly.			Ũ				
(syllabus)	Thematic sections:								
	1 Eived preathedentie	octourations planning							
	2 Fixed prosthodontic r	estaurations fund							
	3. Principles of tooth pr	aparation							
	4. Impression types in fi	xed prosthodontics							

	<ul> <li>5. Try-in, finishing and luting of fixed prosthodontic restaurations</li> <li>6. Ceramic-fused to metal restaurations</li> <li>7. All ceramic restaurations</li> <li>8. Implant-supported fixed prosthesis restorations</li> <li>9. Survival and complication rates of fixed restaurations</li> </ul>							
Format of instruction	<ul> <li>seminars and workshops</li> <li>exercises</li> <li>on line in entirety</li> <li>partial e-learning</li> <li>field work</li> </ul>			<ul> <li>independent assignments</li> <li>multimedia</li> <li>laboratory</li> <li>work with mentor</li> <li>(other)</li> </ul>				
Student responsibilities	According to Stu	udy Regu	lations					
Screening student work (name the proportion of ECTS	Class attendance Experimental		Research Report		Practical traini	ng		
credits for each activity so that the total number of	work Essay		Seminar essay		(Other)			
ECTS credits is	Tests		Oral exam		(Other)			
value of the course)	Written exam		Project		(Other)			
Grading and evaluating student work in class and at the final exam	Continuous test on preclinical ar practice (prerec	Continuous testing of knowledge during each teaching unit (prerequist for working on preclinical and clinical practice), written preliminary exam after preclinical practice (prerequisite for taking clinical practice), grading of practical work, final						
			xam)					
			Fitle		Number of copies in the library	Availability via other media		
	Schillingburg TH ,Brackett SE.Osr ogled; 2008	I., Hobo S nove fiksi	<b>Fitle</b> 5., Whitsett L ne protetike.	D., Jacobi R. Zagreb: Media	Number of copies in the library	Availability via other media		
Described literature	Schillingburg TF ,Brackett SE.Osr ogled; 2008 Ćatović A. i su Stomatološki fa	I., Hobo S nove fiksi r. Kliničk	<b>Fitle</b> 5., Whitsett L ne protetike. Ta fiksna pro	D., Jacobi R. Zagreb: Media tetika, Zagreb: grebu 1999	Number of copies in the library	Availability via other media		
Required literature (available in the library and via other	Schillingburg TF ,Brackett SE.Osi ogled; 2008 Ćatović A. i su Stomatološki fa Živko-Babić J., J protetici. Zagrel	I., Hobo S nove fiksi r. Kliničk kultet Svo Jerolimov b: Školska	<b>Fitle</b> 5., Whitsett L ne protetike. a fiksna pro eučilišta u Za v V. Metali u a knjiga; 2005	D., Jacobi R. Zagreb: Media tetika, Zagreb: grebu, 1999. stomatološkoj 5.	Number of copies in the library	Availability via other media		
Required literature (available in the library and via other media)	Schillingburg TF ,Brackett SE.Osi ogled; 2008 Ćatović A. i su Stomatološki fa Živko-Babić J., J protetici. Zagrel Jerolimov V. I s Stomatološki fa	I., Hobo S nove fiksi r. Kliničk kultet Sva Jerolimov b: Školska sur. Stom kultet Sva	<b>Fitle</b> 5., Whitsett L ne protetike. a fiksna pro eučilišta u Za v V. Metali u a knjiga; 2005 natološki mat eučilišta u Za	D., Jacobi R. Zagreb: Media tetika, Zagreb: grebu, 1999. stomatološkoj 5. terijali. Zagreb: grebu, 2003.	Number of copies in the library	Availability via other media		
Required literature (available in the library and via other media)	Schillingburg TH ,Brackett SE.Osi ogled; 2008 Ćatović A. i su Stomatološki fa Živko-Babić J., J protetici. Zagrel Jerolimov V. I s Stomatološki fa Mehulić K. Ke protetici. Zagrel	I., Hobo S nove fiksi r. Kliničk kultet Svo Jerolimov b: Školska sur. Stom kultet Svo ramički b: Školska	Fitle 5., Whitsett L ne protetike. a fiksna pro eučilišta u Za v V. Metali u a knjiga; 2005 natološki mat eučilišta u Za materijali u a knjiga; 2010	D., Jacobi R. Zagreb: Media tetika, Zagreb: grebu, 1999. stomatološkoj 5. terijali. Zagreb: grebu, 2003. stomatološkoj ).	Number of copies in the library	Availability via other media		
Required literature (available in the library and via other media)	Schillingburg TH ,Brackett SE.Osi ogled; 2008 Ćatović A. i su Stomatološki fa Živko-Babić J., J protetici. Zagrel Jerolimov V. I s Stomatološki fa Mehulić K. Ke protetici. Zagrel Kraljević K. Ana Globus, 1991.	I., Hobo S nove fiksi r. Kliničk kultet Svo Jerolimov b: Školska sur. Stom kultet Svo ramički b: Školska atomija i	<b>Fitle</b> 5., Whitsett L ne protetike. a fiksna pro eučilišta u Za v V. Metali u a knjiga; 2005 natološki mat eučilišta u Za materijali u a knjiga; 2010 fiziologija ol	D., Jacobi R. Zagreb: Media tetika, Zagreb: <u>grebu, 1999.</u> stomatološkoj 5. terijali. Zagreb: grebu, 2003. stomatološkoj ). kluzije, Zagreb,	Number of copies in the library	Availability via other media		
Required literature (available in the library and via other media)	Schillingburg TH ,Brackett SE.Osi ogled; 2008 Ćatović A. i su Stomatološki fa Živko-Babić J., J protetici. Zagrel Jerolimov V. I s Stomatološki fa Mehulić K. Ke protetici. Zagrel Kraljević K. Ana Globus, 1991. Knežević G. i si Zagreb: Školska	I., Hobo S nove fiksi r. Kliničk kultet Svo Jerolimov b: Školska sur. Stom kultet Svo ramički b: Školska atomija i ur. Osnov knjiga; 2	<b>Fitle</b> 5., Whitsett L ne protetike. a fiksna pro eučilišta u Za v V. Metali u a knjiga; 2005 natološki mat eučilišta u Za materijali u a knjiga; 2010 fiziologija ol ve dentalne 002.	D., Jacobi R. Zagreb: Media tetika, Zagreb: grebu, 1999. stomatološkoj 5. terijali. Zagreb: grebu, 2003. stomatološkoj ). kluzije, Zagreb, implantologije.	Number of copies in the library	Availability via other media		
Required literature (available in the library and via other media) Optional literature (at the time of submission of study programme proposal)	Schillingburg TH ,Brackett SE.Osi ogled; 2008 Ćatović A. i su Stomatološki fa Živko-Babić J., J protetici. Zagrel Jerolimov V. I s Stomatološki fa Mehulić K. Ke protetici. Zagrel Kraljević K. Ana Globus, 1991. Knežević G. i su Zagreb: Školska 1. Rosentiel S., Mosby inc. Publ 2. Mithridade implantologije.	I., Hobo S nove fiksi r. Kliničk kultet Svo Jerolimov b: Školska sur. Storr kultet Svo ramički b: Školska atomija i ur. Osnov knjiga; 2 Land F., F lishing 20 D., Mai Zagreb: I	<b>Fitle</b> 5., Whitsett L ne protetike. a fiksna pro eučilišta u Za v V. Metali u a knjiga; 2005 natološki mat eučilišta u Za materijali u a knjiga; 2010 fiziologija ol ve dentalne 002. Gujimoto J. Co 01. rtinez H., K n.Tri; 2006.	D., Jacobi R. Zagreb: Media tetika, Zagreb: grebu, 1999. stomatološkoj s. terijali. Zagreb: grebu, 2003. stomatološkoj kluzije, Zagreb, implantologije. ontemporary fix ebir M., Tecu	Number of copies in the library	Availability via other media		

ensure the acquisition of exit competences	<ul><li>Committee for control of teaching reports</li><li>External evaluation</li></ul>
Other (as the proposer wishes to add)	

NAME OF THE COU	RSE	Fixed prosthodontic	s 2				
Code			Year of study	4th			
Course teacher	Assista Kovačio	nt professor Ivan ć, DMD, PhD	Credits (ECTS)	5			
Associate teachers	Assista Seifert, Assista Poljak-	nt professor Davor DMD, PhD; nt professor Renata Guberina, DMD, PhD;	Type of instruction (number of hours)	L 15	S 15	E 45	T 75
Status of the course	Manda	tory	Percentage of application of e-learning	0%			
	-	COURSE [	DESCRIPTION	-			
Course enrolment requirements and entry competences required for the course	Not app	Not applicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	• • • • •	<ul> <li>to describe and list fundamental principles of fixed prostodontics therapy</li> <li>to describe and list indications for fixed prostodontics therapy</li> <li>to describe and explain the biomechanics of fixed- prostodontics' restaurations (bridges, crowns, free-end bridges, posts)</li> <li>to describe the fixed prosthodontic reastaurations manufacturing process (dental laboratory)</li> <li>to execute feather-edge and shoulder margin tooth preparation a patient</li> <li>to make impressions of prepared teeth</li> <li>to asses fitting and adapt fixed restorations on a patient</li> <li>to manufacture a direct custom-made post with resin pattern on a patient and luting of metal cast</li> </ul>					cs rs' n on n a
Course content broken down in detail by weekly class schedule	Course restaur	e gives theoretical and ations manufacturing	practical knowledge and process. Describes and	skills demo	in fixed nstrates	prostho fundar	dontic nental

(syllabus)	theoretical and practical principles in fixed prosthodontic restauration manufacturing process in dental laboratory. Acquire articulator and face bo working skills splint manufacturing procedures aiming to train students to wo									
	independently.	spint ma	Indiacturing							
	All theoretical	Il theoretical classes are accompanied by clinical practical work aiming to train								
	Thematic section	hematic sections:								
	<ol> <li>Fixed p</li> <li>Fixed p</li> </ol>	<ol> <li>Fixed prosthodontic restaurations planning</li> <li>Fixed prosthodontic restaurations types</li> </ol>								
	3. Princip	les of too	th praparatio	n						
	4. Impres	sion types	s in fixed pro	sthodontics						
	5. Try-in,	tinishing a	and luting of	fixed prosthodo	ontic restaurat	ons				
	7. All cera	imic resta	urations							
	8. Implan	t-support	ed <i>fixed pros</i>	thesis restoratio	ons					
	Survival and co	mplicatio	n rates of fixe	ed restaurations	S					
	$\boxtimes$ lectures $\boxtimes$ seminars an	d workshi	ากร	□ independen	t assignments					
Format of	⊠ exercises		o p o	□ multimedia						
instruction	□ on line in ent		$\square$ work with m	entor						
	$\Box \text{ field work} \qquad \Box \qquad \text{(othe)}$				er)					
Student responsibilities	According to St	udy Regu	lations							
Screening student	Class attendance				Practical traini	ng				
proportion of ECTS credits for each	Experimental work		Report		(Other)					
activity so that the total number of	Essay		Seminar essay	(Other)						
ECTS credits is equal to the ECTS	Tests		Oral exam		(Other)					
value of the course)	Written exam		Project		(Other)					
Grading and	Continuous test	ting of kn	owledge dur	ing each teachir	ng unit (prereq	uist for working				
evaluating student	on preclinical and clinical practice), written preliminary exam after preclinical									
the final exam	practice (prerequisite for taking clinical practice), grading of practical work, final exam (written and oral exam)									
					Number of	A				
		٦	<b>Fitle</b>		copies in the library	other media				
	Schillingburg TH	H., Hobo S	S., Whitsett L	D., Jacobi R.						
Required literature (available in the	,Brackett SE.Os	nove fiksı	ne protetike.	Zagreb: Media						
library and via other	ogled; 2008	r Kliničk	a fikana nro	tatika Zagrahi						
media)	Stomatološki fa	kultet Sv	a fiksila pro eučilišta u Za	grebu. 1999.						
	Živko-Babić J.,	Jerolimov	V. Metali u	stomatološkoj						
	protetici. Zagre	b: Školska	a knjiga; 2005	5. 						
	Jerolimov V. I	sur. Storr	natološki mat	terijali. Zagreb:						

	Stomatološki fakultet Sveučilišta u Zagrebu, 2003.
	Mehulić K. Keramički materijali u stomatološkoj protetici. Zagreb: Školska knjiga; 2010.
	Kraljević K. Anatomija i fiziologija okluzije, Zagreb, Globus, 1991.
	Knežević G. i sur. Osnove dentalne implantologije. Zagreb: Školska knjiga; 2002.
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Rosentiel S., Land F., Fujimoto J. Contemporary fixed prosthodontics, 3<sup>rd</sup> edition. Mosby inc. Publishing 2001.</li> <li>Mithridade D., Martinez H., Kebir M., Tecucianu JF. Priručnik dentalne implantologije. Zagreb: In.Tri; 2006.</li> </ol>
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>
Other (as the proposer wishes to add)	

NAME OF THE COU	IRSE	Fixed prosthodontic	s 3				
Code			Year of study	5th			
Course teacher	Assista Kovačio	nt professor Ivan ć, DMD, PhD	Credits (ECTS)	5			
Associate teachers	Assistant professor Davor Seifert, DMD, PhD; Assistant professor Renata		Type of instruction (number of hours)	L 0	S 25	E 50	Т 75
Status of the course	Poljak- Mandat	Guberina, DMD, PhD; tory	Percentage of application of e-learning	0%	0%		
		COURSE	DESCRIPTION				
Course enrolment requirements and entry competences required for the course	Not app	blicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	•	to describe and list therapy to describe and list to describe and exp restaurations (bridg to describe the fixe process (dental labo to execute feather-	fundamental principles indications for fixed pro plain the biomechanics o ges, crowns, free-end br d prosthodontic reastau pratory) edge and shoulder man	of fixed of fixed ridges, uration	ed pros ontics th d- prost , posts) ns manu ooth pre	todonti nerapy todontio ufacturi eparatio	cs' ng n on

	a patient								
	<ul> <li>to make impressions of prepared teeth</li> </ul>								
	<ul> <li>to asse</li> </ul>	s fitting	and adapt f	ixed restorati	ons on a patient				
	<ul> <li>to man patient</li> </ul>	<ul> <li>to manufacture a direct custom-made post with resin pattern on a patient and luting of metal cast</li> </ul>							
Course content broken down in	Course gives theoretical and practical knowledge and skills in fixed prosthodontic restaurations manufacturing process. Describes and demonstrates fundamental theoretical and practical principles in fixed prosthodontic restaurations manufacturing process in dental laboratory. Acquire articulator and face bow working skills, splint manufacturing procedures, aiming to train students to work independently. All theoretical classes are accompanied by clinical practical work aiming to train students to work independently.								
detail by weekly class schedule (syllabus)	Thematic section 1. Fixed p 2. Fixed p 3. Principle 4. Imprese 5. Try-in, f 6. Ceramin 7. All cera 8. Implant Survival and con	rosthodo rosthodo es of too sion types finishing a c-fused to mic resta t-support mplicatio	ntic restaurat ntic restaurat th praparatio s in fixed pros and luting of f o metal restau- urations ed <i>fixed prost</i> n rates of fixed	ions planning ions types n sthodontics fixed prosthod urations thesis restorati ed restauration	ontic restaurations ions				
Format of instruction	<ul> <li>□lectures</li> <li>□ seminars an</li> <li>□ exercises</li> <li>□ on line in ent</li> <li>□ partial e-lear</li> <li>□ field work</li> </ul>	□ lectures       □ independ         □ seminars and workshops       □ independ         □ exercises       □ laboratory         □ on line in entirety       □ work with         □ field work       □ (ot			nt assignments nentor er)				
Student responsibilities	According to St	udy Regu	lations						
Screening student work (name the proportion of ECTS	Class attendance Experimental work		Research Report		Practical training (Other)				
activity so that the	Essay		Seminar essay		(Other)				
ECTS credits is equal to the ECTS	Tests		Oral exam		(Other)				
value of the course)	Written exam		Project		(Other)	-			
Grading and evaluating student work in class and at the final exam	Continuous test on preclinical a practice (prerec	ting of kn nd clinica quisite foi	owledge duri I practice), wi r taking clinica	ng each teachi ritten prelimin al practice), gra	ng unit (prerequist ary exam after prec ading of practical w	tor working clinical rork, final			

	exam (written and oral exam)		
Required literature (available in the library and via other media)	Title	Number of copies in the library	Availability via other media
	Schillingburg TH., Hobo S., Whitsett LD., Jacobi R. ,Brackett SE.Osnove fiksne protetike. Zagreb: Media ogled; 2008 Ćatović A. i sur. Klinička fiksna protetika, Zagreb: Stomatološki fakultet Sveučilišta u Zagrebu, 1999. Živko-Babić J., Jerolimov V. Metali u stomatološkoj protetici. Zagreb: Školska knjiga; 2005. Jerolimov V. I sur. Stomatološki materijali. Zagreb: Stomatološki fakultet Sveučilišta u Zagrebu, 2003. Mehulić K. Keramički materijali u stomatološkoj protetici. Zagreb: Školska knjiga; 2010.		
	Kraljević K. Anatomija i fiziologija okluzije, Zagreb, Globus, 1991. Knežević G. i sur. Osnove dentalne implantologije. Zagreb: Školska knjiga; 2002.		
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Rosentiel S., Land F., Fujimoto J. Contemporary fix Mosby inc. Publishing 2001.</li> <li>Mithridade D., Martinez H., Kebir M., Tecur implantologije. Zagreb: In.Tri; 2006.</li> </ol>	ed prosthodoi cianu JF. Prin	ntics, 3 <sup>rd</sup> edition. ručnik dentalne
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teacher</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>	rs	
Other (as the proposer wishes to add)			

NAME OF THE COU	IRSE	Fixed prosthodontics	5 4					
Code			Year of study	6th	6th			
Course teacher	Assista Kovačio	nt professor Ivan ć, DMD, PhD	Credits (ECTS)	2	2			
	Assista	nt professor Davor		L	S	Е	Т	
Associate teachers	Seifert, Assista Poljak-	. DMD, PhD; nt professor Renata Guberina, DMD, PhD;	Type of instruction (number of hours)	0	S     E       0     50	50		
Status of the course	Manda	tory	Percentage of application of e-learning	0%				
	-	COURSE [	DESCRIPTION	-				
Course enrolment requirements and entry competences required for the course	Not app	olicable.						

	<ul> <li>to app clinical</li> </ul>	ly fundar I work	mental princ	iples of fixed	prostodontics	s the	erapy in			
	<ul> <li>to desorrestau</li> </ul>	cribe and rations (I	l explain the oridges, crov	biomechanics wns, free-end	s of fixed- pro bridges, post	osto s)	dontics'			
	<ul> <li>to plan fixed- prostodontics' restaurations (bridges, crowns, free-end bridges, posts) according to biomechanical principles</li> </ul>									
Learning outcomes expected at the level of the course	<ul> <li>to part proces</li> </ul>	icipate i s (denta	n a fixed pro I laboratory)	sthodontic rea	astaurations r	man	ufacturing			
(4 to 10 learning outcomes)	<ul> <li>to perf a patie</li> </ul>	form feat Int	ther-edge a	nd shoulder m	nargin tooth p	rep	aration on			
	• to mak	ke impres	ssions of pre	pared teeth	on a patient					
	<ul> <li>to asse</li> </ul>	<ul> <li>to asses fitting and adapt fixed restorations on a patient</li> </ul>								
	<ul> <li>to mar patien</li> </ul>	<ul> <li>to manufacture a direct custom-made post with resin pattern on a patient and luting of metal cast</li> </ul>								
Course content broken down in detail by weekly class schedule (syllabus)	Continuous tes working on pre preclinical prac work, final exar	Continuous testing of knowledge during each teaching unit (prer working on preclinical and clinical practice), written preliminary e preclinical practice (prerequisite for taking clinical practice), grad work, final exam (written and oral exam)				quist am a g of	t for Ifter practical			
Format of instruction	<ul> <li>lectures</li> <li>seminars and</li> <li>exercises</li> <li>on line in ent</li> <li>partial e-lear</li> <li>field work</li> </ul>	l worksho tirety ning	ps	<ul> <li>independen</li> <li>multimedia</li> <li>laboratory</li> <li>work with m</li> <li>(otherwork)</li> </ul>	t assignments entor er)					
Student responsibilities	According to Study Regulations									
Screening student work <i>(name the</i>	Class attendance		Research		Practical traini	ng				
proportion of ECTS credits for each	Experimental work		Report		(Other)					
activity so that the total number of	Essay		Seminar essay		(Other)					
ECTS credits is equal to the ECTS	Tests		Oral exam		(Other)					
value of the course)	Written exam		Project		(Other)					
evaluating student work in class and at the final exam										
Required literature (available in the library and via other		-	<b>Fitle</b>		Number of copies in the library	Ava ot	ailability via ther media			

media)	Schillingburg TH., Hobo S., Whitsett LD., Jacobi R.						
	Stackell SE. OSHOVE HKSHE Protetike. ZagreD: Media						
	ogled; 2008						
	Ćatović A. i sur. Klinička fiksna protetika, Zagreb:						
	Stomatološki fakultet Sveučilišta u Zagrebu, 1999.						
	Živko-Babić J., Jerolimov V. Metali u stomatološkoj						
	protetici. Zagreb: Školska knjiga; 2005.						
	Jerolimov V. I sur. Stomatološki materijali. Zagreb:						
	Stomatološki fakultet Sveučilišta u Zagrebu, 2003.						
	Mehulić K. Keramički materijali u stomatološkoj						
	protetici. Zagreb: Školska knjiga; 2010.						
	Kraljević K. Anatomija i fiziologija okluzije, Zagreb,						
	Globus, 1991.						
	Knežević G. i sur. Osnove dentalne implantologije.						
	Zagreb: Školska knjiga; 2002.						
Optional literature	1. Rosentiel S., Land F., Fujimoto J. Contemporary fixed prosthodontics, 3 <sup>rd</sup> edition.						
(at the time of	Mosby inc. Publishing 2001.						
submission of study	2. Mithridade D., Martinez H., Kebir M., Tecucianu JF. Priručnik dentalne						
proposal)	implantologije. Zagreb: In.Tri; 2006.						
Quality assurance	<ul> <li>Teaching quality analysis by students and teachers</li> </ul>						
methods that	<ul> <li>Exam passing rate analysis</li> </ul>						
ensure the	<ul> <li>Committee for control of teaching reports</li> </ul>						
	<ul> <li>External evaluation</li> </ul>						
Other (as the							
proposer wishes to							
add)							

NAME OF THE COU	IRSE	Scientific research 3					
Code			Year of study	3rd			
Course teacher	Prof. A	na Marušić, MD, PhD	Credits (ECTS)	1			
	Prof. M	latko Marušić, MD,		L	S	Е	Т
	PhD;						
	Prof. Zo	oran Đogaš, MD, PhD;					
	Assist.	Prof. Ana Jerončić,					
	PhD;						
	Assist.	Prof. Ivana Kolčić;					
Associate teachers	Irena Z	akarija Grković, MD,	Type of instruction				
	PhD;		(number of hours)	0	10	10	20
	Mario Malički, MD;						
	Tina Poklepović Peričić,						
	DMD;						
	Lana Bo	ošnjak, MS;					
	Ana Ut	robičić, BA;					
	Frane N	Aihanović, MSc;					
Status of the course	Mandat	tory	Percentage of	0%			
			application of e-learning				
		COURSE [	DESCRIPTION				

