

			Sylla	bus fo	or acac	lemic	year: 2	2020/2	021							
			Trair	ning cy	cle: R	ecruitr	ment 2	2018/2	2019							
				De	scriptio	on of th	ne coui	rse								
Module/Course									G	roup	of deta	ailed ed	ucatior	I		
				[Dental	Radiol	ogy		re	results						
										roup		Group name				
									СС	ode						
Faculty			-			culty o	f Denti	stry								
Major			Faculty of Dentistry													
Unit realizing the subje	ct		Department of Oral Surgery													
Specialties																
Level of studies			Unifor	m mag	gister s	tudies	*									
			1 st deg	ree stu	udies 🛛											
			2 nd de	gree st	udies											
			3^{rd} degree studies \square													
			postgraduate studies 🗆													
Form of studies X full-time X part-time				t-time												
Year of studies			III Ser				Seme	ester 🗌 Winter								
			VI				VI		X Summer							
Type of course			X obligatory													
			□ limited choice													
			□ free choice / elective													
Course			X major 🗆 basic													
Language of instruction)		Polish X English other													
* mark \square with an X																
					Num	ber of l	nours									
					Form	of edu	cation									
Unit teaching the course	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Classes – not clinical (MC)	Clinical Classes (CC)	Laboratory Classes (LC)	Classes in Simulated Conditions (CSC)	Practical Classes with Patient (PCP)	Specialist Classes – magister studies (SCM)	Foreign language Course (FLC)	Physical Education obligatory (PE)	Vocational Practice (VP)	Self-Study (Student's own work)	E-learning (EL)		
Winter Semester						<u> </u>			0, 0,					_		
Direct (contact)																
education																
Online learning																
(synchronous)																
Distance learning																
(asynchronous)	1			1		1	1				1		1			



Summer Semes	ter														
Direct (contact)			45												
education															
Online learning															
(synchronous)															
Online learning															
(asynchronous)															
TOTAL per year:	45					_									
Direct (contact)		45													
education				_	_										
Online learning															
(synchronous)															
Online learning (asynchronous)															
Educational obj	actives (max f	(items)													
C1.Teaching stu	-	-	of mode	rn radio	ology a	nd te	chnic	ues	and	metho	ds o	fima	aging	of t	he
maxillofacial reg			ormoue		, 667 a			Juco	ana	meeno	450		0,.10	01 0	
C2. Teaching stu			n of radi	iologica	l exam	natio	ons in	ora	sur	gery					
C3. Teaching stu		•		-					-		ions	5			
-		•	•					-							
Education result	t matrix for mo	dule/cou	irse in re	elation t	o verif	catio	n me	tho	ls of	the int	end	ed e	ducat	tion	result
			an	d the ty	/pe of o	lass									
	Number of	Student	who com	platas th	0		N	letho	ds of	verificat	ion	For	rm of o	didac	tic
Number of course	major		Student who completes the module/course knows/is able to					of intended education				class			
education result	education									ning and			enter th		
W 01	result	Ctudor	+ 1/2 0.1/2	+ho pr	inciplo	- of			arising			_	oreviati	on	
W 01	F.W21.		nt knows stic radi	•	incipie	5 01			nu v	ritten		з,	MC		
	D 14/0	-			inciplo	of		est ral a		ritton		c			
W 02	B.W9.	Student knows the principles of radiological protection							na v	ritten		S, MC			
			• •					est							
W 03	F.W21	Student know the radiological					0	oral and written					S, MC		
		anator	ny of the	e maxil	lo-facia	I	te	est							
		region													
W 04	F.W21.	Studer	nt know	the sch	eme o	f	0	ral a	nd v	ritten		S,	MC		
		radiog	raphs de	escriptio	on		te	est							
W 05	B.W9.	Student knows the methods and					0	oral and written					S, MC		
		techni	ques of I	radiolo	gical		te	est							
		imagin	g in the	maxillo	o-facial										
		region	-												
		Student formulates research						oral and written					S, MC		
U 01	F.U.14.	-	nt formu	lates re	esearch	1	о	ral a	nd w	/ritten		5,	MC		
U 01	F.U.14.	Studer							nd v	ritten		5,	MC		
		Studer proble	ms relat	ed to h			te	est							
U 01 U 02	E.U5	Studer proble Studer	ms relat nts inter	ed to h prets	is wor		te o	est ral a		vritten vritten			MC MC		
U 02	E.U5 F.U15.	Studer proble Studer pantor	ms relat nts inter nograph	ed to h prets nic pictu	is wor ures	k	te o te	est ral a est	nd v	vritten		S,	MC		
	E.U5	Studer proble Studer pantor Studer	ms relat nts inter	ed to h prets nic pictu prets in	is wor ures	k	te o te	est ral a est	nd v			S,			



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U 04 E.U5		Students interprets CT	oral and written	S, MC
	F.U15		test	
U 05	E.U5	Student interprets extraoral bite	oral and written	S, MC
	F.U15	radiological pictures	test	
K 01		Student cooperates in the group	direct observation	S, MC
		during interpretation of	of the students by	
		radiological pictures	the teacher	
			(skills assessment)	
К 02		Student demonstrates the skills	direct observation	S,MC
		of interpretation radiological	of the students by	
		pictures in the forum of student	the teacher	
		group	(skills assessment)	

** L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (magister studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning .

