

			Sylla	bus fo	r acad	demic	year: 2	2020/2	2021					
			Trair	ning cy	/cle: R	ecruiti	ment 2	2016/2	2017					
				De	scripti	on of tl	he cou	rse	•					
Module/Course										Group of detailed education				
				[Dental	Radiol	ogy			sults		_		
										roup	· C	Group r	name	
Fo eviltor			ام جانما	- Divisi	an Fa	al+a	f Danti		cc	ode				
Faculty			English Division, Faculty of Dentistry Faculty of Dentistry											
Major Unit realizing the subje	oct.					/ Surge)r\/							
Offic realizing the subject	CL		Depai	unent	OI OI a	Juige	zi y							
Specialties														
Level of studies			Unifor	m mag	gister s	tudies	_*							
				gree st										
			_	, gree st										
				gree st										
			postgr	aduate	e studi	es 🗌								
Form of studies			X full-time X part-time											
Year of studies			V				Seme	Semester X Winter						
							IX	IX □ Summer						
Type of course			X obligatory											
			☐ limited choice											
			☐ free choice / elective											
Course			X major □ basic											
Language of instruction	n		□ Polish X English □ other											
* mark with an X														
						ber of I								
		1	ı		Form	of edu	cation	ı				1	1	
				_				ent	er	FLC)	λιc			
			4C)	Major Classes – not clinical (MC)		()		Practical Classes with Patient (PCP)	– magister	Foreign language Course (FLC)	Physical Education obligatory (PE)	(VP)	own	
Unit teaching the			Auditorium classes (AC)	not o	(CC)	Laboratory Classes (LC)	ated	s with	n – sa	ge Col	ion o	Vocational Practice (VP)	Self-Study (Student's own work)	
course	$\widehat{}$	(SE)	n clas	sses –	isses	/ Clas	Simul (CSC	lasse	Classe CM)	gnag	ducat	l Prac	(Stuc	(EL)
	Lectures (L)	Seminars (SE)	toriur	ır Clas	Clinical Classes (CC)	raton	Classes in Simulated Conditions (CSC)	ical C	Specialist Classes · studies (SCM)	ign laı	ical Ec	tiona	Study)	E-learning (EL)
	Lectu	Semi	Audi	Majo (MC)	Clinic	Labo	Class	Practi (PCP)	Spec	Fore	Physi (PE)	Voca	Self-St work)	E-lea
Winter Semester			I	1	1		1	<u>I</u>	<u> </u>		1		<u> </u>	1
Direct (contact)														
education				15										
Online learning														
(synchronous) Distance learning	+													
(asynchronous)														

Summer Semester										
Direct (contact)										
education										
Online learning										
(synchronous)										
Online learning							•			
(asynchronous)										
TOTAL per year: 15										
Direct (contact)										
education										
Online learning										
(synchronous)										
Online learning			•			•			•	
(asynchronous)										

Educational objectives (max. 6 items)

- C1. To familiarize students with the modern methods of radiological diagnostics, techniques, and methods of radiological imaging of the facial part of the skull.
- C2. To learn to interpret radiological images in the field of dentistry.
- C3. To acquaing students with knowledge about radiation protection and the safety of radiological procedures.

Education result matrix for module/course in relation to verification methods of the intended education result and the type of class

Number of course education result	Number of major education result	Student who completes the module/course knows/is able to	Methods of verification of intended education results (forming and summarising)	Form of didactic class **enter the abbreviation
W 01	F.W21.	Knows the principles of	oral answer,	CC
		radiological diagnostics	written test	
W 02	B.W9.	Knows the principles of	oral answer,	CC
		radiological protection	written test	
W03	F.W21.	Knows the radiological anatomy	oral answer,	CC
		of the craniofacial area	written test	
W04	F.W21.	Knows the diagram of the	oral answer,	CC
		description of radiological images	written test	
W 05	B.W9.	Knows techniques and methods	oral answer,	CC
		of radiological imaging of the	written test	
		facial part of the skull		
U 01	F.U14	Formulates research problems related to his work	oral answer	CC
U 02	F.U15	Interpretes orthopanthomograms	oral answer	CC
U 03	F.U15	Interpretes intraoral radiological images	oral answer	СС

U 04	F.U15	Interpretes CBCT images	oral answer	СС
U05	F.U15	Interpretes intraoral bitewings	oral answer	CC
		images		
K 01		Works in a group while learning	work in the	CC
		how to interpret radiological	students group	
		images	under a teacher	
			control	
K02		Demonstrates the ability to	work in the	CC
		interpret radiological images to	students group	
		other students	under a teacher	
			control	

** 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:	15
2. Online learning hours (e-learning):	
3. Student's own work (self-study):	10
Total student's workload	25
ECTS points for module/course	1
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. Intraoral and extraoral radiological images
- 2. Computed tomography and magnetic resonance imaging
- 3. Other radiological techniques

Other

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Basic literature (list according to importance, no more than 3 items)

- E. Whaites, N. Drage. Essentials of Dental Radiography and Radiology. 5 Edition Churchill Livingstone, 2013
- 2. S.C.White, M.J.Pharoah.: Oral Radiology:Principles and Interpretation, Mosby, 2014
- 3. P. Dayal, L.C.Naidog.: Dentomaxillofacial Radiology, Jaypee, 2007

Additional literature and other materials (no more than 3 items)

- 1. F. Stabulas-Savage.: Radiology for the Dental Professional , 8 edition, Elsevier
- 2. G. Ananad Kumar.: A short Textbook of Oral Radiology, Jajpee, 2004
- 3. Anil Govindrao Ghom.: Textbook of Oral Radiology, Elsevier, 2008

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)

- 1. Receipt of a positive assessment of oral answers
- 2. Passing the test
- 3. Positive assessment of skills by the teacher

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

List of persons conducting specific classes					
Full name	Degree/scientific or professional title	Discipline	Performed profession	Form of classes	
Artur Pitułaj	Lek. dent.	Oral Surgery	Dentist	Clinical classes	
Artur	Dr n. med.	Oral Surgery	Dentist	Clinical classes	
Błaszczyszyn					
Paweł Popecki	Lek. dent.	Oral Surgery	Dentist	Clinical classes	



Cyprian Olchowy	Dr n. med.	Radiology	Radiologist	Clinical classes
Daniel Selahi	Lek. dent.	Oral Surgery	Dentist	Clinical classes
Barbara Sterczała	Lek. dent.	Oral Surgery	Dentist	Clinical classes
Jakub Hadzik	Dr n. med.	Oral Surgery	Dentist	Clinical classes

Date of Syllabus development	Syllabus developed by
	Signature of Head of teaching unit
Signature of Faculty Dean	