Course enrolment requirements and entry competences required for the course	Not applicable.	Not applicable.						
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to form format</li> <li>to use termin</li> <li>to desi referen</li> <li>to reco metaan</li> <li>to find</li> <li>to criti</li> <li>to defi</li> <li>includi</li> <li>to app proble</li> </ul>	nulate a i defined l ology to gn search nce to Co ognize, cla nalyses and use cally asse ne basic ng work ly princip ms in hea	relevant clir , intervention key words from search litera h strategy of ochrane Libr assification medical info ess evidence concepts in in multidisco oles of quality alth care or	iical questions on, comparison rom PICO in re ature f bibliographic ary and assess sys ormation spec quality assess iplinary teams cy of health can ganization	about a patie n, outcome) lation to Mes databases, w tematic revie ific for a patie ment of healt and patient- re in solving c	ent in EH sea vith pa w and ent conter concre	PICO rch articular d e red care ete	
Course content broken down in detail by weekly class schedule (syllabus)	The course inte of research, pri quality of healt medicine. The t and practical pr practicals)	e course integrates topics from medical informatics, medical statistics, princ research, principles of evidence based medicine, and principles of assessing ality of health care. The focus is on practical application of evidence-based edicine. The teaching is organized according to the principles of team learnir d practical problem based learning (total of 5 h lectures, 5 h seminars and 1 acticals)					principles ssing sed arning and 10 h	
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and workshops</li> <li>☑ exercises</li> <li>☑ on line in entirety</li> <li>☑ partial e-learning</li> <li>☑ field work</li> <li>☐ independent assignments</li> <li>☑ multimedia</li> <li>☑ laboratory</li> <li>☑ work with mentor</li> <li>☑ (other)</li> </ul>							
Student responsibilities	According to St	ccording to Study Regulations						
Screening student work <i>(name the</i>	Class attendance		Research		Practical traini	ng		
proportion of ECTS credits for each	Experimental work		Report		(Other)			
activity so that the total number of	Essay		essay		(Other)			
ECTS credits is equal to the ECTS	Tests		Oral exam		(Other)			
value of the course)	Written exam		Project		(Other)			
Grading and evaluating student work in class and at the final exam	The course examples of the course and knowledge and All course assig that 60% of the the final writter - fail, 56-65 - same same same same same same same same	m has thre 2) skills a nments a score cor n test. Gra tisfactory	ee componen nd 3) an inte re graded, ar mes from the ades are awa , 66-75 - goo	nts: continual fo grated written f nd the final score e evaluations du rded according d, 76-85 - very g	ormal written e test at the end e ranges from iring the cours to the followir good, ≥86 - ou	evaluat of the 0 to 10 e and 4 ng crite estandi	:ion of 1) 2 course. 20% so 40% from 2ria: 0-55 ing.	
Required literature (available in the		Т	Title		Number of copies in	Availa othe	ability via er media	

library and via other		the library				
media)	Marušić M, ur. Uvod u znanstveni rad u medicini. 4.					
	izdanje. Zagreb: Medicinska naklada; 2013.					
	Kern J, Petrovečki M, ur. Medicinska informatika.					
	Zagreb: Medicinska naklada; 2009.					
	Ferenczi E, Muirhead N. Statistika i epidemiologija u					
	jednom potezu. Zagreb: Medicinska naklada; 2011.					
	Nastavni materijali za pojedine nastavne jedinice					
	1. Day RA, Gastel N. How to write and publish a scien	tific paper, 6tł	n edition.			
	Westport (CT): Greenwood Press; 2006.					
Optional literature	2. Lang T, Secic M. How To report statistics in medicine: annotated guidelines for authors, editors, and reviewers, 2nd edition. Philadelphia (PA): American College of Physicians; 2006.					
(at the time of submission of study programme	3. Hoyt RE, Yoshihashi A, Sutton M. Medical informatics: practical guide for the healthcare professional. Third edition e-book. Lulu.com, 2009.					
proposal)	4. Ogrinc GS, Headrick LA. Fundamentals of health care improvement. Oakbrook					
	Terrace (IL): USA Joint Commission Resources; 2008.					
	5. Committee on Assessing Integrity in Research Environments. Integrity in scientific research. Washington, DC: Institute of Medicine and National Research Council; 2002.					
Quality assurance	<ul> <li>Teaching quality analysis by students and teacher</li> </ul>	rs				
ensure the	<ul> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> </ul>					
acquisition of exit competences	<ul> <li>External evaluation</li> </ul>					
Other (as the proposer wishes to add)						

NAME OF THE COU	JRSE	Gnathology					
Code			Year of study	4th			
Course teacher	Assista Kovačio	nt professor Ivan ć, DMD, PhD	Credits (ECTS)	3			
Assist		nt professor Davor	Type of instruction	L	S	Е	Т
Associate teachers	Seifert,	, DMD, PhD;	(number of hours)	15	15	15	45
Status of the course	Manda	tory Percentage of 0% application of e-learning					
	-	COURSE [	DESCRIPTION	-			
Course enrolment requirements and entry competences	Not ap	olicable.					

required for the course								
<ul> <li>to list and describe TMJ disorders</li> <li>to describe and compare stomatognathic system relationship during function and at rest</li> <li>to describe and demonstrate primary impressions proced</li> <li>to list and describe types and usage of articulators and fa</li> <li>to describe and demonstrate determination of the interm</li> <li>to describe TMJ disorders splint therapy</li> </ul>					athic system ssions procedu Ilators and face of the interma	's components ire e bow axillary relations		
Course content broken down in detail by weekly class schedule (syllabus)	Course gives th head and neck's face bow worki to work indepe	urse gives theoretical knowledge of stomatognathic system and ad and neck's structures, TMJ disorders and therapy. Acquire arti e bow working skills, splint manufacturing procedures, aiming to work independently.						
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars an</li> <li>☑ exercises</li> <li>□ on line in ent</li> <li>□ partial e-lear</li> <li>□ field work</li> </ul>	d worksho irety ning	nt assignments nentor er)					
Student responsibilities	According to St	ccording to Study Regulations						
Screening student work (name the proportion of ECTS credits for each activity so that the total number of ECTS credits is	Class     Research       attendance     Research       Experimental     Report		Practical traini	ing				
	work Essay		Seminar essav		(Other)			
	Tests		Oral exam		(Other)			
value of the course)	Written exam Project		(Other)					
Grading and evaluating student work in class and at the final exam	Continuous test starting preclin preclinical pract work, final exar	continuous testing of knowledge during each teaching unit (prerequisite for tarting preclinical and clinical practical work), written preliminary exam after reclinical practice (prerequisite for starting clinical practice), grading of practica work, final exam (written and oral exam)						
		т	itle		Number of copies in the library	Availability via other media		
Required literature (available in the library and via other media)	Okeson J.P. Ten okluzija. Zagreb	nporomar : Medicin						
	Valentic-Peruzo Temporomandi pristup. Zagreb Zagrebu i Akado 2007.	bvic M., Je bularni po : Stomato emija mec						
Optional literature (at the time of submission of study programme	<ol> <li>Kraljević K. A</li> <li>Badel T. Ter</li> <li>Zagreb: Medic</li> </ol>	natomija i nporoma inska nal	i fiziologija o andibularni klada; 2007	kluzije. Globus, poremećaji i s	Zagreb, 1991. tomatološka	protetika.		

	proposal) Quality assurance methods that ensure the acquisition of exit competences Other (as the proposer wishes to	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>	
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NAME OF THE COU	RSE	RSE Endodontics 1					
Code		Year of study 4th					
Course teacher	Assist. Ognjen PhD	Prof. Marina ović Mirošević, DMD,	Credits (ECTS)	4			
Associate teachers	Antonij Ivana N DMD, F Dario R	a Tadin, DMD, PhD; Aedvedec Mikić, PhD; epić, DMD, PhD;	Type of instruction (number of hours)	L 15	S 15	E 45	Т 75
Status of the course	Mandat	tory	Percentage of application of e-learning	0%			
		COURSE [	DESCRIPTION				
Course enrolment requirements and entry competences required for the course	Not app	it applicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>(dental pulp) space, periradicular and periapical tissues</li> <li>to describe and to classify diseases of the pulp and periapical tissues</li> <li>to specify and to describe the microbial flora in endodontics</li> <li>to specify and to describe the indications and contraindications, and diagnostic procedures in endodontics</li> <li>to describe the use of local anesthetics in endodontics</li> <li>to describe, select and apply the tools and methods for establishing of working field in endodontics on mannequins</li> <li>to describe and to perform the trepanning of teeth in order to localiz orifices of root canals on extracted teeth</li> <li>to describe, select and apply techniques of root canal instrumentatio extracted teeth</li> <li>to describe, and apply root canal filling materials and techniques more commonly used in endodontics on extracted teeth</li> </ul>						ntic Iry e the it n on
Course content broken down in detail by weekly	The co medici	ourse "Endodontics" ne, which provides s	is basic and specialist fi students with theoretica	eld wi al and	thin de practica	ntal al	

class schedule (syllabus)	knowledge, ar area. Studying formation and chronic stimul complex ) and All lectures ac train students Thematic sectio - The biological - Anatomy of te - Morphologica - Diseases of th - The protection - Endodontic m - Clinical diagno - Indications an - Disinfection at - Instruments ir - Dry working fi - Review of the - Local anesthes - Cavity prepara canals - Determination	nd deals of g anatom l percept i, its path treatme compani for inde ons of the basis of e eath and e l, histolog e pulp an n and pre- icrobiolog osis in enc d contrain nd steriliz n endodor eld in enc rapy sia ation in er	with the der y and physic ion of pain a nology (sym ent. ed by semin pendent wo course are: endodontics endodontics gical characte d periapical t servation of p gy lodontics ndications fo ation ntics and wor dodontics and malength	ntal pulp, perin plogy of the pr and response ptoms of pulp ars and precli rk. pace ristics of pulp a issue pulp vitality r endodontic su king place	radicular and ulp, mechanis of the pulp or al and pulpop nical exercise and periapical a urgery	peri ms actionaro s in areas	apical of ute and dontal order to
Format of	<ul> <li>Instrumentation</li> <li>Techniques of</li> <li>⊠ lectures</li> <li>⊠ seminars an</li> <li>⊠ exercises</li> </ul>	<ul> <li>Instrumentation techniques, preparation and disinfection of the role</li> <li>Techniques of root canal filling</li> <li>Iectures</li> <li>Independent assignments</li> <li>multimedia</li> <li>Isbaratery</li> </ul>					canal
instruction	□ on line in entirety       □ laboratory         □ partial e-learning       □ (other)						
Student responsibilities	According to St	udy Regu	lations				
Screening student work (name the	Class attendance		Research		Practical traini	ng	
proportion of ECTS credits for each	Experimental work		Report		(Other)	(Other)	
activity so that the total number of	Essay		Seminar essay		(Other)		
ECTS credits is equal to the ECTS	Tests		Oral exam		(Other)		
value of the course)	Written exam		Project		(Other)		
evaluating and evaluating student work in class and at the final exam	written exam, o	oral exam					
Required literature (available in the library and via other		٦	<b>Fitle</b>		Number of copies in the library	Ava ot	ailability via her media

media)	Walton RE, Torabinejed M. Endodoncija; Naklada Slap, Zagreb, 2010.	alton RE, Torabinejed M. Endodoncija; Naklada Ip, Zagreb, 2010.					
	Andreasen JO, Andreasen FM.traumatske ozljede						
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Johnson WT. Color Atlas of Endodontics. WB Saunders Co. 2002.</li> <li>Beer R, Baumann MA, Kim S: Color Atlas of Dental Medicine; Endodontology , 3. Thieme, New York, 2000.</li> <li>Cohen S, Burns RC. Pathways of the Pulp. VIII ed., Mosby Inc. St. Louis, 2002.</li> <li>Ingle JI, Bakland LK. Endodontics. BC Decker Inc, Hamilton, London, 2002.</li> </ol>						
Quality assurance methods that ensure the acquisition of exit competences Other (as the	<ul> <li>Teaching quality analysis by students and teache</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>	rs					
proposer wishes to add)							

NAME OF THE COURSE Endodontics 2								
Code			Year of study	5th				
Course teacher	Assist. Ognjen PhD	Prof. Marina ović Mirošević, DMD,	Credits (ECTS)					
	Antonij	a Tadin, DMD, PhD;		L	S	Е	Т	
Associate teachers	Ivana Medvedec Mikić, DMD, PhD; Dario Repić, DMD, PhD;		Type of instruction (number of hours)	25	0	100	125	
Status of the course	Mandat	tory	Percentage of application of e-learning	0% g				
	-	COURSE DESCRIPTION						
Course enrolment requirements and entry competences required for the course	Not app	Not applicable.						
<ul> <li>to apply knowledge of indications and counter-indication of diagnostic procedures during clinical endodontic practice</li> <li>to administer local anesthetic in root canals during clinical enpractice</li> <li>to describe, select and apply the tools and methods for estate working field during clinical endodontic practice</li> </ul>					ns, as w ctice ndodonti plishing c ifices of	vell as c iry root		

	canals o • to appl	<ul><li>canals on patients</li><li>to apply instruments for determination of root canal length during clinical</li></ul>							
	endodo	ontic prac	tice						
	<ul> <li>to apply</li> </ul>	y selected	d technique f	or root canal in	strumentation	dur	ing clinical		
	endodo	ontic prac	tice						
	<ul> <li>to apply practice</li> </ul>	<ul> <li>to apply root canal filling technique of choice during clinical endodontic practice</li> </ul>							
	The course "E	ndodon	tics" is basic	and specialist	field within c	lent	al		
	medicine, which provides students with theoretical and practical								
	knowledge, ar	nd deals	with the der	ntal pulp, perii	radicular and	per	iapical		
	area. Studying	g anatom	y and physic	ology of the p	ulp, mechanis	ms	of		
	formation and	l percept	ion of pain	and response	of the pulp or	n ac	ute and		
	chronic stimul	li, its pat	hology (sym	ptoms of pulp	al and pulpop	aro	odontal		
	complex ) and	treatme	ent.						
Course content	All lectures ac	compani	ed by semir	iars and precli	nical exercise	s in	order to		
detail by weekly	Thomatic soct	ions of t	pendent wo	ork.					
class schedule	- Emergency in	endodon	tics	с.					
(Syllabus)	- Incidents and	accidents	during endo	dontic treatme	nt				
	- Endodontic surgery								
	- Postendodontic restoration of teeth								
	- High risk patient in dental clinics - Endodontic problem in clinical practice								
	- Endodontic problem in clinical practice - Endodontics in primary dentition and in gerontological patients								
	- Tooth whitening								
	- Traumatic inju	uries of te	eth and treat	tment of traum	atic injuries to	teet	th		
	⊠ lectures	□ independen	t assignments						
Farma at af	□seminars and	d worksho	ps	□ multimedia					
Format of instruction	$\square$ on line in ent	tiretv		□ laboratory					
	□ partial e-lear	ning		work with mentor					
	☐ field work				, ,				
Student responsibilities	According to St	udy Regu	lations						
Screening student work <i>(name the</i>	Class attendance		Research		Practical traini	ng			
proportion of ECTS credits for each	Experimental work		Report		(Other)				
activity so that the total number of	Essay		Seminar essay		(Other)				
ECTS credits is equal to the ECTS	Tests		Oral exam		(Other)				
value of the course)	Written exam		Project		(Other)				
Grading and evaluating student	Written exam, o	oral exam	n, practical ex	am					
the final exam									
Required literature (available in the library and via other		-	<b>Fitle</b>		Number of copies in the library	Ava ot	ailability via ther media		

media)	Walton RE, Torabinejed M. Endodoncija; Naklada Slap, Zagreb, 2010.	/alton RE, Torabinejed M. Endodoncija; Naklada Jap, Zagreb, 2010.				
	Andreasen JO, Andreasen FM.traumatske ozljede					
	zuba, Naklada Slap, Zagreb, 2008.					
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Johnson WT. Color Atlas of Endodontics. WB Saund</li> <li>Beer R, Baumann MA, Kim S: Color Atlas of Dent</li> <li>Thieme, New York, 2000.</li> <li>Cohen S, Burns RC. Pathways of the Pulp. VIII ed., I Ingle JI, Bakland LK. Endodontics. BC Decker Inc, Ham</li> </ol>	ders Co. 2002. al Medicine; Mosby Inc. St. ilton, London,	Endodontology , Louis, 2002. 2002.			
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teache</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>	rs				
Other (as the proposer wishes to add)						

NAME OF THE COU	AME OF THE COURSE Endodontics 3							
Code			Year of study	6th	6th			
Course teacher	Assist. Prof. Marina2Ognjenović Mirošević, DMD,Credits (ECTS)PhD							
	Antonij	a Tadin, DMD, PhD;		L	S	Е	Т	
Associate teachers	s Ivana Medvedec Mikić, DMD, PhD; Dario Repić, DMD, PhD;		Type of instruction (number of hours)	0	0	50	50	
Status of the course	Mandat	tory	Percentage of application of e-learning	0%	0%			
	-	COURSE [	DESCRIPTION	-				
Course enrolment requirements and entry competences required for the course	Not app	blicable.						
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	•	<ul> <li>to describe and apply the acquired knowledge about therapeutic procedures in order to protect the pulp and preserve its vitality</li> <li>to describe, identify and treat emergency endodontic cases</li> <li>to describe and apply methods of restoration for endodonticly treated teeth</li> <li>to describe and apply the principles of endodontic care for high-risk patients</li> <li>to describe endodontic surgical procedures</li> </ul>						

	<ul><li>to succ</li><li>to desc</li></ul>	<ul> <li>to successfully treat endodontic problems encountered in clinical practice</li> <li>to describe and to specify traumatic injuries of tooth and therapeutic</li> </ul>							
	options	options and the same applied to the patient							
Course content broken down in detail by weekly class schedule (syllabus)	The course "E which provides the dental pu physiology of response of th pulpal and pulp On clinical cour recieved on pre	The course "Endodontics" is basic and specialist field within dental medicine, which provides students with theoretical and practical knowledge, and deals with he dental pulp, periradicular and periapical area. Studying anatomy and whysiology of the pulp, mechanisms of formation and perception of pain and esponse of the pulp on acute and chronic stimuli, its pathology (symptoms of pulpal and pulpoparodontal complex ) and treatment.							
Format of instruction	□lectures □seminars and ∞ exercises □ on line in en □ partial e-lear □ field work	Ilectures       independent assignments         Iseminars and workshops       independent assignments         I exercises       multimedia         I on line in entirety       laboratory         I partial e-learning       work with mentor         I field work       (other)							
Student responsibilities	According to St	udy Regu	lations						
Screening student work (name the	Class attendance Experimental		Research		Practical traini	ng			
credits for each	work		Seminar		(Other)				
total number of	Essay		essay		(Other)				
equal to the ECTS	Tests		Oral exam		(Other)				
Value of the course)			Flojeci		(Other)				
evaluating student work in class and at the final exam	Orai exam, prac	ctical exa	n						
			<b>Fitle</b>		Number of copies in the library	Ava of	ailability via ther media		
Required literature (available in the library and via other	Walton RE, To Slap, Zagreb, 20	orabinejec 010.	I M. Endodo	oncija; Naklada					
media)	Andreasen JO, J zuba. Naklada S	Andrease Slap, Zagr	n FM.trauma eb. 2008.	tske ozljede					
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Johnson WT.</li> <li>Beer R, Baur</li> <li>Thieme, New</li> <li>Cohen S, Bur</li> <li>Ingle JI, Bakland</li> </ol>	Color Atl mann MA / York, 20 ns RC. Pa d LK. Endo	as of Endodo , Kim S: Colo 00. thways of the odontics. BC	ontics. WB Saun or Atlas of Dent e Pulp. VIII ed., Decker Inc, Han	L ders Co. 2002. al Medicine; Mosby Inc. St. hilton, London,	Endo Loui , 200	odontology , is, 2002. )2.		
Quality assurance	I eaching q	uality ana	iysis by stud	ents and teache	ers				

<ul> <li>ethods that</li> <li>isure the</li> <li>cquisition of exit ompetences</li> <li>ther (as the oposer wishes to dd)</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>
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NAME OF THE COU	IRSE	Pediatric dentistry I	ric dentistry I				
Code			Year of study	4th			
Course teacher	Prof. De Lukend	olores Biočina- a, DMD, PhD	Credits (ECTS)	5			
Associate teachers	Lidia Ga Tea Ga Marica	avić, DMD; lić, DMD; Anđić, DMD;	Type of instruction (number of hours)	L 15	S 15	E 60	Т 90
Status of the course	Marijo Mandat	Budimir, DMD; ory	Percentage of application of e-learning	0%			
		COURSE I	DESCRIPTION				
Course enrolment requirements and entry competences required for the course	Not app	blicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to a</li> </ul>	<ul> <li>to describe and explain the practical importance of pediatric dentistry</li> <li>to understand and explain the specificity of a child patient</li> <li>to describe the growth and the development in early childhood</li> <li>to introduce and prepare a child for a dental treatment</li> <li>to describe and apply behaviour management techniques</li> <li>to describe the prevention of dental caries techniques in primary and permanent dentition</li> <li>to diagnose dental caries in primary and permanent dentition</li> <li>to apply specific operative treatment of dental caries</li> <li>to describe and demonstrate the etiology and treatment methods for pediatric oral pathology</li> </ul>					y and diatric
Course content broken down in detail by weekly class schedule (syllabus)	The co Pediatr with th health dental age. The ba	to identify the orthodontic anomalies The course refers to the theoretical and practical knowledge and skills related t Pediatric dentistry. Dental medicine in childhood is a clinical discipline concerne with the prevention and therapeutic procedures in order to maintain the ora nealth in children from birth until the end of adolescence. In addition, it cover dental care for the disabled patients and children with special needs regardless of age.					ted to cerned e oral covers less of ary to

	achieve optimal oral health of children through the use of different preventive								
	health-educatio	nal and t	herapeutic p	rocedures.	e use of unite	rent p	leventive,		
	All theoretical students to wo	classes k indepe	are accompa ndently.	anied by clinica	al practice aiı	med a	nt training		
	Thematic section	nematic sections:							
	- Introdu plannin	<ul> <li>Introduction to pediatric dentistry, history, examination and treatment</li> </ul>							
	- Craniof - Tooth anomal	<ul> <li>Craniofacial growth and development</li> <li>Tooth growth and development (tooth mineralization, tooth eruption anomalies of tooth formation and eruption, development of occlusion)</li> </ul>							
	- Differen	nt types of tion of de	of child behav ental caries ar	viour and behav nd other oral dis	iour managem seases in pedia	ient te itric de	chniques entistry		
	- Clinical - Restora	diagnosi: itive mate lies of nu	erials in pedia mber and sha	ries atric dentistry ane of the tooth	ı				
	- Anoma - Prevent	lies of the tion of or	e tooth struct	omalies					
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars an</li> <li>☑ exercises</li> <li>□ on line in ent</li> <li>□ partial e-lear</li> <li>□ field work</li> </ul>	<ul> <li>☑ lectures</li> <li>☑ seminars and workshops</li> <li>☑ exercises</li> <li>☑ on line in entirety</li> <li>☑ partial e-learning</li> <li>☑ (othermole</li> </ul>				nt assignments nentor er)			
Student responsibilities	According to St	udy Regu	lations						
Screening student work (name the proportion of ECTS	Class attendance Experimental		Research Report		Practical traini (Other)	ng			
credits for each activity so that the total number of	Essay		Seminar essay		(Other)				
ECTS credits is	Tests		Oral exam		(Other)				
value of the course)	Written exam		Project		(Other)				
Grading and evaluating student work in class and at the final exam	Written exam, o	oral exam	n, practical ex	am					
		-	Title		Number of copies in the library	Avail othe	ability via er media		
Required literature	Koch G., Pouls Naklada Slap,	sen S.: P	edodoncija-k Zagreb,	linički pristup. 2005.					
library and via other media)	Andreasen F.N Flores M.T. : Traumatske oz 2008.	/l., Andr ljede zu	easen J.O., bi. Naklada	Bakland L.K., Slap, Zagreb,					
	Škrinjarić I.: Tra	auma zul	pa u djece. G	ilobus, Zagreb,					

	1988.		
Optional literature (at the time of submission of study programme proposal)	R. Welbury and MS Duggal. Paediatric Dentistry, 2013	2., Oxford Univ	versity Press.
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teache</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>	rs	
Other (as the proposer wishes to add)			