Please mark on scale 1-5 how the above effects place your classes in the following categories:

communication of knowledge, skills or forming attitudes:

Knowledge: +++

Skills: ++

Social competences: +

Student's amount of work (balance of ECTS points)					
Student's workload	Student Workload (h)				
(class participation, activity, preparation, etc.)					
1. Contact hours:	45				
2. Online learning hours (e-learning):					
3. Student's own work (self-study):	25				
Total student's workload	70				
ECTS points for module/course	2				
Comments					

Content of classes (please enter topic words of specific classes divided into their didactic form and remember how it is translated to intended educational effects)

Lectures

Not applicable

Seminars

Not applicable.

Practical classes

1.X-ray radiation. Diagnostic devices. Projections. Factors which have an influence for x-ray image. Radiological protection.

2.Sorts and techniques of making intraoral x-ray images. Digital radiography. Differences between classic and digital methods.



3.Radiological anatomy. Schema of description intraoral x-ray image 4. Pantomographic images, radiological anatomy 5. Radiological diagnostic of teeth hard tissue and marginal periodontium disorders. Endodontic x-ray diagnostic. 6. Odontogenic pathological lesions in periapical tissues and in alveolar process bone. 7. Radiology diagnostic of cysts. 8. Dental radiology of development age. Dental disorders. 9. Dental radiology of impacted and supplementary teeth. 10. Bases of orthodontic radiology. Cephalometric images 11. X-ray diagnostic of maxillary sinuses. 12. Computer tomography - rules of making and interpretation, 3D techniques. 13. Bases of radiological differentiation diagnostic 14. Description of X-ray images. Other ... **Basic literature** (list according to importance, no more than 3 items) E. Whaites, N.Drage. Essentials of Dental Radiography and Radiology.5 -Edition Churchill 1. Livingstone, 2013 2. S.C.White, M.J.Pharoah.: Oral Radiology: Principles and Interpretation, Mosby, 2014 P. Dayal, L.C.Naidog.: Dentomaxillofacial Radiology, Jaypee, 2007 3. Additional literature and other materials (no more than 3 items) F. Stabulas-Savage.: Radiology for the Dental Professional, 8 - edition, Elsevier 1. 2. G. Ananad Kumar.: A short Textbook of Oral Radiology, Jajpee, 2004 Anil Govindrao Ghom .: Textbook of Oral Radiology, Elsevier, 2008 3. Didactic resources requirements (e.g. laboratory, multimedia projector, other...) Multimedia projector, base of the radiological pictures Preliminary conditions (minimum requirements to be met by the student before starting the module/course) 1. Presence of the student list from Dean's office 2. Acquaintance of instruction book of work in Oral Surgery Department Conditions to receive credit for the course (specify the form and conditions of receiving credit for classes included in the module/course, admission terms to final theoretical or practical examination, its form and requirements to be med by the student to pass it and criteria for specific grades) Positive estimates from oral answers, written tests.



Grade:	Criteria (only for courses/modules ending with an examination)
Very Good	
(5.0)	
Good Plus	
(4.5)	
Good	
(4.0)	
Satisfactory Plus	
(3.5)	
Satisfactory	
(3.0)	
	Criteria (only for courses/modules ending with e credit)
Credit	

Grade:	Criteria (examination evaluation criteria)
Very Good	
(5.0)	
Good Plus	
(4.5)	
Good	
(4.0)	
Satisfactory Plus	
(3.5)	
Satisfactory	
(3.0)	
Unit realizing the	
subject	
Unit address	
Telephone	
E-Mail	

Person responsible	Prof. dr hab. Marzena Dominiak
for module	
Coordinator	Lek. dent. Artur Pitułaj



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Telephone	71 784 02 51
E-Mail	Jolanta.pilarska@umed.wroc.pl

ist of persons con	ducting specific classes					
Full name	Degree/scientific or	Discipline	Performed	Form of classes		
	professional title		profession			
Artur Pitułaj	Lek. dent.	Oral Surgery	Dentist	Lectures, clinical		
				classes		
Artur	Dr n. med.	Oral Surgery	Dentist	Lectures, clinical		
Błaszczyszyn				classes		
Paweł Popecki	Lek. dent.	Oral Surgery	Dentist	Lectures, clinical		
				classes		
Paweł	Dr n. med.	Oral Surgery	Dentist	Lectures, clinical		
Kubasiewicz-				classes		
Ross						
Daniel Selahi	Lek. dent.	Oral Surgery	Dentist	Lectures, clinical		
				classes		
Barbara	Lek. dent.	Oral Surgery	Dentist	Lectures, clinical		
Sterczała				classes		
Jakub Hadzik	Dr n. med.	Oral Surgery	Dentist	Lectures, clinical		
				classes		

Date of Syllabus development

Syllabus developed by

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Signature of Head of teaching unit

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Signature of Faculty Dean

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