NAME OF THE COU	RSE	Pediatric dentistry 2					
Code			Year of study	5th			
Course teacher	Prof. Do Lukend	olores Biočina- a, DMD, PhD	Credits (ECTS)	6			
	Lidia Ga	avić, DMD;		L	S	Е	Т
Associate teachers	Tea Ga	ić, DMD;	Type of instruction				
	Marica	Anđić, DMD;	(number of hours)	10	5	95	110
	Marijo	Budimir, DMD;					
Status of the course	Mandat	ory	Percentage of application of e-learning	0%			
		COURSE [	DESCRIPTION				
Course enrolment requirements and entry competences required for the course	Not app	Not applicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	• • • •	<ul> <li>to list, describe and apply appropriate techniques of local anesthes</li> <li>to explain the possibilities of performing dental treatment ungeneral anesthesia, methods of general anesthesia in der medicine, indications and contraindications for dental treatment under general anesthesia</li> <li>to describe the peculiarity of working with special needs children</li> <li>to implement under the supervision the treatment of the disab patients and children with special needs regardless of age</li> <li>to identify and classify diseases of the pulp of primary teeth</li> </ul>					hesia under dental ment en

	• to imp	lement t	he treatmer	nt of young pe	ermanent teeth				
	<ul> <li>to recognize and classify the orofacial injury</li> </ul>								
	<ul> <li>to list and describe the most common methods of taking care of dentofacial injuries in children and young people and perform them</li> <li>to list and describe the most common methods of disposal dentofacial injuries in children and adolescents and perform the same</li> </ul>								
	The course ref Pediatric Denti prevention and from birth unti with disabilities	fers to the stry. Ped I theraped I the end S regardle	e theoretical iatric Dentist utic procedur of adolescen ss of age.	and practical l ry is a clinical es in order to ce. In addition	knowledge and ski discipline concerr maintain oral healt it includes the car	lls related to ned with the h in children re of persons			
Course content broken down in detail by weekly class schedule (syllabus)	The basis of te achieve optima health-educatio	The basis of teaching in Pediatric dentistry is mastering the skills necessary to achieve optimal oral health of children through the use of different preventive, health-educational and therapeutic procedures.							
	All theoretical classes are accompanied by clinical practice aimed at training students to work independently.								
	Thematic sections:								
	<ul> <li>Local a</li> <li>Dental regardl</li> <li>Diagno teeth</li> <li>Diagno</li> <li>Diagno</li> <li>Preven</li> </ul>	<ul> <li>Local anesthesia and sedation in pediatric dental medicine</li> <li>Dental treatment of the disabled patients and children with special needs regardless of age.</li> <li>Diagnosis and treatment of pulp in primary and immature permanent teeth</li> <li>Diagnosis, treatment and prognosis of dental trauma in primary teeth</li> <li>Diagnosis, treatment and prognosis of dental trauma in permanent teeth</li> <li>Prevention of dental trauma</li> </ul>							
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and workshops</li> <li>☑ exercises</li> <li>□ on line in entirety</li> <li>□ partial e-learning</li> <li>□ field work</li> </ul>			<ul> <li>independer</li> <li>multimedia</li> <li>laboratory</li> <li>work with n</li> <li>(otherwork)</li> </ul>	nt assignments nentor er)				
Student responsibilities	According to St	udy Regu	lations						
Screening student work (name the	Class attendance		Research		Practical training				
proportion of ECTS credits for each	Experimental work		Report		(Other)				
activity so that the total number of	Essay		Seminar essay		(Other)				
ECTS credits is equal to the ECTS	Tests		Oral exam		(Other)				
value of the course)	Written exam		Project		(Other)				

Grading and evaluating student work in class and at the final exam	Written exam, oral exam, practical exam					
	Title	Number of copies in the library	Availability via other media			
	Koch G., Poulsen S.: Pedodoncija-klinički pristup. Naklada Slap, Zagreb, 2005.					
Required literature (available in the library and via other media)	Andreasen F.M., Andreasen J.O., Bakland L.K., Flores M.T. : Traumatske ozljede zubi. Naklada Slap, Zagreb, 2008.					
	Škrinjarić I.: Trauma zuba u djece. Globus, Zagreb, 1988.					
Ontine of literature						
(at the time of submission of study programme proposal)	R. Welbury and MS Duggal. Paediatric Dentistry, 2012	2., Oxford Univ	versity Press.			
Quality assurance	<ul> <li>Teaching quality analysis by students and teacher</li> </ul>	rs				
methods that	<ul> <li>Exam passing rate analysis</li> </ul>					
acquisition of exit competences	<ul><li>Committee for control of teaching reports</li><li>External evaluation</li></ul>					
Other (as the proposer wishes to add)						

NAME OF THE COU	IRSE	Pediatric dentistry 3							
Code			Year of study	6th	6th				
Course teacher	Prof. D Lukend	olores Biočina- a, DMD, PhD	Credits (ECTS)	2					
	Lidia G	avić, DMD;		L	S	Е	Т		
Associate teachers	Tea Ga Marica Marijo	lić, DMD; Anđić, DMD; Budimir, DMD;	Type of instruction (number of hours)	0	0	50	50		
Status of the course	Manda	tory	Percentage of application of e-learning	ercentage of 0% oplication of e-learning					
		COURSE [	DESCRIPTION						
Course enrolment requirements and entry competences required for the course	Not app	blicable.							
Learning outcomes expected at the level of the course	•	<ul><li>to implement the examination of the patient</li><li>to plan pediatric dental therapy</li></ul>							

(4 to 10 learning outcomes)	<ul> <li>to prepare a child for dental treatment</li> <li>to implement the treatment of dental pulp of primary and young permanent teeth</li> <li>to implement the treatment of dental injury</li> <li>to implement under the supervision the dental treatment in general anesthesia</li> <li>to implement under the supervision the dental treatment of the disabled patients and children with special needs</li> </ul>						
Course content broken down in detail by weekly class schedule (syllabus)	The course ref Pediatric Denti prevention and from birth until with disabilities The basis of te achieve optima health-education All theoretical students to wor	ers to the stry. Ped theraped the end regardle eaching in al oral he onal and t classes rk indepe	e theoretical iatric Dentist utic procedur of adolescen ess of age. n Pediatric d ealth of child cherapeutic p are accompa ndently.	and practical k ry is a clinical es in order to n ce. In addition entistry is mas ren through th rocedures.	nowledge and discipline con naintain oral h it includes the stering the ski e use of diffe al practice ain	l skills cerned ealth care ills ne rent p med a	related to d with the in children of persons ecessary to preventive, at training
Format of instruction	□ lectures       □ independent assignment         □ seminars and workshops       □ independent assignment         ⊠ exercises       □ multimedia         □ on line in entirety       □ laboratory         □ partial e-learning       □ (other)						
Student responsibilities	According to St	udy Regu	lations				
Screening student work (name the proportion of ECTS	Class attendance Experimental work		Research Report		Practical training (Other)		
activity so that the	Essay		Seminar		(Other)		
ECTS credits is	Tests		Oral exam		(Other)		
equal to the ECTS value of the course)	Written exam		Project		(Other)		
Grading and evaluating student work in class and at the final exam						I	
Required literature	Title				Number of copies in the library	Avail oth	ability via er media
(available in the library and via other media)	Naklada Slap, Andreasen F.M Flores M.T. : Traumatske oz	M., Andr	Zagreb, Zagreb, Zagreb, Zagreb, Zagreb, Zagreb, Zeasen J.O.,	Bakland L.K., Slap, Zagreb,			

	2008.		
	Škrinjarić I.: Trauma zuba u djece. Globus, Zagreb, 1988.		
Optional literature (at the time of submission of study programme proposal)	R. Welbury and MS Duggal. Paediatric Dentistry, 201	2., Oxford Univ	versity Press.
Quality assurance methods that ensure the acquisition of exit competences Other (as the proposer wishes to add)	<ul> <li>Teaching quality analysis by students and teache</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>	rs	

NAME OF THE COU	IRSE	Orofacial genetics					
Code			Year of study	4th			
Course teacher	Prof. Dolores Biočina- Lukenda, DMD, PhD		Credits (ECTS)	0.5			
	Assist. Prof. Josipa Sanja Gruden Pokupec, DMD, PhD; Danijela Kalibović-Govorko DMD, PhD; Lidia Gavić, DMD;			L	S	E	Т
Associate teachers			Type of instruction (number of hours)	0	0	0	15
Status of the course	Mandat	tory	Percentage of application of e-learning	0%	0%		
		COURSE I	DESCRIPTION				
Course enrolment requirements and entry competences required for the course	Not app	licable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)		<ul> <li>to describe and orofacia</li> <li>to describe craniofacial genetic diso through ger</li> <li>to describe of genetic d</li> </ul>	the most common gene al structures the most significant gen region, methods of eva orders and opportunities netic counseling the principles and chara lisorders	etic ab etic d luation for pr acteris	normal isorder n of pei reventi <sup>n</sup> tics of i	ities of the s of the rsons w ve actio nherita	ith n nce

	<ul> <li>to describe the clinical manifestations of genetic disorders in the orofacial area, their treatment options and prognosis</li> <li>to record a family medical history and outline a family heredogram</li> <li>The course refers to the theoretical and practical knowledge on genetic diseases with emphasis on the diseases manifested in the cranio-facial region.</li> <li>Thematic units:</li> </ul>
Course content broken down in detail by weekly class schedule (syllabus)	<ul> <li>History and Importance of oro-facial genetics.</li> <li>Epidemiology of craniofacial malformations and genetic diseases</li> <li>Dysmorphies of craniofacial structures (minor and major anomalies)</li> <li>Genes and chromosomes as the bearers of the heritage (normal and abnormal structures)</li> <li>Methods in genetics: family studies, population studies, twins studies, chromosomes and dermatoglyphies analysis</li> <li>Examination and evaluation of the craniofacial region in craniofacial dysmorphia</li> <li>Genetic anomalies of teeth: anomalies of number, shape, size and structure of the teeth</li> <li>The most common cromosomatic syndrome that affects orofacial structures (Down syndrome, fragile-X syndrome, Klinefelter syndrome and Turner syndrome)</li> <li>Ectodermal dysplasia: classification, diagnosis and detection of heterozygotes</li> <li>Metabolic disorders and craniofacial structures: Mucopolysaccaridosis, Mucolipidosis, Homocystinuria, Lesch-Nyhan syndrome</li> <li>Genetic disorders of periodontal structures</li> </ul>

	Neurocutaneous syndromes and orofacial structures.					
	• Syndromes associated with cleft lipa and palate (Rovin sequence,					
	syndrome, Van der Woude syndrome)					
	Genetic counseling in dental medicine					
	□ independent			tassignments		
Format of	□ exercises					
instruction	□ on line in entirety				entor	
	□ partial e-learning □ (othe			er)		
Student	field work					
responsibilities	According to St	udy Regulation	IS			
Screening student	Class attendance	Rese	earch		Practical traini	ng
proportion of ECTS	Experimental	Repo	ort		(Other)	
credits for each	work	Sem	inar		(0)	
total number of	Essay	essa	ıy		(Other)	
ECTS credits is equal to the ECTS	Tests	Oral	exam		(Other)	
value of the course)	Written exam	Proje	ect		(Other)	
Grading and evaluating student	Written exam					
work in class and at						
work in oldos and at						
the final exam					Number of	
the final exam		Title			Number of copies in	Availability via
the final exam		Title			Number of copies in the library	Availability via other media
the final exam	Škrinjarić I. Oro	<b>Title</b> facijalna genet	ika. Zag	reb: Školska	Number of copies in the library	Availability via other media
the final exam	Škrinjarić I. Oro knjga; 2006.	<b>Title</b> facijalna genet	ika. Zag	reb: Školska	Number of copies in the library	Availability via other media
the final exam	Škrinjarić I. Oro knjga; 2006. Škrinjarić I. C	<b>Title</b> facijalna genet	ika. Zag	reb: Školska – repetitorij,	Number of copies in the library	Availability via other media
the final exam	Škrinjarić I. Oro knjga; 2006. Škrinjarić I. C Zagreb: Stomat	Title facijalna genet Profacijalna ge ološki fakultet	ika. Zag enetika Zagreb;	reb: Školska – repetitorij, 2004.	Number of copies in the library	Availability via other media
Required literature	Škrinjarić I. Oro knjga; 2006. Škrinjarić I. C Zagreb: Stomat Škrinjarić I. Gen	Title facijalna genet profacijalna ge ološki fakultet jetičke abnorm	ika. Zag enetika Zagreb; ialnosti :	reb: Školska – repetitorij, 2004. zuba i	Number of copies in the library	Availability via other media
Required literature (available in the	Škrinjarić I. Oro knjga; 2006. Škrinjarić I. C Zagreb: Stomat Škrinjarić I. Gen orofacijalnih str Medicinska gen	Title facijalna genet Profacijalna ge ološki fakultet etičke abnorm uktura. U: Zerg etika Zagreb:	ika. Zag enetika Zagreb; alnosti : gollern L Školska	reb: Školska – repetitorij, 2004. zuba i _j. (ur): knjiga: 1991	Number of copies in the library	Availability via other media
Required literature (available in the library and via other media)	Škrinjarić I. Oro knjga; 2006. Škrinjarić I. C Zagreb: Stomat Škrinjarić I. Gen orofacijalnih str Medicinska gen Škrinjarić I. Gen	Title facijalna genet profacijalna ge ološki fakultet etičke abnorm ruktura. U: Zerg etika. Zagreb:	ika. Zag enetika Zagreb; alnosti : gollern L Školska	reb: Školska – repetitorij, 2004. zuba i .j. (ur): knjiga; 1991 giji (mentalnih	Number of copies in the library	Availability via other media
Required literature (available in the library and via other media)	Škrinjarić I. Oro knjga; 2006. Škrinjarić I. C Zagreb: Stomat Škrinjarić I. Gen orofacijalnih str Medicinska gen Škrinjarić I. Ge bolesti).U: Niko	Title facijalna genet profacijalna ge ološki fakultet retičke abnorm ruktura. U: Zerg retika. Zagreb: netski činioci u lić i sur. Menta	ika. Zag enetika Zagreb; alnosti i gollern I Školska u etiolo alni pore	reb: Školska – repetitorij, 2004. zuba i .j. (ur): knjiga; 1991 giji (mentalnih emećaji u djece	Number of copies in the library	Availability via other media
Required literature (available in the library and via other media)	Škrinjarić I. Oro knjga; 2006. Škrinjarić I. C Zagreb: Stomat Škrinjarić I. Gen orofacijalnih str Medicinska gen Škrinjarić I. Ge bolesti).U: Niko i omladine. Zag	Title facijalna genet profacijalna ge ološki fakultet etičke abnorm ruktura. U: Zerş etika. Zagreb: netski činioci u lić i sur. Menta reb: Školska kn	ika. Zag enetika Zagreb; aalnosti : gollern L Školska u etiolo alni pore niga; 198	reb: Školska – repetitorij, 2004. zuba i _j. (ur): knjiga; 1991 giji (mentalnih emećaji u djece 38.	Number of copies in the library	Availability via other media
Required literature (available in the library and via other media)	Škrinjarić I. Oro knjga; 2006. Škrinjarić I. C Zagreb: Stomat Škrinjarić I. Gen orofacijalnih str Medicinska gen Škrinjarić I. Ge bolesti).U: Niko i omladine. Zag Škrinjarić I, Nil	Title facijalna genet profacijalna ge ološki fakultet etičke abnorm ruktura. U: Zerg etika. Zagreb: netski činioci u lić i sur. Menta reb: Školska kn kolić S. Genet	ika. Zag enetika Zagreb; alnosti : gollern L Školska u etiolo alni pore iga; 198 ski aspe	reb: Školska – repetitorij, 2004. zuba i .j. (ur): knjiga; 1991 giji (mentalnih emećaji u djece 38. ekti mentalnih	Number of copies in the library	Availability via other media
Required literature (available in the library and via other media)	Škrinjarić I. Oro knjga; 2006. Škrinjarić I. C Zagreb: Stomat Škrinjarić I. Gen orofacijalnih str Medicinska gen Škrinjarić I. Ge bolesti).U: Niko i omladine. Zag Škrinjarić I, Nil poremećaja. U:	Title facijalna genet profacijalna ge ološki fakultet otičke abnorm ruktura. U: Zerş retika. Zagreb: netski činioci u lić i sur. Menta reb: Školska kn kolić S. Genet Nikolić S. i sur	ika. Zag enetika Zagreb; aalnosti : gollern L Školska u etiolo alni pore iiga; 198 ski aspe . Menta	reb: Školska – repetitorij, 2004. zuba i _j. (ur): knjiga; 1991 giji (mentalnih emećaji u djece 38. ekti mentalnih alni poremećaji	Number of copies in the library	Availability via other media
Required literature (available in the library and via other media)	Škrinjarić I. Oro knjga; 2006. Škrinjarić I. C Zagreb: Stomat Škrinjarić I. Gen orofacijalnih str Medicinska gen Škrinjarić I. Ge bolesti).U: Niko i omladine. Zag Škrinjarić I, Nil poremećaja. U: u djece i omlad	Title facijalna genet profacijalna ge ološki fakultet etičke abnorm ruktura. U: Zerg etika. Zagreb: netski činioci u lić i sur. Menta reb: Školska kn kolić S. Genet Nikolić S. i sur	ika. Zag enetika Zagreb; alnosti : gollern I Školska u etiolo alni pore iga; 198 ski aspe ski aspe . Menta	reb: Školska – repetitorij, 2004. zuba i .j. (ur): knjiga; 1991 giji (mentalnih emećaji u djece 38. ekti mentalnih alni poremećaji knjiga; 1990.	Number of copies in the library	Availability via other media
Required literature (available in the library and via other media)	Škrinjarić I. Oro knjga; 2006. Škrinjarić I. C Zagreb: Stomat Škrinjarić I. Gen orofacijalnih str Medicinska gen Škrinjarić I. Ge bolesti).U: Niko i omladine. Zag Škrinjarić I, Nil poremećaja. U: u djece i omlad	Title facijalna genet profacijalna ge ološki fakultet etičke abnorm ruktura. U: Zerg ruktura. U: Zerg ruktura. U: Zerg inetski činioci u netski činioci u	ika. Zag enetika Zagreb; alnosti : gollern I Školska u etiolo alni pore iiga; 198 ski aspe ski aspe ski aspe ski aspe ski aspe ski aspe	reb: Školska – repetitorij, 2004. zuba i .j. (ur): knjiga; 1991 giji (mentalnih emećaji u djece 38. ekti mentalnih alni poremećaji knjiga; 1990. koj genetici. U:	Number of copies in the library	Availability via other media
Required literature (available in the library and via other media)	Škrinjarić I. Oro knjga; 2006. Škrinjarić I. C Zagreb: Stomat Škrinjarić I. Gen orofacijalnih str Medicinska gen Škrinjarić I. Ge bolesti).U: Niko i omladine. Zag Škrinjarić I, Nil poremećaja. U: u djece i omlad Škrinjarić I. Den Zergollern Lj. (	Title facijalna genet profacijalna ge ološki fakultet retičke abnorm ruktura. U: Zerg retika. Zagreb: netski činioci u lić i sur. Menta reb: Školska kn kolić S. Genet Nikolić S. i sur ine II. Zagreb: Š rmatoglifi u m ur.): Medicinsl	ika. Zag enetika Zagreb; alnosti : gollern L Školska u etiolo alni pore niga; 198 ski aspe ski aspe Menta Školska l edicinsk ka gene	reb: Školska – repetitorij, 2004. zuba i .j. (ur): knjiga; 1991 giji (mentalnih emećaji u djece 38. ekti mentalnih alni poremećaji knjiga; 1990. koj genetici. U: etika I. Zagreb:	Number of copies in the library	Availability via other media
Required literature (available in the library and via other media)	Škrinjarić I. Oro knjga; 2006. Škrinjarić I. C Zagreb: Stomat Škrinjarić I. Gen orofacijalnih str Medicinska gen Škrinjarić I. Ge bolesti).U: Niko i omladine. Zag Škrinjarić I, Nil poremećaja. U: u djece i omlad Škrinjarić I. Den Zergollern Lj. ( Školska knjiga; 1. Stewart RE	Title facijalna genet profacijalna ge ološki fakultet etičke abnorm ruktura. U: Zerg etika. Zagreb: netski činioci u lić i sur. Menta reb: Školska kn kolić S. Genet Nikolić S. i sur ine II. Zagreb: Š rmatoglifi u m ur.): Medicinsl 1991.	ika. Zag enetika Zagreb; ialnosti : gollern I Školska u etiolo alni pore iga; 198 ski aspe : Menta Školska l edicinsk ka gene	reb: Školska – repetitorij, 2004. zuba i .j. (ur): knjiga; 1991 giji (mentalnih emećaji u djece 38. ekti mentalnih alni poremećaji knjiga; 1990. koj genetici. U: etika I. Zagreb: facial genetics	Number of copies in the library	Availability via other media
Required literature (available in the library and via other media)	Škrinjarić I. Oro knjga; 2006. Škrinjarić I. C Zagreb: Stomat Škrinjarić I. Gen orofacijalnih str Medicinska gen Škrinjarić I. Ge bolesti).U: Niko i omladine. Zag Škrinjarić I, Nil poremećaja. U: u djece i omlad Škrinjarić I. Den Zergollern Lj. ( Školska knjiga; 1. Stewart RE Company; 1	Title facijalna genet profacijalna ge ološki fakultet retičke abnorm ruktura. U: Zerg retika. Zagreb: netski činioci u lić i sur. Menta reb: Školska kn kolić S. Genet Nikolić S. i sur ine II. Zagreb: Š rmatoglifi u m ur.): Medicinsl 1991. . Prescott G.H 976.	ika. Zag enetika Zagreb; aalnosti : gollern I Školska u etiolo alni pore iiga; 198 ski aspe ski aspe ski aspe ski aspe dicinsk ka gene	reb: Školska – repetitorij, 2004. zuba i .j. (ur): knjiga; 1991 giji (mentalnih emećaji u djece 38. ekti mentalnih alni poremećaji knjiga; 1990. koj genetici. U: etika I. Zagreb: facial genetics	Number of copies in the library	Availability via other media
Required literature (available in the library and via other media) Optional literature (at the time of submission of study programme	Škrinjarić I. Oro knjga; 2006. Škrinjarić I. C Zagreb: Stomat Škrinjarić I. Gen orofacijalnih str Medicinska gen Škrinjarić I. Ge bolesti).U: Niko i omladine. Zag Škrinjarić I, Nil poremećaja. U: u djece i omlad Škrinjarić I. Den Zergollern Lj. ( Školska knjiga; 1. Stewart RE Company; 1 2. Gorlin RR. L	Title facijalna genet profacijalna genet ološki fakultet retičke abnorm ruktura. U: Zerg retika. Zagreb: netski činioci u lić i sur. Menta reb: Školska kn kolić S. Genet Nikolić S. i sur ine II. Zagreb: Š rmatoglifi u m ur.): Medicinsl 1991. . Prescott G.H 976. evin LS. Syndro	ika. Zag enetika Zagreb; ialnosti : gollern L Školska u etiolo alni pore iiga; 198 ski aspe ski aspe ski aspe ski aspe dicinsk ka gene I. Oral	reb: Školska – repetitorij, 2004. zuba i .j. (ur): knjiga; 1991 giji (mentalnih emećaji u djece 38. ekti mentalnih alni poremećaji knjiga; 1990. koj genetici. U: etika I. Zagreb: facial genetics the head and	Number of copies in the library	Availability via other media
	<ol> <li>Opitz Ch, Witkowski R. Pincshert F. Genetisch bedingte Fehlbindungen in orofaziokranialen Bereich. Berlin: Ouintessenze; 2001.</li> <li>Melinick M. Shields ED. Burzynski NJ. Clinical dysmorphology of oralfacial structures. Boston, Bristol, London: John Wright – PSG Inc; 1982.</li> <li>Jorgenson RJ. Dentition: genetic effects. March of Dimes</li> <li>Birth Defects Forndation : Original Article Series, Vol.19, No. 1, Alan R.Liss, Inc.,1983.</li> </ol>					
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Quality assurance methods that ensure the acquisition of exit competences Other (as the proposer wishes to add)	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>					

NAME OF THE COURSE Oral hygiene								
Code			Year of study	4th				
Course teacher	Profess Lukend	or Dolores Biočina- a, DMD, PhD	Credits (ECTS)	2				
Associate teachers	Professor Andrija Bošnjak, DMD, PhD; Ivana Medvedec, DMD, PhD; Danijela Kalibović Govorko, DMD, PhD; Marija Nosić DMD, MSc; Lidija Gavić DMD; Tea Galić DMD;		Type of instruction (number of hours)	L 10	S 10	E 10	Т 30	
Status of the course	Mandat	ory	Percentage of application of e-learning	0%				
	COURSE DESCRIPTION							
Course enrolment requirements and entry competences required for the course	Not app	Not applicable.						
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	•	<ul> <li>to define the importance of oral hygiene in dental pathology, periodontology, pediatric dentistry, oral medicine and orthodontics and special care for high risk patients</li> <li>to explain the importance of dental plaque</li> <li>to examine patients and carry out simple diagnostic procedures to determine the state of oral hygiene</li> <li>to familiarize with instruments in dental practice</li> </ul>						

	<ul> <li>to analy</li> </ul>	/ze papilla	bleeding inde	ks						
	<ul> <li>to describe</li> <li>hygiene</li> </ul>	<ul> <li>to describe the effects and scope of mechanical and chemical means for oral hygiene</li> </ul>								
	• to expla	to explain to the patient the procedure of oral hygiene								
	The importanc diseases; The clinical pediatri	e of oral importan c dentistr	hygiene in c ce of oral h <sup>.</sup> y.	omprehensive ygiene in dent	prevention of al pathology;	dental and oral Oral hygiene in				
Course content broken down in detail by weekly class schedule (syllabus)	Oral hygiene in orthodontics; Appropriate methods and means of oral hygiene in periodontal patients; Specifics of oral hygiene in patients with removable prosthodontic appliances; Specifics of oral hygiene in patients undergoing chemotherapy and / or radiation malignancies of the head and neck; Control of infection in immunocompromised patients; Dentobacterial plaque; Mechanical control of supragingival dental plaque; Chemical control of supragingival dental plaque;									
	Epidemiology of periodontal disease; Position of the patient in the chair and the position of the dental professional by the dental unit; Mastering the techniques of management basic dental instruments: mirror, probe and dental pincette;									
	Approach to the patient and the first clinical examination; Methods motivation of the patient to maintain oral hygiene; Determination of oral hygiene index (OH); Determining papilla bleeding index (PBI); Instructing patient in oral hygiene maintenance; Selecting the appropriate tooth brush and aids for oral hygiene									
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and workshops</li> <li>☑ exercises</li> <li>☑ on line in entirety</li> <li>☑ partial e-learning</li> <li>☑ (othe)</li> </ul>				nt assignments nentor er)					
Student responsibilities	According to St	udy Regu	lations							
Screening student work (name the	Class attendance		Research		Practical traini	ng				
proportion of ECTS credits for each	Experimental work		Report		(Other)					
activity so that the total number of	Essay		Seminar essay		(Other)					
ECTS credits is equal to the ECTS	Tests		Oral exam		(Other)					
value of the course) Grading and evaluating student	written exam Written exam		Project		(Other)					
work in class and at the final exam										
Required literature (available in the			<b>Fitle</b>		Number of copies in	Availability via other media				

library and via other		the library	
media)	Wilkins EM. Clinical practice of the dental hygienist		
	(certain chapters). 1994.		
	Clinical Periodontology and Implant Dentistry, 2		
	Volumes, Jan Lindhe, Niklaus P. Lang, Thorkild		
	Karring, 5th Edition, 2008		
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Besner E, Michanowicz AE, Michanowicz Practical Endodontics (odabrana poglavlja</li> <li>Šutalo J i sur. Patologija i terapija tvrdih zub poglavlja), Naklada Zadro</li> </ol>	JP. A Clinical . a), Mosby nih tkiva (oda	Atlas of brana
Quality assurance methods that ensure the acquisition of exit competences Other (as the proposer wishes to add)	<ul> <li>Teaching quality analysis by students and teache</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>	rs	

NAME OF THE COU	IRSE	Oral medicine 1							
Code			Year of study	4th					
Course teacher	Profess Lukend	sor Dolores Biočina la, DMD, PhD	Credits (ECTS)	4					
	Livia Ci	gić DMD, PhD;	The second strength and	L	S	Е	Т		
Associate teachers	Gruder PhD;	prof. Sanja-Josipa 1-Pokupec, DMD,	(number of hours)	15	0	45	60		
Status of the course	Manda	tory	Percentage of application of e-learning	0%					
	• •	COURSE I	DESCRIPTION						
Course enrolment requirements and entry competences required for the course	Not app	Not applicable.							
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	•	<ul> <li>to classify oral diseases</li> <li>to name and describe the procedures in the diagnosis of oral diseases</li> <li>to select and use oral tests for the diagnosis of oral diseases</li> <li>to identify physiological characteristics of oral mucosa and distinguish them from pathological phenomena in the oral mucosa</li> <li>to name and describe the macroscopic and microscopic pathological changes of oral mucosa</li> <li>to name factors of oral cavity defense</li> </ul>							

	<ul> <li>to identify and describe the oral mucosa</li> </ul>	manifestations of systemic diseases on the			
	<ul> <li>to identify and describe the in</li> <li>to identify and describe th</li> </ul>	njuries of the oral mucosa e side effects of using medications on oral			
	mucosa The course refers to the theoret	ical and practical knowledge and skills in			
	diagnosing and treatment of oral dise	eases.			
	Classification and diagnosis of oral diseases is followed by information on anatomical features and pathological phenomena in the oral mucosa and manifestations of systemic diseases on the oral mucosa as well as principles of diagnosis and treatment of other oral diseases.				
	All theoretical classes are accompanity training students to work independer	ied by seminars and clinical practice aimed at ntly.			
	Thematic sections:				
	- Morphological, physiological and pathological characteristics of oral mucosa				
	- Diagnosis in oral medicine				
Course content broken down in	- Congenital and developmental anomalies of the mouth and oral genodermatoses				
detail by weekly class schedule	- Oral disease as a consequence of systemic disorders				
(syllabus)	- Oral immune diseases				
	- Mucocutaneous autoimmune diseases				
	- Infection of oral mucosa				
	- Injuries of oral mucosal				
	- Oral precancerosis				
	- Oral symptoms				
	- Salivary gland diseases				
	- Oral diseases by topographic classifi	cation			
	- Oral focal infections				
Format of instruction	<ul> <li>lectures</li> <li>seminars and workshops</li> <li>exercises</li> <li>on line in entirety</li> <li>partial e-learning</li> <li>field work</li> </ul>	<ul> <li>independent assignments</li> <li>multimedia</li> <li>laboratory</li> <li>work with mentor</li> <li>(other)</li> </ul>			
Student responsibilities	According to Study Regulations				

Screening student	Class attendance		Research		Practical traini	ng				
proportion of ECTS credits for each activity so that the total number of	Experimental work		Report		(Other)					
	Essay		Seminar essay		(Other)					
ECTS credits is	Tests		Oral exam		(Other)					
value of the course)	Written exam		Project		(Other)					
Grading and evaluating student work in class and at the final exam	Oral exam	Oral exam								
		٢	Number of copies in the library	Availability via other media						
Required literature (available in the library and via other media)	1. Cekić-Aramb Školska knjiga,	ašin A. i s Zagreb, 2								
,										
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Burketova or naklada Zagreb</li> <li>Laskaris G. A urednica Mrava</li> <li>Langlais RP, I</li> <li>Topić B. Dife fakultet Sveučil</li> <li>Newman Mo Quintessence P</li> <li>Vučićević-I</li> <li>ZagrebMalame</li> <li>J.O Andrease</li> </ol>	<ol> <li>Burketova oralna medicina: dijagnoza i liječenje. 1. Hrvatsko izdanje, Medicinska naklada Zagreb, 2006. urednica Mravak-Stipetić M.</li> <li>Laskaris G. Atlas oralnih bolesti. Hrvatsko izdanje, Naklada Slap, Zagreb, 2005. urednica Mravak Stipetić M</li> <li>Langlais RP, Miller CS. Color atlas of common orsal diseases. Lippincott-Wilkins</li> <li>Topić B. Diferencijalna dijagnoza i terapija bolesti oralnih sluznica. Stomatološki fakultet Sveučilišta u Sarajevu, Stomatološki fakultet Sveučilišta u Zagrebu</li> <li>Newman MG, Winkelhoff. Antibiotic and Antimicrobial Use in Dental Practice, Quintessence Publishing Co</li> <li>Vučićević-Boras V. Priručnik oralne medicine. Medicinska naklada ZagrebMalamed : Handbook of Lcal Anaethesia, Mosby 1997,</li> </ol>								
Quality assurance methods that ensure the acquisition of exit competences Other (as the proposer wishes to add)	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>									

NAME OF THE COURSE		Oral medicine 2		
Code			Year of study	5th
Course teacher	Professor Dolores Biočina Lukenda, DMD, PhD		Credits (ECTS)	7

	Livia Cigić DMD, PhD;	L	S	Е	Т							
Associate teachers	assist. prof. Sanja-Josipa	Type of instruction										
	Gruden-Pokupec, DMD, PhD	(number of hours)	25	25	60	110						
Status of the course	Mandatory	Percentage of	0%									
	COURSE DESCRIPTION											
Course enrolment	ot applicable.											
requirements and entry competences required for the course												
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to identify and describe the injuries of the oral mucosa</li> <li>to identify and describe the side effects of using medications on oral mucosa</li> <li>to name, describe and identify diseases and disorders of the salivary glands and disorders in secretion of saliva</li> <li>to classify oral immunological disorders</li> <li>to name and describe the oral manifestations of immunodeficiencies</li> <li>to identify and describe viral infections of the oral cavity</li> <li>to identify and describe the specific and nonspecific bacterial infections of the mouth</li> <li>to classify mucocutaneous autoimmune diseases</li> <li>to identify and describe changes in the mucocutaneous autoimmune diseases</li> </ul>											
Course content broken down in detail by weekly class schedule (syllabus)	The course refers to the theoretical and practical knowledge and skills in diagnosing and treatment of oral diseases. Classification and diagnosis of oral diseases is followed by information or anatomical features and pathological phenomena in the oral mucosa and manifestations of systemic diseases on the oral mucosa as well as principles of diagnosis and treatment of other oral diseases. All theoretical classes are accompanied by seminars and clinical practice aimed at training students to work independently. Thematic sections: • Morphological, physiological and pathological characteristics of oral mucosa • Diagnosis in oral medicine • Congenital and developmental anomalies of the mouth and oral genodermatoses • Oral disease as a consequence of systemic disorders											
	- Mucocutaneous autoimmur	e diseases										

	- Infection of or	al mucos	а								
	- Injuries of ora	l mucosal									
	- Oral precance	rosis									
	- Oral symptom	Oral symptoms									
	- Salivary gland	Salivary gland diseases									
	- Oral diseases	by topogr	aphic classifi	cation							
	- Oral focal infe	Oral focal infections									
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars an</li> <li>☑ exercises</li> <li>☑ on line in ent</li> <li>☑ partial e-lear</li> <li>☑ field work</li> </ul>	nt assignments nentor er)									
Student responsibilities	According to St	udy Regu	lations								
Screening student work (name the	Class attendance		Research		Practical training						
proportion of ECTS credits for each	Experimental work		Report		(Other)						
activity so that the total number of	Essay		Seminar essay		(Other)						
ECTS credits is equal to the ECTS	Tests		Oral exam	_	(Other)						
value of the course)	Written exam		Project		(Other)						
Grading and evaluating student work in class and at th <u>e final exam</u>	Oral exam, writ	ten and p	practical exan	n							
	Title				Number of copies in the library	Av: of	ailability via ther media				
Required literature (available in the library and via other media)	1. Cekić-Aramb Školska knjiga,										
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Burketova oralna medicina: dijagnoza i liječenje. 1. Hrvatsko izdanje, Medicinska naklada Zagreb, 2006. urednica Mravak-Stipetić M.</li> <li>Laskaris G. Atlas oralnih bolesti. Hrvatsko izdanje, Naklada Slap, Zagreb, 2005. urednica Mravak Stipetić M</li> <li>Langlais RP, Miller CS. Color atlas of common orsal diseases. Lippincott-Wilkins</li> </ol>										
	<ol> <li>Topić B. Dife fakultet Sveučil</li> <li>Newman MC Quintessence P</li> </ol>	rencijalna išta u Sar G, Winkel ublishing	a dijagnoza i ajevu, Stoma Ihoff. Antibic Co	terapija bolesti tološki fakultet otic and Antimi	i oralnih sluzni Sveučilišta u Z crobial Use in	ca. S agre Der	stomatološki ebu Ital Practice,				

	<ol> <li>6. Vučićević-Boras V. Priručnik oralne medicine. Medicinska naklada</li> <li>ZagrebMalamed : Handbook of Lcal Anaethesia, Mosby 1997,</li> <li>7. J.O Andreasen i sur.: Textbook and Color Atlas of Tooth Impaction, Munksgaard</li> </ol>
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>
Other (as the proposer wishes to add)	

NAME OF THE COURSE Oral medicine 3							
Code			Year of study	6th			
Course teacher	Profess Lukend	or Dolores Biočina a, DMD, PhD	Credits (ECTS)	2			
Associate teachers	Livia Ci assist. Gruden PhD;	gić DMD, PhD; prof. Sanja-Josipa n-Pokupec, DMD,	Type of instruction (number of hours)	L 0	S 0	Е 0	Т 50
Status of the course	Mandat	tory	Percentage of application of e-learning	0%			
	-	COURSE I	DESCRIPTION	-			
Course enrolment requirements and entry competences required for the course	Not app	Vot applicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	• • • • •	<ul> <li>to identify and describe fungal infections of the oral cavity</li> <li>to identify and describe the specific and nonspecific bacterial infections of the mouth</li> <li>to classify mucocutaneous autoimmune diseases</li> <li>to identify and describe changes in the mucocutaneous autoimmune diseases</li> <li>to describe the symptom of burning and pain and disturbance of taste sensitivity</li> <li>to describe the diagnostic and therapeutic procedures in oral focal infections</li> <li>to select and administer a local therapeutic agent to a patient, depending on the diagnosis</li> <li>to consider and discuss the possible sequence of oral-laboratory and laboratory diagnostic procedures for each patient.</li> <li>to analyze and comment on the results of laboratory and radiological tests</li> </ul>					
Course content broken down in detail by weekly class schedule (syllabus)	The co diagnos Classific anatom	ourse refers to the sing and treatment of cation and diagnosis nical features and p	theoretical and practic oral diseases. of oral diseases is fo pathological phenomena	al kno ollowed in th	wledge d by in ne oral	and sk formatio mucosa	kills in on on a and

	manifestations of systemic diseases on the oral mucosa as well as principles of							
	diagnosis and tr	eatment	of other ora	diseases.				
	All theoretical o	classes ar	e accompani	ed by seminar	s and clinical practic	e aimed at		
	training student	ts to worl	k independer	ntly.				
	Thematic sectio	ns:						
	- Morphologi	ical, phys	iological and	pathological cl	haracteristics of oral	mucosa		
	- Diagnosis in or	al medic	ine					
	- Congenital and	d develop	omental anor	nalies of the m	outh and oral genod	ermatoses		
	- Oral disease as	s a conse	quence of sy	stemic disorde	rs			
	- Oral immune o	diseases						
	- Mucocutaneou	us autoim	nmune diseas	ses				
	- Infection of or	al mucos	а					
	- Injuries of oral mucosal							
	- Oral precancerosis							
	- Oral symptom	s						
	- Salivary gland	diseases						
	- Oral diseases b	oy topogr	aphic classifi	cation				
	- Oral focal infe	ctions						
	□ lectures				nt assignments			
Format of	□ seminars and ⊠ exercises	d worksho	ops	multimedia				
instruction	□ <i>on line</i> in ent	irety		$\square$ laboratory $\square$ work with m	nentor			
	partial e-learn field work	ning		□ (othe	er)			
Student responsibilities	According to Stu	udy Regu	llations					
Screening student	Class attendance		Research		Practical training			
proportion of ECTS	Experimental work		Report		(Other)			
activity so that the total number of	Essay		Seminar essay		(Other)			
ECTS credits is	Tests		Oral exam		(Other)			
value of the course)	Written exam		Project		(Other)			
Grading and evaluating student work in class and at	Oral exam, writt	ten and p	practical exan	n				

the final exam			
	Title	Number of copies in the library	Availability via other media
Required literature (available in the library and via other media)	1. Cekić-Arambašin A. i suautori. Oralna medicina. Školska knjiga, Zagreb, 2005.		
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Burketova oralna medicina: dijagnoza i liječenje. 1 naklada Zagreb, 2006. urednica Mravak-Stipetić M.</li> <li>Laskaris G. Atlas oralnih bolesti. Hrvatsko izdanje urednica Mravak Stipetić M</li> <li>Langlais RP, Miller CS. Color atlas of common orsal</li> <li>Topić B. Diferencijalna dijagnoza i terapija bolesti fakultet Sveučilišta u Sarajevu, Stomatološki fakultet</li> <li>Newman MG, Winkelhoff. Antibiotic and Antimic Quintessence Publishing Co</li> <li>Vučićević-Boras V. Priručnik oralne med ZagrebMalamed : Handbook of Lcal Anaethesia, Mos 7. J.O Andreasen i sur.: Textbook and Color Atlas of T</li> </ol>	L . Hrvatsko izda diseases. Lipp oralnih sluzni Sveučilišta u Z crobial Use in licine. Media by 1997, ooth Impactio	anje, Medicinska p, Zagreb, 2005. Dincott-Wilkins ca. Stomatološki Cagrebu Dental Practice, cinska naklada
Quality assurance methods that ensure the acquisition of exit competences Other (as the proposer wishes to add)	<ul> <li>Teaching quality analysis by students and teacher</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>	rs	

NAME OF THE COURSE Oral surgery 1								
Code			Year of study	4th	4th			
Course teacher	Assist. Prof. Ivan Galić, DMD, PhD		Credits (ECTS)	6	6			
		drov DND MSc	-	L	S	Е	Т	
Associate teachers	Ivan Br	akus, DMD, PhD;	(number of hours)	20	10	60	90	
Status of the course	Mandat	tory	Percentage of application of e-learning	0%				
	-	COURSE I	DESCRIPTION	-				
Course enrolment requirements and entry competences required for the course	Not app	olicable.						
Learning outcomes expected at the level of the course	• to sur	quote and describe in gery	nstruments, medicaments	s and i	remedie	s used i	n oral	

(4 to 10 learning outcomes)	<ul> <li>to describe and perform clinical examination of a patient under the supervision of faculty</li> <li>to list and describe different techniques of diagnostic imaging of orofacial region</li> <li>to describe techniques opisati tehnike and apply local anesthesia on model and patient under the supervision of faculty</li> <li>to list and describe techniques for tooth extraction</li> <li>to perform tooth extraction on models and patients under the supervision of faculty</li> <li>to stich oral wounds simulated on models and patients under the supervision of faculty</li> <li>to describe early and late complications of tooth extraction and local application of anesthetics</li> </ul>							
Course content broken down in detail by weekly class schedule (syllabus)	Course includes surgery. Classes (models, mann students must extraction. Clin anamnesis, clin solve various co instrumets and roots. Students infection, diagr of premalignan approach to pre presented.	Course includes theoretical and practical knowledge and skills related to oral urgery. Classes start off with lectures and pre-clinical exercises on phantoms models, mannequins) set to dental units. Prior the admission to clinical practice, tudents must pass preliminary written examination on local anesthesia and tooth extraction. Clinical practice accentuate the acquisition of skills for taking mamnesis, clinical examination and extraction of teeth. The student must learn to olve various complications occuring during tooth extraction by using different instrumets and procedures to address the problem such as separation of dental oots. Students need to master the diagnosis and treatment options odontogenic infection, diagnosis of cystic lesions and benign tumors of the oral cavity, diagnosis of premalignant lesions and early detection of oral cancer. Interdisciplinary approach to presented knowledge about treatment options for impacted teeth is presented.						
Format of instruction	<ul> <li>lectures</li> <li>seminars an</li> <li>exercises</li> <li>on line in en</li> <li>partial e-lear</li> <li>field work</li> </ul>	presented.         ☑ lectures         ☑ seminars and workshops         ☑ exercises         ☑ on line in entirety         ☑ partial e-learning         ☑ field work			t assignments lentor er)			
Student responsibilities	According to St	udy Regu	llations					
Screening student work (name the proportion of ECTS credits for each	Class attendance Experimental work		Research Report		Practical traini (Other)	ng		
activity so that the	Essay		Seminar essav		(Other)			
ECTS credits is	Tests		Oral exam		(Other)			
value of the course)	Written exam		Project		(Other)			
Grading and evaluating student work in class and at the final exam	Written exam,	oral exam	and practica	al exam				
Required literature (available in the		1	<b>Title</b>		Number of copies in the library	Av o	ailability via ther media	
media)	Knežević : Oralı Zagreb, 2003	na kirurgij	ja II, Medicin	ska naklada				

	Miše: Oralna kirurgija, Jumena 1988					
	Grupa autora: Stomatološka dijagnostika i propedeutika, ispitno štivo, Stomatološki fakultet Zagreb, 1996					
	Grupa autora: Odabrana poglavlja iz					
	gerontostomatologije, Stomatološki fakultet, Zagreb					
	2004.					
Optional literature (at the time of submission of study programme proposal)	<ul> <li>(1.) Peterson i sur.: Contemporary Oral and Maxillofacial Surgery, Mosby 1998, S.F.</li> <li>(2.) Malamed : Handbook of Local Anaethesia, Mosby 1997.</li> <li>(3.) J.O: Andreasen I sur.: Textbook and Color Atlas of Tooth Impaction, Munksgard 1997</li> </ul>					
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teache</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>	rs				
Other (as the proposer wishes to add)						

NAME OF THE COU	RSE	Oral surgery 2							
Code			Year of study	5th					
Course teacher	Assist. DMD, P	Prof. Ivan Galić, PhD	Credits (ECTS)	6					
Associate teachers	Jozo Badrov, DMD, MSc; Ivan Brakus, DMD, PhD; Mandatory		Type of instruction (number of hours)	L 0	S 0	E 110	T 110		
Status of the course	Mandat	tory	Percentage of 0% application of e-learning						
COURSE DESCRIPTION									
Course enrolment requirements and entry competences required for the course	Not app	blicable.							
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to j</li> <li>to j</li> <li>to j</li> <li>dur</li> <li>to j</li> </ul>	perform clinical exam interpret the findings steadily apply acqui ring the course of clin perform different tech perform teeth extract perform wound stichi recognize late compli al anesthetics on pati assist during the surgi describe techniques f	ination of patient under th of different diagnostic ima red knowledge in detern ical practice hniques for adminstration ions on patients ng on patients ications caused by tooth e ents ical procedures under loca or tissue sample procurem	ne supe aging te nining of loca extract I and g ent (bi	ervision echnique differer Il anesth ion and eneral a iopsy)	of facult es ntial dia netics applicat nesthes	y gnosis tion of ia		
Course content broken down in detail by weekly class schedule	Course surgery (model	e includes theoretical v. Classes start off wit s, mannequins) set to	and practical knowledge a h lectures and pre-clinical dental units. Prior the add	nd skil exercis nissior	ls relate ses on pl n to clini	d to ora nantoms cal pract	l s tice,		

(syllabus)	students must pass preliminary written examination on local anesthesia and tooth extraction. Clinical practice accentuate the acquisition of skills for taking anamnesis, clinical examination and extraction of teeth. The student must learn to solve various complications occuring during tooth extraction by using different instrumets and procedures to address the problem such as separation of dental roots. Students need to master the diagnosis and treatment options odontogenic infection, diagnosis of cystic lesions and benign tumors of the oral cavity, diagnosis of premalignant lesions and early detection of oral cancer. Interdisciplinary approach to presented knowledge about treatment options for impacted teeth is presented.						
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and workshops</li> <li>☑ exercises</li> <li>☑ on line in entirety</li> <li>☑ partial e-learning</li> <li>☑ field work</li> </ul>				: assignments entor r)		
Student responsibilities	According to St	udy Regu	llations				
Screening student work (name the proportion of ECTS	Class attendance Experimental		Research		Practical traini	ng	
credits for each activity so that the total number of	work Essay		Seminar essay		(Other)		
ECTS credits is equal to the ECTS value of the course)	Tests		Oral exam		(Other)		
	Written exam		Project		(Other)		
Grading and evaluating student work in class and at the final exam	Written exam,	oral exam	n, practical ex	am			
		٦	<b>Fitle</b>		Number of copies in the library	Av of	ailability via ther media
Required literature	Knežević : Oral Zagreb, 2003	na kirurgij	ja II, Medicin	ska naklada			
(available in the	Miše: Oralna ki	rurgija, Ju	imena 1988				
nedia)	Grupa autor propedeutika, Zagreb, 1996	a: Storr ispitno š	tivo, Stomat	dijagnostika i ološki fakultet			
	Grupa autora: (	Odabrana	poglavlja iz tomatoločki f	akultat Zagrab			
	2004.	ologije, Si	lomatoloski i	akullet, Zagieb			
Optional literature (at the time of submission of study programme proposal)	(1.) Peterson i s (2.) Malamed : (3.) J.O: Andrea 1997	sur.: Cont Handboo Isen I sur.	emporary Or k of Local An : Textbook ar	al and Maxillofa aethesia, Mosb nd Color Atlas o	icial Surgery, N y 1997. f Tooth Impac	/lost	oy 1998, S.F. , Munksgard
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching q</li> <li>Exam pass</li> <li>Committee</li> <li>External ev</li> </ul>	uality ana ing rate a for contro aluation	lysis by stude nalysis I of teaching	ents and teache reports	rs		

NAME OF THE COURSE Oral surgery 3									
Code			Year of	study	6th				
Course teacher	Assist. DMD, F	Prof. Ivan Galić, PhD	Credits	(ECTS)	2				
Associate teachers	Jozo Ba Ivan Br	adrov, DMD, MSc; akus, DMD, PhD;	Type of (numbe	instruction of hours)	L O	S 0	Е 0	Т 50	
Status of the course	Manda	tory	Percentage of 0% application of e-learning						
	-	COURSE [	DESCRI	PTION	<u>,</u>				
Course enrolment requirements and entry competences required for the course	Not app	olicable.							
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to</li> <li>to</li> <li>to</li> <li>dui</li> <li>to</li> <li>to</li> <li>to</li> <li>to</li> <li>to</li> <li>to</li> <li>to</li> </ul>	<ul> <li>to perform clinical examination of patient under the supervision of faculty</li> <li>to interpret the findings of different diagnostic imaging techniques</li> <li>to steadily apply acquired knowledge in determining differential diagnosis during the course of clinical practice</li> <li>to perform different techniques for adminstration of local anesthetics</li> <li>to perform teeth extractions on patients</li> <li>to recognize late complications caused by tooth extraction and application of local anesthetics on patients</li> <li>to assist during the surgical procedures under local and general anesthesia</li> <li>to describe techniques for tissue sample procurement (biopsy)</li> </ul>							
Course content broken down in detail by weekly class schedule (syllabus)	Course surgery (model studen extract anamn solve v instrum roots. S infectio of pren approa presen	includes theoretical a v. Classes start off with s, mannequins) set to ts must pass prelimina ion. Clinical practice ac esis, clinical examinati arious complications o nets and procedures to Students need to mast on, diagnosis of cystic l nalignant lesions and e ch to presented know ted.	nd pract lectures dental u rry writte ccentuat on and e occuring o address er the di esions a early det ledge ab	ical knowledge ar s and pre-clinical of nits. Prior the adr en examination or the acquisition extraction of teeth during tooth extra s the problem suc agnosis and treat nd benign tumors ection of oral can out treatment op	nd skill exercis missior n local of skill n. The action ch as se ment of s of the cer. In tions f	s related ses on pl n to clini anesthe s for tak student by using eparatio options o coral can terdiscip or impa	to oral nantoms cal pract sia and t ing must lea differer n of den odontog vity, diag olinary cted tee	tice, tooth arn to nt tal enic gnosis th is	
Format of instruction	presented.       □ lectures       □ seminars and workshops       □ aboratory       □ on line in entirety       □ partial e-learning								

	☐ field work						
Student responsibilities	According to St	udy Regulations					
Screening student	Class attendance	Research		Practical traini	ng		
proportion of ECTS	Experimental work	Report		(Other)			
activity so that the total number of	Essay	Seminar essay		(Other)			
ECTS credits is	Tests	Oral exam		(Other)			
value of the course)	Written exam	Project		(Other)			
Grading and evaluating student work in class and at the final exam							
	Title			Number of copies in the library	Availability via other media		
Required literature	Knežević : Oralı	na kirurgija II, Medicins	ska naklada				
	Zagreb, 2003						
(available in the	Miše: Oralna kirurgija, Jumena 1988						
library and via other media)	Grupa autora: Stomatološka dijagnostika i propedeutika, ispitno štivo, Stomatološki fakultet Zagreb, 1996						
	Grupa autora: (	Ddabrana poglavlja iz					
	gerontostomatologije, Stomatološki fakultet, Zagreb 2004.						
Optional literature (at the time of submission of study programme proposal)	<ul> <li>I I</li> <li>(1.) Peterson i sur.: Contemporary Oral and Maxillofacial Surgery, Mosby 1998, S.F.</li> <li>(2.) Malamed : Handbook of Local Anaethesia, Mosby 1997.</li> <li>(3.) J.O: Andreasen I sur.: Textbook and Color Atlas of Tooth Impaction, Munksgard 1997</li> </ul>						
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching q</li> <li>Exam pass</li> <li>Committee</li> <li>External ev</li> </ul>	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>					
proposer wishes to add)							

NAME OF THE COU	IRSE	Orthodontics 1						
Code			Year of	study	4th			
Course teacher	Assista Varga,	nt professor Suzana DMD, PhD	Credits	(ECTS)	5			
	Danijel DMD, F	a Kalibović Govorko, PhD;			L	S	Е	Т
Associate teachers	Slavica Branim DMD, N Petar B Neven Zorana DMD, F	Pejda, DMD, PhD; ira Mikelić Vitasović, ASc; itanga, DMD; Vidović, DMD, PhD; Ivanković Buljan, PhD;	Type of (numbe	Type of instruction (number of hours)		10	60	90
Status of the course	Mandat	tory	Percen	tage of	0%			
	l	COURSE	DESCRI	PTION	<u> </u>			
Course enrolment requirements and entry competences required for the course	Not app	blicable.						
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)		<ul> <li>to give the definition to describe the hill</li> <li>to describe and end development of the to describe and ide permanent dentifient to describe and exist to identify, explain to list and classify</li> <li>to describe the classify to describe and and to perform clinical patient</li> </ul>	istory of explain the che orofa dentify c tion cplain chu n and list y the pat linical an upply the al examin	aning and purpos the development ne prenatal and pa acial system haracteristics of c ronology and phase the most common hogenesis and eti d functional chara diagnostic proce- nation and identify	e of or t of ort ostnat decidud es of to ortho iology acteris dures y ortho	bodontic al growt ous, mix ooth exfo dontic al of maloo tics of n in ortho odontic a	cics cs h and ed and nomalies cclusion nalocclus dontics anomalie	sion es on a
Course content broken down in detail by weekly class schedule (syllabus)	Orthod conten the sur the gro the clin of male and the orthod aesthe	ontics is an integral pa t, studying the prenat rounding craniofacial s wth and development ical manifestations of occlusion in the world a grapeutic interventions ontic appliances in ord tics of orofacial area w m.	art of der al and p structure of certa certain and in th and in th s with m ler to es hile resp	ntal science and p ostnatal developm es, explaining the in parts of the cra malocclusions, fol ne country, include yofunctional, rem tablish a normal n pecting the limitat	ractice nent o factor: aniofac lows e es pre- novable novable norpho	e which, f the de s that ac cial com pidemic ventive, e and fix ology, fu f the inc	with its ntition a lversely plex, stu logical t intercep red nction a lividual	ind affect dies rends otive ind
Format of instruction	<ul> <li>☑ lectu</li> <li>☑ sem</li> <li>☑ exen</li> <li>□ on li</li> <li>□ parti</li> </ul>	ures inars and workshops rcises <i>ne</i> in entirety al e-learning		<ul> <li>independent a</li> <li>multimedia</li> <li>laboratory</li> <li>work with mer</li> <li>(other)</li> </ul>	assignr ntor	nents		

	☐ field work						
Student responsibilities	According to St	udy Regulations					
Screening student	Class attendance	Research		Practical traini	ng		
proportion of ECTS credits for each	Experimental work	Report		(Other)			
activity so that the total number of	Essay	Seminar essay		(Other)			
ECTS credits is	Tests	Oral exam		(Other)			
value of the course)	Written exam	Project		(Other)			
Grading and evaluating student work in class and at the final exam	Written exam						
Required literature (available in the library and via other	Title Number of copies in the library						
	Proffit W i sur. Ortodoncija, Jastrebarsko: Slap, 2010.						
media)	Muretić Ż. I sur. Rendgenska kefalometrija: Školska knjiga, 2014.						
	Lapter V. i sur.	Ortodontske naprave					
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Lapter V.: Ortodoncija za prakticare</li> <li>Rakosi T., Graber T.M. Orthodontic and Dentofacial Orthopedic Treatment:Thieme, 2010.</li> <li>Špalj S i sur: Ortodontski priručnik, Rijeka: Medicinski fakultet, 2012</li> <li>Bishara SE. Textbook of orthodontics. WB Saunders Company, Philadelphia, 2001 (Section L Growth and development, pp. 1-98)</li> </ol>						
Quality assurance methods that ensure the acquisition of exit competences Other (as the proposer wishes to add)	<ul> <li>Teaching q</li> <li>Exam pass</li> <li>Committee</li> <li>External ev</li> </ul>	uality analysis by stude ing rate analysis for control of teaching aluation	ents and teache reports	rs			

NAME OF THE COL	JRSE	Orthodontics 2						
Code			Year of study	5th	5th			
Course teacher	Assista Varga,	nt professor Suzana DMD, PhD	Credits (ECTS)	5				
	Danijela Kalibović Govorko,			L	S	Е	Т	
Associate teachers	DMD, F Slavica Branim DMD, F	²hD; Pejda, DMD, PhD; ira Mikelić Vitasović, MSc;	Type of instruction (number of hours)	20	10	60	90	

	Petar Bitanga, D	MD:							
	Neven Vidović,	DMD, PhD;	;						
	Zorana Ivankovi	ć Buljan,	, 						
	DMD, PhD;								
Status of the course	Mandatory		Percent	age of ion of e-learnin	0%				
	<u>.</u>	COURS	E DESCRI	PTION	<u> </u>				
Course enrolment	Not applicable.	t applicable.							
requirements and									
entry competences									
required for the									
course	• to descr	riba tha nri	inciples of h	iomechanics in	orthodo	ntics			
	• to desci	• to describe the principles of biomechanics in orthogonal							
	• to descr	ribe the typ	bes of force		JII fhana r	omodoli	ng in th	-	
	to descr	of the rame	Jinechanica		n bone i	emodeli	ng in th	2	
	to dosci	of the apy	inciples of r	omovable and f	ived apr	liancos'	thorani	06	
Learning outcomes	• to desci	ribe and id	antify the n	eniovable and i	ixed ror	movable	and five	25 5d	
expected at the	<ul> <li>to desci appliant</li> </ul>		entity the h		useu rei	novable		2u	
level of the course	appliances								
(4 to 10 learning	<ul> <li>appliances</li> <li>to compare treatment options with respect to age and possibility of</li> </ul>								
outcomes)									
retention and relapse							Jinty Of		
	<ul> <li>to describe and apply oral hygiene measures in orthodontic patient</li> </ul>								
	<ul> <li>to describe principles of orthodontic-surgical therapy</li> </ul>								
	<ul> <li>to deve</li> </ul>	lon multidi	isciplinary a	pproach dealin	g with o	rthodont	ic anom	nalies	
	Orthodontics is	)rthodontics is an integral part of dental science and practice which with its							
	content. studvir	ng the prei	natal and p	ostnatal develo	pment o	f the dei	ntition a	nd	
	the surrounding	g craniofaci	ial structure	s, explaining th	e factor	s that ad	versely	affect	
Course content	the growth and	developm	ent of certa	in parts of the	craniofad	cial com	, olex, stu	dies	
broken down in	the clinical man	ifestations	of certain r	nalocclusions, f	ollows e	pidemio	logical t	rends	
detail by weekly	of malocclusion	in the wor	rld and in th	e country, inclu	ides pre	ventive,	intercep	otive	
(syllabus)	and therapeutic	: interventi	ions with m	yofunctional, re	emovabl	e and fix	ed		
	orthodontic app	oliances in	order to est	ablish a norma	l morpho	ology, fu	nction a	nd	
	aesthetics of or	ofacial area	a while resp	ecting the limit	ations o	f the ind	ividual		
	optimum.								
	⊠ lectures				t assignr	nents			
	$\boxtimes$ seminars and	d workshop	DS		accigin	lionto			
Format of	⊠ exercises			□ laboratory					
Instruction	on line in ent	irety		work with m	entor				
	D partial e-lear	ning		□ (othe	r)				
Otividant									
student responsibilities	According to Stu	udy Regula	ations						
Screening student	Class	F	Research		Practica	l training			
work (name the	Experimental		<b>.</b> .			<b>N N</b>			
proportion of ECIS	work	F	Report		(0	Other)			
activity so that the total number of	Essay	S	Seminar essay		((	Other)			
ECTS credits is	Tests	C	Dral exam		(0	Other)			

equal to the ECTS value of the course)	Written exam	Project		(Other)			
Grading and evaluating student work in class and at the final exam	Written exam						
		Title		Number of copies in the library	Availability via other media		
Required literature (available in the	Proffit W i su 2010.	ur. Ortodoncija, Jastro	ebarsko: Slap,				
media)	Muretić Ž. I su knjiga, 2014.	r. Rendgenska kefalom					
	Lapter V. i sur. Lapter V.: Orto	Ortodontske naprave doncija za praktičare					
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Rakosi T</li> <li>Treatment:Thie</li> <li>Špalj S i sur</li> <li>Bishara SE. T</li> <li>2001. (Section</li> </ol>	Rakosi T., Graber T.M. Orthodontic and Dentofacial Orthopedic reatment:Thieme, 2010. 2. Špalj S i sur: Ortodontski priručnik, Rijeka: Medicinski fakultet, 2012 3. Bishara SE. Textbook of orthodontics. WB Saunders Company, Philadelphia, 2001. (Section I. Growth and development, pp. 1-98					
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching q</li> <li>Exam pass</li> <li>Committee</li> <li>External ev</li> </ul>	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>					
Other (as the proposer wishes to add)							

NAME OF THE COU	AME OF THE COURSE Orthodontics 3							
Code	Code		Year of study	6th	6th			
Course teacher	Assistant professor Suzana Varga, DMD, PhD		Credits (ECTS)	2	2			
	Danijel	a Kalibović Govorko,		L	S	Е	Т	
Associate teachers	DMD, F Slavica Branim DMD, N Petar B Neven Zorana DMD, F	PhD; Pejda, DMD, PhD; ira Mikelić Vitasović, MSc; itanga, DMD; Vidović, DMD, PhD; Ivanković Buljan, PhD;	Type of instruction (number of hours)	0	0	0	50	
Status of the course Mandatory		Percentage of application of e-learning	0%					
	1	COURSE [	DESCRIPTION	8				

Course enrolment requirements and entry competences required for the course	Not applicable.							
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to describe and perform a clinical examination of orthodontic patient</li> <li>to take and analyze the medical history</li> <li>to identify clinical and functional characteristics of orthodontic anomalies</li> <li>to assess patient's orthodontic treatment needa</li> <li>to assessing the timing of orthodontic treatment</li> <li>to preparing the patient for orthodontic referral</li> <li>to develop multidisciplinary approach dealing with orthodontic anomalies</li> </ul>							
Course content broken down in detail by weekly class schedule (syllabus)	Orthodontics is content, studyin the surrounding the growth and the clinical man of malocclusion and therapeutic orthodontic app aesthetics of or optimum.	rthodontics is an integral part of dental science and practice which, with its intent, studying the prenatal and postnatal development of the dentition and e surrounding craniofacial structures, explaining the factors that adversely affect e growth and development of certain parts of the craniofacial complex, studies e clinical manifestations of certain malocclusions, follows epidemiological trends malocclusion in the world and in the country, includes preventive, interceptive d therapeutic interventions with myofunctional, removable and fixed thodontic appliances in order to establish a normal morphology, function and esthetics of orofacial area while respecting the limitations of the individual ptimum.						
Format of instruction	□ lectures         □ seminars and workshops         □ seminars and workshops         □ independent assignments         □ multimedia         □ laboratory         □ partial e-learning         □ field work							
Student responsibilities	According to St	udy Regu	lations					
Screening student work (name the proportion of ECTS	Class attendance Experimental		Research Report		Practical traini (Other)	ng		
credits for each activity so that the	work Essav		Seminar		(Other)			
total number of ECTS credits is	Tests		essay Oral exam		(Other)			
equal to the ECTS value of the course)	Written exam		Project		(Other)			
Grading and evaluating student work in class and at the final exam	Written exam							
		1	Title		Number of copies in the library	Availability via other media		
Required literature (available in the	Proffit W i su 2010.	ır. Ortod	loncija, Jastre	barsko: Slap,				
ilbrary and via other media)	Muretić Ž. I su knjiga, 2014.	r. Rendge	enska kefalom	etrija: Školska				
	Lapter V. I sur. C Lapter V.: Ortoc	Jrtodont doncija za	ske naprave a praktičare					

Optional literature	1. Rakosi T., Graber T.M. Orthodontic and Dentofacial Orthopedic								
(at the time of submission of study programme proposal)	<ol> <li>2. Špalj S i sur: Ortodontski priručnik, Rijeka: Medicinski fakultet, 2012</li> <li>3. Bishara SE. Textbook of orthodontics. WB Saunders Company, Philadelphi</li> <li>2001. (Section I. Growth and development, pp. 1-98</li> </ol>								
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>								
Other (as the proposer wishes to add)									

NAME OF THE COURSE Periodontology 1							
Code			Year of study	4th			
Course teacher	Profess DMD, F	or Andrija Bošnjak, PhD	Credits (ECTS)	6			
Associate teachers	Marija Katica I	Nosić, DMD; Parat, DMD, MSc;	Type of instruction (number of hours)	L 30	S 0	E 60	Т 90
Status of the course	Mandatory		Percentage of application of e-learning	0%	0%		
	-	COURSE I	DESCRIPTION	-			
Course enrolment requirements and entry competences required for the course	Not app	blicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	• • • •	<ul> <li>to list the most common periodontal diseases</li> <li>to describe the etiology of the most common periodontal diseases</li> <li>to describe principles of prevention of periodontal diseases</li> <li>to describe principles of motivation and proper hygienic habits for successful periodontal therapy</li> <li>to describe diagnostic tools and methods used in periodontology</li> <li>to describe the symptoms of acute and chronic periodontal disease</li> <li>to remove soft and hard plaque with ultrasonic and hand instruments</li> </ul>					
Course content broken down in detail by weekly class schedule (syllabus)	The co Theore semina Thema - - -	burse is applicable t tical teaching is acc rs in order to train stu tic sections of the cou Anatomy of periodor Dental plaque and ta Microbiology of perio	o periodontal theoretica ompanied by preclinical idents for independent wo rse are: ntal tissues rtar odontal disease	I and and ork.	practica clinical	al know exercise	ledge. s and

	<ul> <li>Classification, Epidemiology and Diagnosis of periodontal diseases caused by plaque and the changes are not caused by plaque</li> <li>Consequences of gingival and periodontal diseases</li> <li>Instruments and the principles of scaling and root planning</li> <li>Initial therapy and recall</li> <li>Agents for chemical plaque control</li> <li>Antibiotics in the treatment of periodontitis</li> <li>Periodontal disease as risk or consequences of general health</li> </ul>						
Format of instruction	<ul> <li>☑ lectures</li> <li>□ seminars and workshops</li> <li>☑ exercises</li> <li>□ on line in entirety</li> <li>□ partial e-learning</li> <li>□ field work</li> <li>□ independent</li> <li>□ multimedia</li> <li>□ laboratory</li> <li>□ work with m</li> <li>□ (othe</li> </ul>			t assignments entor er)			
Student responsibilities	According to St	udy Regu	lations				
Screening student work (name the	Class attendance		Research		Practical traini	ng	
proportion of ECTS credits for each	Experimental Report			(Other)			
activity so that the total number of	Essay		Seminar essay		(Other)		
ECTS credits is equal to the ECTS	Tests Oral exam			(Other)			
value of the course)	Written exam Project				(Other)		
Grading and evaluating student work in class and at the final exam	Written exam	Written exam					
		٦	<b>Title</b>		Number of copies in the library	Availability via other media	
Required literature	Clinical Periodontology and Implant Dentistry, 2 Volumes, Jan Lindhe, Niklaus P. Lang, Thorkild Karring, 5th Edition, 2008						
(available in the library and via other media)	Color Atlas of Dental Medicine: Periodontology Hardcover, <u>Herbert F. Wolf</u> , <u>Edith</u> <u>M. Rateitschak-Pluss</u> , <u>Klaus H. Rateitschak</u> , 3th Edition, 2004						
	Carranzas Clin Newman, Ferr Edition, 2002	ical Peri nin A. C					
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Atlas of Cosn</li> <li>Antibiotics/A</li> </ol>	netic and Intimicrob	Reconstructiv pial Use in Der	e Periodontal Ital Practice, 2	Surgery Misch <sup>nd</sup> ed, Newmar	Cohen, 2004 /Winkelhoff	
Quality assurance	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> </ul>						

NAME OF THE COU	IRSE	Periodontology 2					
Code			Year of study	5th			
Course teacher	Profess DMD, F	sor Andrija Bošnjak, PhD	Credits (ECTS)	6	6		
Associate teachers	Marija Katica I	Nosić, DMD; Parat, DMD, MSc;	Type of instruction (number of hours)	L 25	S 25	E	T
Status of the course	Manda	tory	Percentage of application of e-learning	0%	20	00	110
_		COURSE [	DESCRIPTION				
Course enrolment requirements and entry competences required for the course	Not app	blicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	• • • • •	to implement princi during practical work to motivate patients to set diagnosis and o and chronic periodor to participate in dete possible outcomes of to remove soft and h to remove subgingi instruments under th to immobilize mova supervision of faculty	ples of periodontal disea and instruct them for imp describe of most common ntitis) rmination of therapeutic periodontal therapy in in ard plaque with ultrasonic val plaque and calculus e supervision of faculty able teeth with custom	ase the proving perio measu dividu cinstru with shape	erapy a their hy dontal c ures and al patier uments ultraso ed splir	nd preve vgienic h liseases in asses nts nic and uts unde	ention abits (acute sment hand er the
Course content broken down in detail by weekly class schedule (syllabus)	The conservations semination Thema - - - - - - - - - - - - - - - - - - -	ourse is applicable to tical teaching is acco rs in order to train stu tic sections of the cour Anatomy of periodon Dental plaque and ta Microbiology of perio Classification, Epidem by plaque and the ch Consequences of ging Instruments and the Initial therapy and re Agents for chemical p Antibiotics in the trea Periodontal disease a Endodontics and peri	o periodontal theoretical ompanied by preclinical dents for independent wo rse are: ntal tissues rtar odontal disease niology and Diagnosis of p anges are not caused by p gival and periodontal dise principles of scaling and re call olaque control atment of periodontal dise as a risk or consequences of fodontology	I and and ork. eriodo olaque ases oot pla ease of gene	practica clinical ontal disc anning eral heal	al know exercise eases ca	ledge. s and used

	<ul> <li>Orthodontics and periodontology</li> <li>Regenerative therapy</li> <li>Bone resective surgery</li> <li>Mucogingival esthetic surgery</li> </ul>						
Format of instruction	<ul> <li>lectures</li> <li>seminars and</li> <li>exercises</li> <li>on line in ent</li> <li>partial e-leard</li> <li>field work</li> </ul>	<ul> <li>☑ lectures</li> <li>☑ seminars and workshops</li> <li>☑ exercises</li> <li>☑ on line in entirety</li> <li>☑ partial e-learning</li> <li>☑ field work</li> <li>☐ independe</li> <li>☐ multimedi</li> <li>☐ laboratory</li> <li>☐ work with</li> <li>☐ (ot</li> </ul>					
Student responsibilities	According to Stu	udy Regul	ations				
Screening student work (name the proportion of FCTS	Class attendance Experimental		Research		Practical traini	ng	
credits for each activity so that the	work Essav		Seminar		(Other)		
total number of ECTS credits is	Tests     Oral exam			(Other)			
equal to the ECTS value of the course)	Nritten exam Project				(Other)		
Grading and evaluating student work in class and at the final exam	Written and ora	Written and oral exam					
		Т	itle		Number of copies in the library	Availability via other media	
Required literature	Clinical Periodo Volumes, Jan Karring, 5th Edi	ontology Lindhe, 1 tion, 2008	and Implan Niklaus P.	t Dentistry, 2 Lang, Thorkild			
Required literature (available in the library and via other media)	Clinical Periodo Volumes, Jan Karring, 5th Edir Color Atlas Periodontology <u>M. Rateitschak</u> Edition, 2004	Lindhe, M Lindhe, M tion, 2008 Soof Hardcove <u>K-Pluss</u> , <u>K</u>	and Implan Niklaus P. Dental r, <u>Herbert</u> laus H. Ra	t Dentistry, 2 Lang, Thorkild Medicine: <u>F. Wolf</u> , <u>Edith</u> teitschak, 3th			
Required literature (available in the library and via other media)	Clinical Periodo Volumes, Jan Karring, 5th Edir Color Atlas Periodontology <u>M. Rateitschak</u> Edition, 2004 Carranzas Clini Newman, Ferm Edition, 2002	Lindhe, M Lindhe, M tion, 2008 s of Hardcove <u>c-Pluss</u> , <u>K</u> ical Peric hin A. Ca	and Implan Niklaus P. Dental r, <u>Herbert</u> laus H. Ra odontology arranza, Her	t Dentistry, 2 Lang, Thorkild Medicine: <u>F. Wolf, Edith</u> teitschak, 3th , Michael G. nry Takei, 9th			
Required literature (available in the library and via other media) Optional literature (at the time of submission of study programme proposal)	Clinical Periodo Volumes, Jan Karring, 5th Edi Color Atlas Periodontology <u>M. Rateitschak</u> Edition, 2004 Carranzas Clini Newman, Ferm Edition, 2002 1. Atlas of Cosm 2. Antibiotics/A	Entology Lindhe, M tion, 2008 of Hardcove <u>Aardcove</u> Hardcove <u>Aardcove</u> Hardcove Hardcove Cove Hardco	and Implan Niklaus P. Dental r, <u>Herbert</u> laus H. Ra odontology nrranza, Her Reconstructivial Use in De	t Dentistry, 2 Lang, Thorkild Medicine: <u>F. Wolf, Edith</u> <u>teitschak</u> , 3th , Michael G. nry Takei, 9th ve Periodontal ntal Practice, 2	Surgery Misch	Cohen, 2004 n/Winkelhoff	
Required literature (available in the library and via other media) Optional literature (at the time of submission of study programme proposal) Quality assurance methods that ensure the acquisition of exit competences	Clinical Periodo Volumes, Jan Karring, 5th Edi Color Atlas Periodontology <u>M. Rateitschak</u> Edition, 2004 Carranzas Clini Newman, Ferm Edition, 2002 1. Atlas of Cosm 2. Antibiotics/A • Teaching qu • Exam passi • Committee	antology Lindhe, M tion, 2008 of Hardcove C-Pluss, K ical Peric nin A. Ca netic and F ntimicrobi uality analy ng rate an for control aluation	and Implan Niklaus P. Dental r, <u>Herbert</u> laus H. Ra odontology mranza, Her Reconstructiviial Use in De ysis by stude nalysis of teaching	t Dentistry, 2 Lang, Thorkild Medicine: <u>F. Wolf, Edith</u> <u>teitschak</u> , 3th , Michael G. nry Takei, 9th ve Periodontal ntal Practice, 2 ents and teache reports	Surgery Misch 	Cohen, 2004 n/Winkelhoff	

NAME OF THE COU	RSE	Periodontology 3					
Code			Year of study	6th			
Course teacher	Profess DMD, F	or Andrija Bošnjak, PhD	Credits (ECTS)	2	2		
Associate teachers	Marija Katica I	Nosić, DMD; Parat, DMD, MSc;	Type of instruction (number of hours)	L 0	S 0	E 50	Т 50
Status of the course	Mandat	landatory Percentage of 0% application of e-learning					
		COURSE	DESCRIPTION	ļ			
Course enrolment requirements and entry competences required for the course	Not app	blicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	• • • •	to implement princip during practical work to motivate patients to set diagnosis and of and chronic periodom to participate in dete possible outcomes of to remove soft and he to remove subginging instruments under the to immobilize mova supervision of faculty	ples of periodontal disea and instruct them for imp describe of most common atitis) rmination of therapeutic periodontal therapy in in ard plaque with ultrasonic val plaque and calculus e supervision of faculty able teeth with custom	roving perio measu dividu c instru with shape	erapy a their hy dontal c ures and al patier uments ultraso ed splir	nd prev vgienic h liseases in asses nts nic and its unde	ention abits (acute sment hand er the
Course content broken down in detail by weekly class schedule (syllabus)	The co Theore semina Thema - - - - - - - - - - - - - - - - - - -	burse is applicable to tical teaching is accors in order to train stu tic sections of the cour Anatomy of periodom Dental plaque and ta Microbiology of perio Classification, Epidem by plaque and the ch Consequences of ging Instruments and the Initial therapy and re- Agents for chemical p Antibiotics in the trea Periodontal disease a Endodontics and peri Orthodontics and peri Regenerative therapy Bone resective surger	o periodontal theoretica ompanied by preclinical dents for independent wo rse are: tal tissues rtar odontal disease niology and Diagnosis of p anges are not caused by p gival and periodontal disea principles of scaling and ro call olaque control atment of periodontal dise s a risk or consequences of odontology riodontology / ry c surgery	I and and ork. eriodo olaque ases oot pla ease of gene	practica clinical ontal disc onning eral heal	al know exercise eases ca	vledge. es and

Format of instruction	□ lectures       □ independent         □ seminars and workshops       □ multimediat         □ exercises       □ laboratory         □ on line in entirety       □ work with n         □ partial e-learning       □ (oth         □ field work       □			t assignments lentor er)		
Student responsibilities	According to Study	Regulations				
Screening student work (name the proportion of ECTS	Class attendance Experimental work			Practical trainin	ng	
credits for each activity so that the total number of	Essay	Essay Seminar essay		(Other)		
ECTS credits is	Tests	Oral exam		(Other)		
value of the course)	Written exam Project			(Other)		
Grading and evaluating student work in class and at the final exam	Written and oral ex	Vritten and oral exam				
		Title		Number of copies in the library	Availability via other media	
Required literature	Clinical Periodont Volumes, Jan Lin Karring, 5th Editior	ology and Implan dhe, Niklaus P. n, 2008	t Dentistry, 2 Lang, Thorkild			
(available in the library and via other media)	Color Atlas Periodontology Ha <u>M. Rateitschak-Pl</u> Edition, 2004	of Dental rdcover, <u>Herbert</u> <u>uss</u> , <u>Klaus H. Ra</u>				
	Carranzas Clinical Newman, Fermin Edition, 2002	A. Carranza, Hei	, Michael G. hry Takei, 9th			
Optional literature (at the time of submission of study programme proposal)	<ol> <li>Atlas of Cosmeti</li> <li>Antibiotics/Antir</li> </ol>	<ol> <li>Atlas of Cosmetic and Reconstructive Periodontal Surgery Misch Cohen, 2004</li> <li>Antibiotics/Antimicrobial Use in Dental Practice, 2<sup>nd</sup> ed, Newman/Winkelhoff</li> </ol>				
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching qualit</li> <li>Exam passing</li> <li>Committee for</li> <li>External evaluation</li> </ul>	ty analysis by stude rate analysis control of teaching ation	ents and teache reports	Prs		
Other (as the proposer wishes to add)						

NAME OF THE COU	RSE	Surgery			
Code			Year of study	4th	

Course teacher	Prof. Nikica Družijanić, MD, PhD	Credits (ECTS)	4			
	Prof. Zdravko Perko, MD,		L	S	Е	Т
Associate teachers	PhD; Prof. Nenad Ilić, MD, PhD; Prof. Vladimir Boschi, MD, PhD; Prof. Leo Grandić, MD, PhD; Assist. Prof. Ivo Jurić, MD, PhD; Assist. Prof. Zenon Pogorelić, MD, PhD; Assist. Prof. Arsen Pavić, MD, PhD; Bruno Lukšić, MD, PhD; Davor Todorić, MD, PhD; Joško Juričić, MD, PhD;	Type of instruction (number of hours)	20	20	20	60
Status of the course	Mandatory	Percentage of	0%			
	COURSE	DESCRIPTION	ļ			
Course enrolment requirements and entry competences required for the course	Not applicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to differentiate clin as well as effectiver</li> <li>to describe advanta comparison to nons</li> <li>to estimate whethe treatment of freque</li> <li>to explain the princ</li> <li>to explain the basic</li> <li>to describe treatme principles of antisep</li> <li>to describe method bandaging, frostbite</li> <li>to differ various bar surgical instruments</li> <li>to stop bleeding in a</li> </ul>	ical cases of the most conness of surgical therapy ages and disadvantages surgical therapy or there are contraindicated ently occuring illnesses in iples of emergency inter principles of traumatol ent protocols for minor posis and asepsis and asepsis and their post-surgicated indage materials, stitchings oral cavity the injuries and tumour	of sur ations in the rventi ogy wound rauma I exter ng ma	for den domain domain ons in s ds accon and bu nded tro terials,	erapy ir tal mec of surg urgery rding to urn eatmen and clas	ases, lical gery the t ssical
Course content broken down in detail by weekly class schedule (syllabus)	The class teaching program h doctors of dental medicine ar general and specialized surge diagnosis, providing basic sur the course contents are as fol Asepsis, aseptic work in a der	as been designed to fit the nd it introduces them with ry, especially with acute s gery aid and methods of s llowing: ntal practice office and in a	e need o the so surgica surgica operat	ls of the elected I disease I treatm ing roor	future chapters es, their ent. Son n, the	of ne of

	function of the specific inflamm anaerobic infect drainage, burns Blast syndrome surgery, cranioo thyroid gland, s injury of the dia small intestine and spleen, per uropathy, tumo basics of immol system, the print thrombosis, the	Decific inflammation, cellulitis, phlegmonas, osteomyelitis, specific inflammation, naerobic infections, wounds, primary treatment of wounds, wound healing, rainage, burns and frostbites , chemical, electrical and radiation injury, Crush and last syndrome, shock, multiorgan failure, the basics of oncology, transplantation urgery, craniocerebral injury, the basics of neck surgery, surgical diseases of the nyroid gland, surgical diseases and injuries of the chest, lungs and mediastinum, njury of the diaphragm, the basics of abdominal surgery, surgery of the stomach, mall intestine surgery, colon surgery, surgery of the gallbladder, liver, pancreas nd spleen, peritonitis, hernia, basics of urology, nephrolithiasis, obstructive ropathy, tumors of the genitourinary system, injuries of the locomotor apparatus, asics of immobilisation with transport and treatment, injuries of the vascular ystem, the principles of hemostasis with transport and treatment , venous hrombosis, the basics of angiosurgery.									
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars an</li> <li>☑ exercises</li> <li>□ on line in ent</li> <li>□ partial e-lear</li> <li>□ field work</li> </ul>	d worksh tirety ming	ops	independer multimedia laboratory work with m (othe	it assignments ientor er)						
Student responsibilities	According to St	cording to Study Regulations									
Screening student work (name the proportion of ECTS	Class attendance Experimental		Research Report		Practical traini (Other)	ng					
credits for each activity so that the	Essay		Seminar essay		(Other)						
ECTS credits is	Tests		Oral exam		(Other)						
value of the course)	Written exam		Project		(Other)						
Grading and evaluating student work in class and at the final exam	Written exam,	oral exam	1								
Required literature			<b>Fitle</b>		Number of copies in the library	Ava ot	ailability via her media				
(available in the library and via other media)	Šoša T. et al: Ki 2007.	rurgija, M	ledicinska na	klada, Zagreb –							
Optional literature (at the time of submission of study programme proposal)	Prpić I. et al: Ki	rurgija za	medicinare.	Školska knjiga,	I Zagreb, 2002.	<u> </u>					
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching q</li> <li>Exam pass</li> <li>Committee</li> <li>External ev</li> </ul>	uality ana ing rate a for contro aluation	lysis by stude nalysis I of teaching	ents and teache reports	ers						

NAME OF THE COU	RSE Psyc	hiatry							
Code			Year o	study	4th				
Course teacher	Prof. Goran I	odig, MD,	PhD Credits	(ECTS)	1				
Associate teachers	assist. prof. 7 MD, PhD; Assist. prof. 7 MD, PhD;	rpimir Glav Boran Ugleš	ina, Type o ić, (numb	f instruction er of hours)	L 10	S 5	E 10	T 25	
Status of the course	Mandatory		Percer applica	tage of tion of e-learnir	0%	<u> </u>			
	L	COUF	SE DESCRI	PTION	<u> </u>				
Course enrolment requirements and entry competences required for the course	Not applicab	Э.							
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to re</li> <li>to cl</li> <li>to di</li> <li>to e:</li> <li>to e:</li> </ul>	<ul> <li>to classify psychiatric illnesses and disorders</li> <li>to describe emergency situations with respect to psychiatric patien</li> <li>to explain basic diagnostic methods used in psychiatry</li> <li>to explain treatment methods for psychiatric illnesses and disorder</li> </ul>							
Course content broken down in detail by weekly class schedule (syllabus)	Introduction syndromes i possibilities (drugs, alcol mental illnes Following to disorders of Schizophreni	ntroduction to the basic principles of psychiatric therapy; Signs, symptoms and yndromes in general psychopathology; Classification of psychiatric illnesses and possibilities of their treatment; Side effects of therapeutic procedures; Addictions drugs, alcohol, medicaments); Mental health education and stigmatization of nental illnesses.							
Format of instruction	<ul> <li>➢ lectures</li> <li>➢ seminars</li> <li>➢ exercises</li> <li>□ on line in</li> <li>□ partial e-le</li> <li>□ field work</li> </ul>	and worksh entirety arning	ops	<ul> <li>independent assignments</li> <li>multimedia</li> <li>laboratory</li> <li>work with mentor</li> <li>(other)</li> </ul>					
Student responsibilities	According to	Study Regu	ulations						
Screening student work (name the	Class attendance		Research		Practical	l training			

proportion of ECTS credits for each	Experimental work		Report		(Other)				
activity so that the total number of	Essay		Seminar essay		(Other)				
ECTS credits is equal to the ECTS	Tests		Oral exam		(Other)				
value of the course)	Written exam		Project		(Other)				
Grading and evaluating student work in class and at the final exam	Oral exam, prac	ctical exa	n						
		Number of copies in the library	Av: of	ailability via ther media					
Required literature (available in the	Hotujac Lj. i sur 2005.	.: Psihijat	rija, Medicinsk	a naklada,					
media)	Muačević V. i su naklada; 1995.								
Optional literature (at the time of submission of study programme proposal)	Kaplan H.I., Sac Jastrebarsko, 1	lock B.J. F 998.	Priručnik klinič	<e psihijatrije,<="" td=""><td>Naklada Slap,</td><td><u>ı</u></td><td></td></e>	Naklada Slap,	<u>ı</u>			
Quality assurance methods that ensure the acquisition of exit competences Other (as the	<ul> <li>Teaching q</li> <li>Exam pass</li> <li>Committee</li> <li>External ev</li> </ul>	Teaching quality analysis by students and teachers Exam passing rate analysis Committee for control of teaching reports External evaluation							
proposer wishes to add)									

NAME OF THE COU	IRSE	Neurology							
Code			Year of study	4th					
Course teacher	prof. Iv	o Lušić, MD, PhD	Credits (ECTS)	1					
	prof. V	eselin Vrebalov-		L	s	E	Т		
Associate teachers	Cindro prof. M assist. MD, Ph assist. Džamo assist. PhD;	, MD, PhD; Iarina Titlić, MD, PhD; prof. Meri Matijaca, hD; prof. Gordan nja, MD, PhD; prof. Ivica Bilić, MD,	Type of instruction (number of hours)	10	5	10	25		
Status of the course	Manda	tory	Percentage of 0% application of e-learning						
		COURSE	DESCRIPTION						
Course enrolment	Not ap	olicable.							

requirements and entry competences required for the course											
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to reconcurrent</li> <li>to adect</li> <li>to valut</li> <li>to produce</li> <li>to more</li> </ul>	ognize o ogical dis quately p le the im pose sp ers nitor effe	clinical signs eases and sy erform neur portance of ecific neurc ectiveness of	and sympton ndromes ological examin differential di plogical thera	oms of the nation agnosis py for variou peutic metho	mos us n ods	st common neurological				
	<ul><li>to anal</li><li>to des</li></ul>	lyze outc cribe siti	comes of the uations requ	e treatment iiring urgent n	eurological in	terv	vention				
Course content broken down in detail by weekly class schedule (syllabus)	Review of neur practice of dem neurological dis cerebrovascula epilepsy in dem their important Significance of dentistry. The a on clinical treat the dental prac dental-medical craniofacial neu Dental aspects factor for cereb cavity health.	view of neurological disorders - diagnostic and therapeutic problems in the actice of dental medicine. How can dentist identify the symptoms and signs of urological disease? Diagnosis of neurological disorders. The importance of rebrovascular diseases in dental medicine. Disorders of consciousness and ilepsy in dental practice. Movement disorders and extrapyramidal diseases and eir importance in dentistry. Dental-medical aspects of demyelinating disease. Inificance of tumor, trauma and inflammation of the central nervous system in ntistry. The aspects and influence of neurodegenerative diseases and dementia clinical treatment in dentistry. Neuromuscular diseases and their importance in e dental practice. The importance of the peripheral nervous system diseases in ntal-medical practice. Pathophysiology and treatment of pain. Headaches and aniofacial neuralgia. Swallowing disorders (bulbar and pseudobulbar palsy). ental aspects of brain nerve disorders. Odontogenic infection as a possible risk ctor for cerebrovascular disease. Effects of neurological diseases on the oral wity health.									
Format of instruction	<ul> <li>lectures</li> <li>seminars an</li> <li>exercises</li> <li>on line in ent</li> <li>partial e-lear</li> <li>field work</li> </ul>	d worksh tirety ning	ops	<ul> <li>independen</li> <li>multimedia</li> <li>laboratory</li> <li>work with m</li> <li>(othe</li> </ul>	ndent assignments edia ory th mentor (other)						
Student responsibilities	According to St	udy Regu	Ilations								
Screening student work (name the proportion of ECTS	Class attendance Experimental		Research		Practical traini	ng					
credits for each activity so that the	work Essay		Seminar		(Other)						
total number of ECTS credits is	Tests		Oral exam		(Other)						
value of the course)	Written exam		Project		(Other)						
Grading and evaluating student work in class and at the final exam	Written exam										
Required literature (available in the library and via other			<b>Fitle</b>		Number of copies in the library	Ava of	ailability via ther media				

media)	Demarin Vida, Trkanjec Zlatko: Neurologija za stomatologe. Medicinska naklada, Zagreb, 2008.		
Optional literature (at the time of submission of study programme proposal)	Brinar Vesna i suradnici: Neurologija za medicinare. N 2009.	Лedicinska nal	klada, Zagreb,
Quality assurance methods that ensure the acquisition of exit competences Other (as the proposer wishes to add)	<ul> <li>Teaching quality analysis by students and teache</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>	rs	

NAME OF THE COU	RSE	Maxillofacial surgery	/				
Code			Year of study	5th			
Course teacher	Prof. N Ratkovi	aranđa Aljinović- ić, MD, PhD	Credits (ECTS)	2			
Associate teachers	Njegos Lupi-Fe	av Bušić, MD; Slaven randin, MD;	Type of instruction (number of hours)	L 15	S 0	E 30	Т 35
Status of the course	Mandat	tory	Percentage of application of e-learning	0%			
		COURSE [	DESCRIPTION				
Course enrolment requirements and entry competences required for the course	Not app	blicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	•	to explain the pripersons with maxill to recognize facial of to describe and lis plastic surgery appl to recognize and inflammatory proce to recommend app referral to maxillofa	inciples of setting dia ofacial injuries deformities and malforn t of most common rec ied for injury treatment discern prepoznati esses in the maxillofacia propriate diagnostic tes acial surgical treatment	gnosis nation constru variou l regic ts for	and t s uctive t s neop on a patie	echniqu blasms nt befo	nt of ues in from re his
Course content	Introdu	iction to maxillofacial	surgery with respect to de	ental m	edicine	since te	eth

broken down in detail by weekly class schedule (syllabus)	are integral part of the Jaw. The students will be informed about facial deformities and orthognathic surgery (cooperation of maxillofacial surgeons and orthodontists). Introduction to the most common types of facial traumas and modern surgical techniques for the management of viscerocranial fractures. Students need to master the clinical procedures for detailed examination of various facial and neck anomalies and deformities. Etiology, epidemiology and treatment of tumors in the head, neck, oral cavity, paranasal sinuses and salivary glands will be presented. Diagnosis and therapy of skin tumors and current knowledge on reconstructive approaches in contemporary plastic surgery will also be discussed.									
Format of instruction	<ul> <li>☑ lectures</li> <li>□ seminars and</li> <li>☑ exercises</li> <li>□ on line in en</li> <li>□ partial e-lear</li> <li>□ field work</li> </ul>	l worksho tirety ning	ps	<ul> <li>independen</li> <li>multimedia</li> <li>laboratory</li> <li>work with m</li> <li>(other</li> </ul>	nt assignments a mentor ner)					
Student responsibilities	According to St	udy Regu	lations							
Screening student work (name the proportion of ECTS credits for each	Class attendance Experimental work		Research Report		Practical traini (Other)	ng				
activity so that the total number of ECTS credits is	Essay		Seminar essay		(Other)					
	Tests		Oral exam		(Other)					
value of the course)	Written exam		Project		(Other)					
Grading and evaluating student work in class and at the final exam	Written exam,	Written exam, oral exam								
Required literature		٦	<b>Fitle</b>		Number of copies in the library	Av o	ailability via ther media			
(available in the	Maksilofacijaln	a kirurgija Zograh 10	n, M. Bagatin	, M. Virag i						
media)	sur., sk. knjiga,	Zagreb, 1	991.							
Optional literature (at the time of submission of study programme proposal)						1				
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching q</li> <li>Exam pass</li> <li>Committee</li> <li>External ev</li> </ul>	uality ana ing rate a for contro aluation	lysis by stude nalysis I of teaching	ents and teache reports	ers					
Other (as the proposer wishes to add)										

NAME OF THE COU	RSE	Geriatric dentistry								
Code			Year of	study	5th					
Course teacher	prof. D Lukend	olores Biočina la, DMD, PhD	Credits	(ECTS)	1					
Associate teachers	assist.p DMD, F Katica I assist.p Ognjen PhD; Jozo Ba	prof. Ivan Kovačić, PhD; Parat, DMD, MSc; prof. Marina pović Mirošević, DMD, adrov, DMD, MSc;	Type of (numbe	instruction of hours)	L 15	S 0	Е 0	T 15		
Status of the course	Manda	tory	Percentage of 0% application of e-learning							
		COURSE D	DESCRI	PTION						
Course enrolment requirements and entry competences required for the course	Not app	blicable.								
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to describe and compare physiology and medical aspects of aging with overall health of elderly people</li> <li>to describe similarities and differences of diagnostic and therapeut procedures in dental healthcare for old people and those people in neer for constant care</li> <li>to compare possibilities of providing dental heathcare for patients in homes for the elderly and nursing centers</li> <li>to compare possibilities for proper treatment of physically and mental handicapped elderly people</li> <li>to assess the importance of colaboration between medical doctors ar dental professionals in improvement of dental healthcare for agir possibilities</li> </ul>							g with peutic n need ents in entally rs and aging		
Course content broken down in detail by weekly class schedule (syllabus)	Physiol aspects epidem popula tissues approa knowle prostho dental psychia	population Physiology of aging from molecular to systemic (whole organism) level. Medical aspects of aging; health of the elderly population; Basics of etiology and epidemiological distribution of the most common diseases occuring in aging population. Introduction to the changes and diseases of both hard and soft oral tissues of elderly people and practical account on the specific features of clinical approach, diagnosis, treatment plan and therapy for the elderly patients. Gaining knowledge of the possibilities and peculiarities of oral and maxillofacial surgery, prosthodontics, oral medicine, periodontics, dental implantology, endodontics and dental pathology seen in elderly people with emphasis on pharmacological,								
Format of instruction	<ul> <li>☑ lectu</li> <li>□ semi</li> <li>□ exero</li> <li>□ on li</li> <li>□ parti</li> <li>□ field</li> </ul>	ures nars and workshops cises ine in entirety ial e-learning work	<ul> <li>independent assignments</li> <li>multimedia</li> <li>laboratory</li> <li>work with mentor</li> <li>(other)</li> </ul>							
responsibilities	Accord	ing to Study Regulation	าร							

Screening student	Class attendance	Research	Practical trainir	ng				
proportion of ECTS credits for each	Experimental work	Report	(Other)					
activity so that the total number of	Essay	Seminar essay	(Other)					
ECTS credits is	Tests	Oral exam	(Other)					
value of the course)	Written exam	Project	(Other)					
Grading and evaluating student work in class and at the final exam	Written exam							
		Title	Number of copies in the library	Availability via other media				
Required literature	Ćatović A. Odab	rana poglavlja iz						
(available in the library and via other	gerontostomato	ologije. Stomatološki fakultet						
media)	Sveučilišta u Zagrebu, Zagreb, 2004.							
Optional literatura			de altre de la com					
(at the time of submission of study programme proposal)	Copenhagen 19	P, LOE H Textbook of geriatric 186.	dentistry. Munksgaa	ard,				
Quality assurance	Teaching qu	ality analysis by students and t	eachers					
methods that ensure the	<ul> <li>Exam passi</li> </ul>	ng rate analysis						
acquisition of exit competences	<ul> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>							
Other (as the proposer wishes to add)								

NAME OF THE COU	IRSE	Implar	ntology							
Code				Year of study	5th					
Course teacher	Profess DMD, F	sor Andr PhD	ija Bošnjak,	Credits (ECTS)	2	2				
	Marija	Nosić, D	MD;		L	s	Е	Т		
Associate teachers Jozo I Juraj B		Badrov, DMD, MSc; rozović, DMD;		Type of instruction (number of hours)	15	10	15	40		
Status of the course	Manda	tory		Percentage of application of e-learning	0%					
	-		COURSE I	DESCRIPTION						
Course enrolment requirements and	Not ap	plicable.								

entry competences required for the course						
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to explain the main principles of osseointegration of dental implants</li> <li>to explain main features of oral mucosa surrounding dental implant</li> <li>to list indications for treating partially edentulous and completely edentulous patients by using dental implants</li> <li>to describe the clinical process and duration of therapy with dental implants</li> <li>to list and describe components of various dental implant systems, as well as the types of superstructures mounted on dental implants</li> </ul>					
Course content broken down in detail by weekly class schedule (syllabus)	Classes are based on lectures and educational films. Students are introduced to the experimental model in the studying of implants. Students are taught how to perform clinical and radiological examination of patients and preparation for implantation: prosthetic planning, making a surgical template. They are shown some clinical cases with successful and unsuccessful implant rehabilitation. Students are introduced to all local and general contraindications for the described rehabilitation and the possible intraoperative and postoperative complications lifting the maxillary sinus, bone inlay and onlay.					
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and workshops</li> <li>☑ exercises</li> <li>☑ on line in entirety</li> <li>☑ partial e-learning</li> <li>☑ field work</li> </ul>			<ul> <li>independent</li> <li>multimedia</li> <li>laboratory</li> <li>work with media</li> <li>(othe</li> </ul>	it assignments ientor er)	
Student responsibilities	According to Study Regulations					
Screening student work (name the proportion of ECTS credits for each activity so that the total number of ECTS credits is equal to the ECTS value of the course)	Class attendance Experimental		Research Report		Practical traini	ng
	work Essay		Seminar essav		(Other)	
	Tests		Oral exam		(Other)	
	Written exam		Project		(Other)	
Grading and evaluating student work in class and at the final exam	Written exam					
Required literature (available in the library and via other media)	Title				Number of copies in the library	Availability via other media
	Clinical Periodontology and Implant Dentistry, 2 Volumes, Jan Lindhe, Niklaus P. Lang, Thorkild Karring, 5th Edition, 2008					
	implantologije. Zagreb: Školska kniiga: 2002.					
		<u> </u>				
Optional literature	Practical Impl	ant Dent	istry: Diagno	ostic. Surgical	Restorative a	nd Technical
(at the time of						
submission of study programme proposal)	Aspects of Aesthetic and Functional Harmony Hardcover; Ashok Sethi, Thomas; 1th Edition 2005					
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Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>					
Other (as the proposer wishes to add)						

NAME OF THE COU	RSE	Gynaecology						
Code			Year of	study	5th			
Course teacher	prof. D PhD	eni Karelović, MD,	Credits	(ECTS)	1			
Associate teachers	prof. D assist. J MD, Ph	amir Roje, MD, PhD; orof. Marko Vulić, D;	Type of (numbe	instruction of hours)	L 10	S 0	E 10	Т 20
Status of the course	Manda	tory	Percent applicat	tage of tion of e-learning	0%			
		COURSE [	DESCRIF	PTION				
Course enrolment requirements and entry competences required for the course	Not app	blicable.						
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	• • •	<ul> <li>to describe anatomy definirati and physiology of fema reproductive system</li> <li>to perform taking of gynecological medical history to determi clinical status of patient under supervision of faculty</li> <li>to describe principles of prenatal care, delivery and postnatal care</li> <li>to describe and explain epidemiology, diagnostic procedures, clinic treatment and prevention of female reproductive organs diseases</li> <li>to list and explain principles of preservation of female reproductive health</li> </ul>					emale rmine are linical ses uctive	
Course content broken down in detail by weekly class schedule (syllabus)	Genera gyneco and chi	al gynecological proble logical oncology and u ldbirth, neonatology.	ems, gyn Irogynec	ecological endocr ology. Physiology	inolog and pa	y and re athology	product of preg	ion, ;nancy
Format of instruction	<ul> <li>□ lectu</li> <li>□ semi</li> <li>□ exeru</li> <li>□ on li</li> <li>□ parti</li> <li>□ field</li> </ul>	ures nars and workshops cises <i>ne</i> in entirety al e-learning work		<ul> <li>independent a</li> <li>multimedia</li> <li>laboratory</li> <li>work with mer</li> <li>(other)</li> </ul>	nssignr ntor	nents		
Student responsibilities	Accord	ing to Study Regulation	n					

Screening student	Class attendance		Research		Practical traini	ng	
proportion of ECTS credits for each	Experimental work		Report		(Other)		
activity so that the total number of	Essay		Seminar essay		(Other)		
ECTS credits is	Tests		Oral exam		(Other)		
value of the course)	Written exam		Project		(Other)		
Grading and evaluating student work in class and at the final exam	Written exam						
		Title				Availability via other media	
Required literature	Kuvačić I. i sur	. Porodn	ištvo. Zagreb	:			
(available in the library and via other	Medicinska na						
media)	Šimunić V. i sur. Ginekologija. Zagreb: Naklada						
	Ljevak; 2001.						
Ontional literature	Kuriak i sur Cir	okologija	i norinatologi	ia Tonimir V	araždinska Tan		
(at the time of submission of study programme proposal)	Kurjak i sur. Gir	lekologija	n permatologi	ja. Tommir. Va	arazuniske rop	iice, 2005.	
Quality assurance	<ul> <li>Teaching question</li> </ul>	uality ana	lysis by studer	nts and teache	ers		
ensure the	<ul> <li>Exam passi</li> <li>Committee</li> </ul>	ing rate a	nalysis of teaching r	enorte			
acquisition of exit competences	<ul> <li>External ev</li> </ul>	aluation		cpons			
Other (as the proposer wishes to add)							

NAME OF THE COURSE Pediatrics							
Code			Year of study	5th			
Course teacher	Prof. Vj PhD	jekoslav Krželj, MD,	Credits (ECTS)	3			
Prof. Marijan Saraga, MD,			L	S	Е	Т	
Associate teachers	Prof. Sr Prof. Vo PhD; Prof. Ju PhD; Prof. Vi Prof. N	rđana Čulić, MD, PhD; eselin Škrabić, MD, Ilije Meštrović, MD, ida Čulić, MD, PhD; even Pavlov, MD,	Type of instruction (number of hours)	30	0	20	50

Status of the course	Assist. Prof. Ivana Unić, MD, PhD; Assist. Prof. Radenka Kuzmanić Šamija, MD, PhD; Assist. Prof. Joško Markić, MD, PhD Mandatory Percentage of application of e-learning							
	[	COURSE	DESCRIP	TION				
requirements and entry competences required for the course	Not applicable.							
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to obta</li> <li>to perf</li> <li>to desc</li> <li>to desc</li> <li>to desc</li> <li>to ider</li> <li>in child</li> </ul>	<ul> <li>to perform the oral examination of a child patient</li> <li>to describe physiology and pathology of the tooth growth</li> <li>to describe nutrition disorders and vitamin deficiency in children</li> <li>to identify the most important infections with impact on oral cavity in children</li> </ul>						
Course content broken down in detail by weekly class schedule (syllabus)	Accidents in ch disorders, acid of the urinary t disorders of Ca child. Medical h part of the nutr procedures. Su illnesses. Cardia treatment and Diabetes insipio Obstipation. Ch and chronic dia Inheritance and development o Bacterial endoo	Accidents in children. Nutrition and nutrition disorders. Fluid and electrolytes disorders, acid base imbalance. Children's propedeutics. Anomalies and infections of the urinary tract. Neonatal diseases. Convulsions and epilepsy. Metabolic disorders of Ca and P. Rickets. Bone disorders. Psychomotor development of the child. Medical history and neurological status. Vitamins and oligoelements as a part of the nutrition. Antibiotic therapy in pediatrics. Fever – impact and procedures. Sudden infant death syndrome. Prevention of the preventable llnesses. Cardiac failure. Cardiopulmonary reanimation. Principles of the intensive reatment and care of the critically sick child. Multiple sclerosis. Diabetes melitus, Diabetes insipidus. Malabsorption syndrome. Red blood cells disorders. Ulcers. Obstipation. Chronic intestinal illnesses (Chron's disease, ulcerative colitis, acute and chronic diarrhea). Coagulation disorders. Solid tumors. Tuberculosis. nheritance and inherited disorders, especially the ones affecting the growth and development of the teeth. Respiratory illnesses, foreign body aspiration. Allergies.						
Format of instruction	☑ lectures       □ independent assignments         □ seminars and workshops       □ independent assignments         □ on line in entirety       □ laboratory         □ partial e-learning       □ (other)							
Student	According to St	udy Regulatio	ns					
Screening student work (name the	Class attendance	Res	search	P	ractical	training		
credits for each	work	Rep	oort		(C	Other)		
activity so that the total number of	Essay	Ser ess	ninar ay		(C	Other)		

ECTS credits is	Tests	Or	ral exam		(Other)	
value of the course)	Written exam	Pr	roject		(Other)	
Grading and evaluating student work in class and at the final exam	Oral exam					
Required literature		Titl	e		Number of copies in the library	Availability via other media
(available in the library and via other	Duško Mardeši 2003.	ć: Pedijatrija				
media)						
Optional literature (at the time of submission of study programme proposal)	1 Nel Phi 2 Fec Zag	son Textbo ladelphia : W lor Raić i su ;reb, 2002.	ook of Pec V.B.Saunder r.: Pedijatri	liatrics (Behr s Company, c iska gastroen	l man, Kliegma op. 2003. terologija, Nak	in, Jenson), ilada Ljevak,
Quality assurance methods that ensure the acquisition of exit competences Other (as the proposer wishes to add)	<ul> <li>Teaching q</li> <li>Exam pass</li> <li>Committee</li> <li>External ev</li> </ul>	uality analys ing rate anal for control of aluation	is by studer lysis f teaching re	ts and teache	ers	

NAME OF THE COU	IRSE	Forensic dentistry					
Code			Year of study	6th			
Course teacher	prof. Ši MD, Ph	mun Anđelinović, D	Credits (ECTS)	2			
	Darko I	Kero, DMD, PhD;		L	S	Е	Т
Associate teachers	MSc Iva MSc Že prof. D Lukend	ana Anterić, PhD; Ijana Drnasin, PhD; olores Biočina- Ia, DMD, PhD;	Type of instruction (number of hours)	15	0	15	30
Status of the course	Manda	tory	Percentage of 0% application of e-learning				
		COURSE [	DESCRIPTION				
Course enrolment requirements and entry competences required for the course	Not app	blicable.					
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to quote definition and principal features of the occurence of death</li> <li>to particularize and describe the signs of postmortal changes on the body</li> <li>to describe procedures for assessment of time of death (exhumation, investigation, body examination, autopsy)</li> </ul>						

	<ul> <li>to desificature</li> <li>to desificature</li> <li>by dom</li> <li>to designarts of</li> <li>to descination</li> </ul>	cribe me s of traur estic viol cribe and f the bod ribe proc ain impo radiograp ribe isola ribe and ribe legal	chanical, asph mas suffered in ence I compare cha y edures and ins ortance and be ohs, etc.) for de tion of DNA an perform analys responsibilitie	ayctic and per in traffic accio aracteristics of truments use enefits of pro- ental identific d DNA analys- sis of human h s and accoun	sychological injurie lents, as wells as t of injuries inflicted d for dental identif oper record keepin ation of human rer sis from dental tissup bite marks tability for dental r	es, common hose caused d on certain fication ng (patient's mains ues		
	Basics of tanat signs of death examination of <u>Health impairm</u> injuries, asphy accidents: suici	the corps n, postme the corps nent due ctic injur	efinition of dea ortal changes; se, autopsy, ex <u>to violence</u> – l ries, psycholog	oth and its fea approximat humation, inv pasics of fore gical damage	atures; apparent d ion of time of c vestigation ensic traumatology e; traumas suffere	eath, agony; leath, initial (mechanical ed in traffic		
Course content broken down in detail by weekly class schedule (syllabus)	<u>Basics of forensic toxicology</u> (poisonous substances, taking samples for toxicology analysis; intoxication with drugs and alcohol Dental identificatio - procedure, preparation, instruments and analysis Basics of medical criminalistics							
	<u>Identification (</u> methods; mass casualties) Forms for dental tissue status data input; keeping records in dental practice							
	Identification in dentistry (DNA analysis of dental tissues; hereditary and acquired features of dental anatomy important for identification of human remains sex and race determination according to dental and craniofacial features; determination of time of death using dental techniques in forensics							
	Medical deonto	ology ilities and	d accountabilit <sup>,</sup>	y for dental p	rofessionals			
Format of instruction	□ lectures       □ independent assignments         □ seminars and workshops       □ independent assignments         □ exercises       □ laboratory         □ partial e-learning       □ (other)							
Student responsibilities	According to St	udy Regu	lations					
Screening student work (name the proportion of ECTS credits for each	Class attendance Experimental work		Research Report		Practical training (Other)			

activity so that the total number of	Essay	Seminar essay		(Other)			
ECTS credits is equal to the ECTS	Tests	Oral exam		(Other)			
value of the course)	Written exam	Project		(Other)			
Grading and evaluating student work in class and at the final exam	Written exam						
		Title		Number of copies in the library	Availability via other media		
Required literature (available in the library and via other media)	Brkić H. i sur Zagreb: Školska	. Forenzična stomatol knjiga, 2000.					
modiay							
Optional literature (at the time of submission of study programme proposal)	Zečević D, Škav	ić J. Osnove sudske med	dicine za pravr	nike. Zagreb: E	3arbat, 1996.		
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching q</li> <li>Exam pass</li> <li>Committee</li> <li>External ev</li> </ul>	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>					
Other (as the proposer wishes to add)							

NAME OF THE COU	IRSE	Public health and ep	idemiology					
Code			Year of study	6th	6th			
Course teacher	Associa Smolja	ite Professor Mladen nović, PhD	Credits (ECTS)	2	2			
	Associa	ate Professor Ozren		L	S	E	Т	
Associate teachers Assistant Profess Kolčić, PhD; Iris J PhD;		k, PhD; nt Professor Ivana PhD; Iris Jerončić,	Type of instruction (number of hours)	25	10	15	50	
Status of the course	Mandat	tory	Percentage of application of e-learning	0%				
	-	COURSE [	DESCRIPTION					
Course enrolment requirements and entry competences required for the course	Not app	olicable.						
Learning outcomes	•	to enlist and describe	basics of health-related res	earch				
expected at the	•	to explain which risk fa	actors affect population hea	aith				

level of the course (4 to 10 learning outcomes)	<ul><li>to describe</li><li>to describe</li><li>to describe</li></ul>	<ul> <li>to describe main determinants of mass-occurring diseases</li> <li>to describe levels of health care</li> <li>to describe basic methods of epidemiological research in public health</li> </ul>					
Course content broken down in detail by weekly class schedule (syllabus)	Principles of hea health needs an Public health of Intervention pro care manageme disease, epidem Professional ass epidemiology of	inciples of health care, health indicators. International classification of diseases, alth needs and demands. Social factors that affect health, disease and disability. blic health of dental care in special population groups – children and elderly. cervention programmes and preventive measure. Planning, organization and health re management. Basics of medical ethics. Basic of epidemiology, natural course of the sease, epidemiological models of communicable and non-communicable diseases. ofessional associations. Data sources. Disease distribution, screening and idemiology of selected examples related to dental medicine.					
Format of instruction	<ul> <li>lectures</li> <li>seminars an</li> <li>exercises</li> <li>on line in ent</li> <li>partial e-lear</li> <li>field work</li> </ul>	lectures       independent assignments         seminars and workshops       multimedia         exercises       laboratory         on line in entirety       work with mentor         partial e-learning       (other)					
Student responsibilities	According to St	ording to Study Regulations					
Screening student work (name the	Class attendance		Research		Practical traini	ng	
proportion of ECTS credits for each	Experimental work		Report		(Other)		
activity so that the total number of	Essay		Seminar essay		(Other)		
ECTS credits is equal to the ECTS	Tests		Oral exam		(Other)		
value of the course)	Written exam		Project		(Other)		
Grading and evaluating student work in class and at the final exam	Written exam						
		٦	<b>Fitle</b>		Number of copies in the library	Ava ot	ailability via her media
Required literature (available in the library and via other	Jonjić A. i sur. 2002.	. Socijaln	a medicina.	/itagraf Rijeka,			
media)	Puntarić D, Rop	ac D. Opd	ća epidemiolo	ogija,			
	Medicinska nak	lada, Zag	reb, 2005.				
Optional literature (at the time of submission of study programme proposal)	Jonjić A. Zašto p	Jonjić A. Zašto piti i pušiti. Tiskara Rijeka, 1993.					
Quality assurance methods that ensure the acquisition of exit competences Other (as the	<ul> <li>Teaching q</li> <li>Exam pass</li> <li>Committee</li> <li>External ev</li> </ul>	uality ana ing rate a for contro aluation	Ilysis by stude nalysis ol of teaching	ents and teache reports	ers		

proposer wishes to	
add)	

NAME OF THE COU	RSE	Organization and ec	onomics of dental health	care				
Code			Year of study	6th				
Course teacher	Profess Lukend	or Dolores Biočina- a, DMD, PhD	Credits (ECTS)	2				
Associate teachers	Neven	Vidović, DMD, PhD;	Type of instruction (number of hours)	L 10	S 10	E 5	T 30	
Status of the course	Manda	tory	Percentage of application of e-learning	0%	10	Ū	00	
		COURSE I	DESCRIPTION	•				
Course enrolment requirements and entry competences required for the course	Not app	ot applicable.						
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	• • •	<ul> <li>to analyze the multidisciplinary approach to health in terms of professional medical knowledge and skills required for leading and managing the health system</li> <li>to list the main institutions of the dental health care system in Croatia</li> <li>to describe and examine the processes of planning, operation and management in health care</li> <li>to describe and examine the processes of planning, operation and management in health care</li> <li>to specify and describe management skills</li> <li>to describe the manner and the possibilities of applying management and the possibilities of applying management</li> </ul>						
Course content broken down in detail by weekly class schedule (syllabus)	In rece econor profess manag with th effectiv process comple patient Therefo possess new kr purpos ways c applica Further	ent years in our society nic and market condit sionals) and patient de ement "as the process em, in order to achiev ve use of limited reson s must start from the ete satisfaction. That p to r in a broader ser ore, a student is exp ses also education for howledge and accept to e of this course is to of health systems / su ble in everyday pro- rmore, the goal is to sh ased on real experience	v is becoming clear that he tions; supply (knowledge emand (customer service) as of getting things done e organizational goals in a urces" can be used for the e needs of the "custom principle can be used in ase - a doctor - the hea bected that along aside the leadership and mana- the benefits of new techn familiarize and train stud- ubsystems as well as the fessional work but also now students the practica ces and the current situat	ealthca and so There throu a dyname he heal ers" a the st d of t basic agemen hologic dents, basic in m l applic tion in	are is ass ervices of efore, the ord other mic envi- lth care and finis rict sens the heal skills an ot, the a cal deve on the s of ma anagem cation of the heal	sociated of the m e definit er people ronmen system. h up to se - phy th instit nd knov ability to lopment administ nagerial ent act f manage	to the nedical tion of e, and t, with Every o their sician- tution. vledge apply cs. The trative skills, ivities. ement or due	

	to the peculiari	ity of our	community.					
	Topics to be covered are: health financing, health legislation, differences in the functioning management of various medical institutions, management of health systems subsystems, application implementation quality control in healthcare. Students will obtain the basic knowledge of managerial vještinama-communication, application of innovation, the introduction of changes, motivation self-awareness.							
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars an</li> <li>☑ exercises</li> <li>□ on line in en</li> <li>□ partial e-lear</li> <li>□ field work</li> </ul>	<ul> <li>✓ lectures</li> <li>✓ seminars and workshops</li> <li>✓ exercises</li> <li>✓ on line in entirety</li> <li>✓ partial e-learning</li> <li>✓ field work</li> <li>✓ independent assignments</li> <li>□ multimedia</li> <li>□ laboratory</li> <li>□ work with mentor</li> <li>□ (other)</li> </ul>						
Student responsibilities	According to St	udy Regu	Ilations					
Screening student work (name the proportion of ECTS	Class attendance Experimental		Research Report		Practical trainir	ng		
credits for each activity so that the total number of ECTS credits is equal to the ECTS	work Essay		' Seminar essay		(Other)			
	Tests		Oral exam	(Othe				
value of the course)	Written exam		Project		(Other)			
Grading and evaluating student work in class and at the final exam	Written exam							
		Number of copies in the library	Availabilit other me	ty via edia				
Required literature	Betty L F. Pra	actice ma	anagement	or the dental				
library and via other media)	Heller R. Priru International; 2	učnik za 2003.	menadžere.	Zagreb: Profil				
	Srića V. Inventi Znanje; 2003.	vni menao	džer u 100 le	kcija. Zagreb:				
Optional literature	1 Hooper A	Dottor    r	telligent lea	Jershin London	: Random Hou	se: 2001		
(at the time of submission of study programme proposal)	<ol> <li>Heller R, H 1999.</li> <li>Heller R, Hin</li> </ol>	indle T. I	Essential ma	nager's manual	l, London: Doi on: Dorling Kin	dersley 200	rsley. 03.	
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching q</li> <li>Exam pass</li> <li>Committee</li> <li>External ev</li> </ul>	uality ana ing rate a for contro aluation	Iysis by stude nalysis I of teaching	ents and teache reports	rs			
Other (as the proposer wishes to		_						

NAME OF THE COU	RSE	Clinical dentistry	Clinical dentistry					
Code			Year of study	ar of study 6th				
Course teacher	Profess Lukend	or Dolores Biočina- a, DMD, PhD	Credits (ECTS)	16				
	Antonij Ivana N	a Tadin, DMD, PhD; Jedvedec Mikić		L	S	E	Т	
Associate teachers	DMD, PhD; Dario Repić, DMD, PhD; Slavica Pejda, DMD, PhD; Danijela Kalibović Govorko, DMD, PhD; Livia Cigić, DMD, PhD; Darko Kero, DMD, PhD; Marija Nosić, DMD, MSc; Tea Galić, DMD;		Type of instruction (number of hours)	0	0	0	250	
Status of the course	Manda	tory	Percentage of	0%				
	<u> </u>	COURSE	DESCRIPTION	<u> </u>				
Course enrolment requirements and entry competences required for the course Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	Not app	to comprehend spe well as to perceive t its impact on workin to discern differenc specialized dental p medicine to recognize feature practice to demonstrate app age and different w to perform clinical o to describe the met	cific roles of profession the organization of den ng conditions and perfo res between general den practices within particula es of dental healthcare propriate bearing towar valks of life decision making under t shods of record keeping	al in d tal off rmano ntal pr ar disc within ds pat the sup in orc	ental m ice with ce cactice a ciplines genera cients o pervisio ler to ru	nedicine n respect and of dent al denta f differe on of fac un effici	e, as ct to al l ent culty ent	
Course content broken down in detail by weekly class schedule (syllabus)	Clinical The cha out and with co underg mentor Charac financin health consult	Dental Medicine: aracteristics of dental h d organized as teamwo impleted undergradua raduate and graduate to the student); teristics of clinical dent ng and operation of cli problems in clinical de ants, the referral to sp	health services at the prin ork involving at least one of te and graduate universit university study of dental tal medicime, its working nical dental medicine in E ntistry; Medical documen pecialists; Specific charact	nary le dental y study l medic tasks, urope; itation eristics	vel, whi health c / or inte cine (wh organiza ; Charac . Coopel ; of clinio	ch is car are wor grated ich is als ation, teristics ration w cal proce	ried ker so a of ith edures	

	in dental medicine; Optimal space for clinics in dental medicine according to statutory regulations; professional organization of work; making appointments and receiving patients; Teamwork in community dental medicine; Management of dental offices as business units. Administrative and legal obligations. Health education and preventive measures activities.						
Format of instruction	<ul> <li>□lectures</li> <li>□ seminars and <sup>1</sup></li> <li>⊠ exercises</li> <li>□ on line in entin</li> <li>□ partial e-learn</li> <li>□ field work</li> </ul>	workshops rety ing	it assignments nentor er)				
Student responsibilities	According to Stu	dy Regulations					
Screening student work (name the	Class attendance Experimental	Research		Practical traini	ng		
credits for each	work	Report		(Other)			
activity so that the total number of	Essay	essay		(Other)			
ECTS credits is equal to the ECTS	Tests	Oral exam		(Other)			
value of the course)	Written exam	Project		(Other)			
Grading and evaluating student work in class and at the final exam	Written exam, o	Nritten exam, oral exam, practical exam					
		Title		Number of copies in the library	Availability via other media		
	Koch G, Poulse pristup, Naklad	<b>Title</b> n S. Pedodoncija a Slap, Jastrebars	· klinički ko, 2005.	Number of copies in the library	Availability via other media		
	Koch G, Poulser pristup, Naklad Anderson M.H. R.J. Profesional & Wilkins	<b>Title</b> n S. Pedodoncija a Slap, Jastrebars , Bratthall D., Einv prevention in dei	· klinički ko, 2005. vag J., Elderton htistry, Wiliams	Number of copies in the library	Availability via other media		
Required literature (available in the library and via other	Koch G, Poulser pristup, Naklad Anderson M.H. R.J. Profesional & Wilkins Kidd E.A.M., Jo Dental Caries. (	Title n S. Pedodoncija a Slap, Jastrebars , Bratthall D., Einv prevention in der yston-Bechal S. Es Dxford university	klinički ko, 2005. vag J., Elderton htistry, Wiliams sentials of press. 2000.	Number of copies in the library	Availability via other media		
Required literature (available in the library and via other media)	Koch G, Poulser pristup, Naklad Anderson M.H. R.J. Profesional & Wilkins Kidd E.A.M., Jor Dental Caries. ( Fejerskov O.and disease and its Blackwell Munl	Title n S. Pedodoncija a Slap, Jastrebars , Bratthall D., Einv prevention in der yston-Bechal S. Es Dxford university d Kidd E Dental C clinical mar ssgaard, 2009.	klinički ko, 2005. vag J., Elderton ntistry, Wiliams sentials of press. 2000. Caries-The nagement.	Number of copies in the library	Availability via other media		
Required literature (available in the library and via other media)	Koch G, Poulser pristup, Naklad Anderson M.H. R.J. Profesional & Wilkins Kidd E.A.M., Jor Dental Caries. ( Fejerskov O.and disease and its Blackwell Munl Axelsson P Di Dental Caries, (	Title n S. Pedodoncija a Slap, Jastrebars , Bratthall D., Einv prevention in der yston-Bechal S. Es Dxford university d Kidd E Dental C clinical mar (sgaard, 2009. agnosis and risk p Quintessence pub	klinički ko, 2005. vag J., Elderton ntistry, Wiliams sentials of press. 2000. Caries-The nagement. rediction of ishing. 2000.	Number of copies in the library	Availability via other media		

	Lippincott-Raven			
	Clinical Periodontology & Implant Dentistry, Jan Lindhe, Thorkild Karring IV izdanje, 2003			
	Graber T.M., Vanarsdall R.L.Jr. Orthodontics – Current Principles and Techniques Mosby, 1994.			
	Knežević : Oralna kirurgija II, Medicinska naklada Zagreb, 2003.			
Optional literature (at the time of submission of study programme proposal)	E. W. Odell. Clinical problem solving in Dentistry. Else 2010.	evier, Churchill	Livingston,	
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teache</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>	rs		
Other (as the proposer wishes to add)				

NAME OF THE COU	IRSE	Elective courses in cl	inical dentistry					
Code			Year of study	6th				
Course teacher	Professor Dolores Biočina- Lukenda, DMD, PhD		Credits (ECTS)	16	16			
	Antoni	ja Tadin, DMD, PhD;		L	S	Е	Т	
Associate teachers	Ivana M DMD, F Dario F Slavica Danijel DMD, F Livia Ci Darko I Marija Tea Ga	Aedvedec Mikić, PhD; Repić, DMD, PhD; Pejda, DMD, PhD; a Kalibović Govorko, PhD; gić, DMD, PhD; Kero, DMD, PhD; Nosić, DMD, MSc; lić, DMD;	Type of instruction (number of hours)	0	0	0	250	
Status of the course	Manda	tory	Percentage of application of e-learning	0%				
		COURSE	DESCRIPTION					
Course enrolment requirements and entry competences required for the course	Not ap	olicable.						

Learning outcomes expected at the level of the course (4 to 10 learning outcomes)	<ul> <li>to describe opisati basic theoretical and practical principles of pathophysiology, clinical outlook and treatment of the most common diseases with respect to particular disciplines of dental medicine</li> <li>to describe and regularly use the most efficient diagnostic tools and imaging techniques in order to successfully set specific diagnosis</li> <li>to compare and analyse short and long term efficiency of different therapeutic approaches with respect to particular disciplines in dental medicine</li> <li>to apply acquired theoretical and practical knowledge while performing practice in specialized dental offices</li> <li>to perform clinical decision making under the supervision of faculty</li> </ul>							
Course content broken down in detail by weekly class schedule (syllabus)	Elective courses to following dis medicine, endo prosthodontics in clinical practi the following by periodontology prosthodontics	ective courses in clinical dentistry take 240 hours of clinical practice with respect following disciplines: pediatric dentistry, orthodontics, periodontology, oral edicine, endodontics and restorative dentistry, oral surgery, removable and fixed osthodontics. During the elective courses student are given choice of taking part clinical practice of at least three specific disciplines (80 hours per each) within e following branches of related expertise: branch 1 (oral medicine, eriodontology and oral surgery); branch 2 (restaurative dentistry, endodontics, osthodontics): branch 3 (pediatric dentistry, orthodontics).						
Format of instruction	□ lectures       □ independent         □ seminars and workshops       □ multimedia         □ exercises       □ laboratory         □ partial e-learning       □ (other         □ field work       □ (other			t assignments entor r)				
Student responsibilities	According to St	udy Regulations	;					
Screening student work (name the proportion of ECTS	Class attendance Research Experimental Report			Practical training (Other)				
credits for each activity so that the	Essay	Semir	nar		(Other)			
ECTS credits is	Tests	Oral e	exam		(Other)			
value of the course)	Written exam	Proje	ct		(Other)			
Grading and evaluating student work in class and at the final exam	Written exam, o	oral exam, pract	ical ex	am				
		Title			Number of copies in the library	Availability via other media		
Required literature (available in the library and via other	Koch G, Poulse pristup, Nakla	en S. Pedodon da Slap, Jastre	cija - l barsko	klinički 5, 2005.				
media)	Anderson M.H R.J. Profesiona & Wilkins	., Bratthall D., Il prevention in	Einwa n dent	ag J., Elderton istry, Wiliams				

	Kidd E.A.M., Joyston-Bechal S. Essentials of					
	Dental Caries. Oxford university press. 2000.					
	Fejerskov O.and Kidd E Dental Caries-The					
	disease and its clinical management.					
	Blackwell Munksgaard, 2009.					
	Axelsson P Diagnosis and risk prediction of					
	Dental Caries, Quintessence publishing. 2000.					
	Lynch i sur Harris NO, Garcia Godoy F, Nielsen					
	Nathe C. Primary preventive dentistry. Burketés					
	Oral Medicine. Diagnosis and treatment.					
	Lippincott-Raven					
	Clinical Periodontology & Implant Dentistry, Jan					
	Lindhe, Thorkild Karring IV izdanje, 2003					
	Graber T.M., Vanarsdall R.L.Jr. Orthodontics –					
	Current Principles and Techniques Mosby,					
	1994.					
	Knežević : Oralna kirurgija II, Medicinska					
	naklada Zagreb, 2003.					
Optional literature	E. W. Odell. Clinical problem solving in Dentistry. Elsevier. Churchill Living	gston,				
(at the time of	2010.	J /				
programme						
proposal)						
Quality assurance methods that	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> </ul>					
ensure the	<ul> <li>Examplessing rate analysis</li> <li>Committee for control of teaching reports</li> </ul>					
acquisition of exit	<ul> <li>External evaluation</li> </ul>					
Other (as the						
proposer wishes to						
auuj						

		Elective course					
NAME OF THE COUR	SE	List of contents of all elective courses (which are not available as online courses ) is attached separately to this study program					
Code			Year of study	Not applicable			

Course teacher			Credits	(ECTS)	2 per each elective course (25 hours)					
Associate teachers		Type of instruction (number of hours)			LS	3	E	Т		
Status of the course	Elective Percentage of application of e-learning				0%					
		COURSE DESCRIPTION								
Course enrolment requirements and entry competences required for the course	Not applicable.									
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)										
Course content broken down in detail by weekly class schedule (syllabus)	Pre-clinical and	re-clinical and Clinical Elective courses								
Format of instruction	<ul> <li>☑ lectures</li> <li>☑ seminars and workshops</li> <li>☑ exercises</li> <li>☑ on line in entirety</li> <li>☑ partial e-learning</li> <li>☑ (other</li> </ul>			<ul> <li>independent a</li> <li>multimedia</li> <li>laboratory</li> <li>work with mer</li> <li>(other)</li> </ul>	assignment ntor	S				
Student responsibilities	In accordance to	o Rules of stu	dying an	d Deontological c	code for US	SM	l students	6.		
Screening student work (name the	Class Research			P	Practical training					
proportion of ECTS credits for each	Experimental work	Rep	ort		(Other)					
activity so that the total number of	Essay	Sen essa	ninar ay		(Othe	r)				
ECTS credits is equal to the ECTS	Tests	Ora	l exam		(Othe	r)				
value of the course)	Written exam	Proj	ect		(Othe	r)				
Grading and evaluating student work in class and at the final exam	Written exam									
Required literature		Title			Number of copies in the library		Availabili other m	ity via edia		
library and via other	Handouts, lectu	ire notes				+				
meula)										
Optional literat										
Optional literature (at the time of submission of study programme										

proposal)	
Quality assurance methods that ensure the acquisition of exit competences	<ul> <li>Teaching quality analysis by students and teachers</li> <li>Exam passing rate analysis</li> <li>Committee for control of teaching reports</li> <li>External evaluation</li> </ul>
Other (as the proposer wishes to add)	

		Elective course (online)							
NAME OF THE COU	IRSE	List of	contents	of all elective	courses (which	n are not	available	e as onl	ine
		CO	urses ) is	attached sep	arately to this s	study pro	gram		
Code				Year of	study	Not a	pplicable		
Course teacher				Credits	(ECTS)	2 per (25 ho	2 per each elective course (25 hours)		
Associate teachers				Type of	instruction of hours)	L	S	E	Т
Status of the course	Elective	Elective			tage of tion of e-learnin	100%	100%		
			COUR	SE DESCRI	PTION	9			
Course enrolment requirements and entry competences required for the course	Not app	olicable.							
Learning outcomes expected at the level of the course (4 to 10 learning outcomes)									
Course content broken down in detail by weekly class schedule (syllabus)	Pre-clii	nical and	d Clinical	Elective cour	ses				
Format of instruction	<ul> <li>☑ lectu</li> <li>☑ sem</li> <li>☑ exer</li> <li>□ on li.</li> <li>□ parti</li> <li>□ field</li> </ul>	<ul> <li>Iectures</li> <li>seminars and workshops</li> <li>exercises</li> <li>on line in entirety</li> <li>partial e-learning</li> <li>field work</li> </ul>			<ul> <li>independen</li> <li>multimedia</li> <li>laboratory</li> <li>work with m</li> <li>(othe</li> </ul>	it assignn ientor er)	nents		
Student responsibilities	In acco	rdance t	to Rules o	of studying an	d Deontologica	l code for	r USSM	student	S.
Screening student work (name the	Class attenda	ince		Research		Practical	training		
proportion of ECTS credits for each	Experin work	nental		Report		(0	Other)		
activity so that the total number of	Essay			Seminar essay		(0	Other)		

ECTS credits is equal to the ECTS value of the course)	Tests	Oral exam		(Other)	
	Written exam	Project		(Other)	
Grading and evaluating student work in class and at the final exam	Written exam				
Required literature	Title		Number of copies in the library	Availability via other media	
(available in the	Handouts, lectu	ure notes			
media)					
Optional literature (at the time of submission of study programme proposal)					
Quality assurance	<ul> <li>Teaching q</li> </ul>	uality analysis by studer	its and teache	ers	
methods that	<ul> <li>Exam pass</li> </ul>	ing rate analysis			
acquisition of exit competences	<ul> <li>Committee</li> <li>External ev</li> </ul>	for control of teaching re aluation	eports		
Other (as the proposer wishes to add)					

## 2. STUDY PERFORMANCE CONDITIONS

## 2.1. List of lecturers and associate lecturers

Course	Teachers and associate teachers
Anaesthesiology and Intensive Medicine	assist. prof. Nenad Karanović, MD, PhD
	asist. prof. Mladen Carev, MD, PhD
	assist. prof. Marko Jukić, MD, PhD
	assist. prof. Mihajlo Lojpur, MD, PhD
	Vjera Marinov, MD, PhD
	Božena Ivančev, MD, PhD
	Ivan Agnić, MD, PhD
	Božidar Duplančić, MD, MSc
	Dragica Kopić, MD, MSc
	Željko Ninčević, MD, MSc
	Dubravka Kocen, MD, MSc
Anatomy	prof. Ivica Grković, MD, PhD;
	prof. Katarina Vilović, MD, PhD;
	Irena Pintarić, MD, PhD;
	prof. Katarina Vukojević, MD, PhD;
	Assist.prof. Natalija Filipović, MDVet, PhD;

	Antonia Jeličić Kadić, MD, PhD;
	Milka Jerić, MD;
	Ana Vuica, MD;
	Nikola Ključević, MD;
Biochemistry	Prof. Irena Drmić Hofman, PhD;
	Assoc. Prof. Anita Markotić, PhD;
	Assist. Prof. Vedrana Čikeš Čulić, PhD;
	Angela Mastelić, MSc; Nikolina Režić Mužinić, MSc;
Biophysics	Prof. Davor Eterović, PhD:
	Assist. prof. Marija Raguž, PhD;
	Assist. prof. Damir Kovačić, PhD;
	Darijo Radović, MD, MSc; dr.med;
Cariology	Assist. Prof. Marina Ognjenović Mirošević, DMD, PhD;
	Antonija Tadin, DMD, PhD; Ivana Medvedec Mikić,
	DMD. PhD:
	Dario Repić, DMD, PhD:
Clinical Dentistry	Professor Dolores Biočina-Lukenda, DMD, PhD:
	Antonija Tadin, DMD, PhD; Ivana Medvedec Mikić.
	DMD. PhD:
	Dario Repić, DMD, PhD; Slavica Peida, DMD, PhD;
	Danijela Kalibović Govorko, DMD, PhD:
	Livia Cigić DMD PhD:
	Darko Kero, DMD, PhD: Marija Nosić, DMD, MSc: Tea
	Galić DMD
Dental Anatomy and Anthropology	prof Katarina Vilović MD PhD:
	Darko Kero, DMD, PhD:
	Nikica Pirović DMD, MSc:
	Danijela Kalibović Govorko, DMD, PhD:
Dermatovenerology	Prof Neira Puizina-Ivić MD PhD:
Dermatovenerology	Deny Anđelinović Ph.D. Antonela Čarija MD.
	Banka Ivanišević MD:
	Olga Kosor MD:
Elective Courses in Dentistry	Professor Dolores Biočina-Lukenda, DMD, PhD.
	Antonija Tadin, DMD, PhD: Ivana Medvedec Mikić
	DMD. PhD:
	Dario Repić, DMD, PhD: Slavica Peida, DMD, PhD:
	Danijela Kalibović Govorko, DMD, PhD:
	Livia Cigić. DMD. PhD:
	Darko Kero, DMD, PhD: Marija Nosić, DMD, MSc: Tea
	Galić. DMD:
Endodontics 1	Assist, Prof. Marina Ognienović Mirošević, DMD, PhD:
	Antonija Tadin, DMD, PhD: Ivana Medvedec Mikić.
	DMD. PhD:
	Dario Repić DMD PhD
Endodontics 2	Assist, Prof. Marina Ognienović Mirošević, DMD, PhD:
	Antonija Tadin, DMD. PhD: Ivana Medvedec Mikić
	DMD. PhD:
	Dario Repić, DMD, PhD:
Endodontics 3	Assist, Prof. Marina Ognjenović Mirošević, DMD. PhD:
	Antonija Tadin. DMD. PhD: Ivana Medvedec Mikić
	DMD PhD
	Dario Repić, DMD, PhD
Ethics in Dental Medicine	Darko Kero, DMD, PhD:
Ethios in Dental Medicine	Assistant professor lyan Koyačić DMD, DhDy
FIXED PROSTINUOUNTICS T	Assistant professor Ivan Kovacic, DIVID, PND;
	Assistant professor Dever Califert DMD DED
	Assistant professor Davor Seifert, DMD, PhD;

	PhD;
Fixed Prosthodontics 2	Assistant professor Ivan Kovačić, DMD, PhD;
	Assistant professor Davor Seifert, DMD, PhD;
	Assistant professor Renata Poljak-Guberina, DMD,
	PhD;
Fixed Prosthodontics 3	Assistant professor Ivan Kovačić, DMD, PhD;
	Assistant professor Davor Seifert, DMD, PhD;
	Assistant professor Renata Poljak-Guberina, DMD,
	PhD;
Fixed Prosthodontics 4	Assistant professor Ivan Kovačić, DMD, PhD;
	Assistant professor Davor Seifert, DMD, PhD;
	Assistant professor Renata Poljak-Guberina, DMD,
	PhD;
Forensic Dentistry	prof. Šimun Anđelinović, MD, PhD;
	Darko Kero, DMD, PhD;
	MSc Ivana Anterić, PhD; MSc Željana Drnasin, PhD;
	prof. Dolores Biočina-Lukenda, DMD, PhD;
General and Community Dentistry	Darko Kero, DMD, PhD;
	Nikica Pirović, DMD, MSc; Danijela Kalibović Govorko,
	DMD, PhD;
General Radiology and Radiology of Orofacial	Prof. Ante Buča, MD, PhD;
Region	Prof. Liana Cambj-Sapunar, MD, PhD;
	Prof. Igor Barišić, MD, PhD; Assist. Prof. Tade Tadić,
	MD, PhD;
	Assist. Prof. Tonči Batinić, MD, PhD;
	Gordana Glavina, MD; Krešimir Kolić, MD;
	Ivana Štula, MD, PhD;
Geriatric Dentistry	prof. Dolores Biočina Lukenda, DMD, PhD;
	assist.prof. Ivan Kovačić, DMD, PhD;
	Katica Parat, DMD, MSc; assist.prof. Marina
	Ognjenović Mirošević, DMD, PhD;
	Jozo Badrov, DMD, MSc;
Gynaecology	prof. Deni Karelović, MD, PhD;
	prof. Damir Roje, MD, PhD; assist. prof. Marko Vulić,
	MD, PhD;
Gnathology	Assistant professor Ivan Kovacic, DMD, PhD;
	Assistant professor Davor Seifert, DMD, PhD;
Histology and Embriology	Prof. Mirna Saraga Babic, MD, PhD;
	Assist. Prof. Sandra Kostic, MSC;
	Prof. Damir Sapunar, MD, PhD;
	Assist. Prof. Livia Puljak, MD, PhD;
	Assist. Prof. Snjezana Mardesic, MD, PhD; Svjetiana
	Dosenović, MD;
Implantology	Marija Nosić DMD:
	lozo Badrov, DND, MSc.
	JUZO BAUTOV, DIVID, IVISC,
Immunology and Madical Constice	
minunology and iviedical Genetics	prof. Janus Terzić, IVID, PITD; Prof. Jyana Marinović Terzić, PhD;
	Assist prof lyana Novak Nakir DhDy
	ASSIST PLOT. IVALIA INUVAK INAKIL, PLID; Jalana Karać Drlić, DhD:
	Mija Marinković MSc. Marina Degoricija dinling.
Infectology	nrof Nikola Bradarić MD PhD.
	prof. Boris Lukšić MD PhD asist prof. Dragan Ledina
	MD_PhD.
	prof. Ivo Ivić, MD. PhD
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	Assist. prof. Nediljko Pivac, MD, PhD;
	Assist. prof. Mladen Krnić, MD, PhD;
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	Slaven Lupi-Ferandin, MD;
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	Katarina Šiško Kraljević, MD, PhD;
	Žana Rubić, MD;
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	prof. Marina Titlić, MD, PhD; assist. prof. Meri
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	Assist. Prof. Renata Pecotić, MD, PhD;
	Ivana Pavlinac Dodig, IVID, PhD;
	Ivona Stipica, IVID; Assist Dref Nered Kerenević MAD, DKD
	Assist. Prot. Nenad Karanovic, MD, PhD;
	ASSISL Prof. Miladen Carev, MD, PhD;
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	Tihana Boraska Jelavić, MD, PhD;
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	Ivana Medvedec, DMD, PhD; Danijela Kalibović
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	Detar Pitanga, DMD:
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