



Syllabus for academic year: 2021/2022													
Training cycle: 2019/2020-2023/2024													
Description of the course													
Course	Dental Radiology								Group of detailed education results				
									Group code	Group name			
									F	SPECIALISED CLINICAL SCIENCES (SURGICAL)			
Faculty	Dentistry												
Major	dentistry												
Level of studies	X uniform magister studies												
Form of studies	X full-time X part-time												
Year of studies	III								Semester:	X summer			
Type of course	X obligatory												
Language of study	X English												
Number of hours													
Form of education													
	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)	Foreign language Course (FLC)	Physical Education (PE)	Vocational Practice (VP)	Directed Self-Study (DSS)	E-learning (EL)
Summer semester:													
Department of Oral Surgery (Unit realizing the course)													
Direct (contact) education		45											
Distance learning													
Educational objectives (max. 6 items)													
C1. To acquaint students with the basics of modern radiological diagnostics as well as techniques and methods of radiological imaging of the facial part of the skull.													
C2. Learning to interpret radiological images in the field of dental surgery.													
C3. To acquaint students with the knowledge of radiological protection and the safety of radiological examinations.													
Education result for course in relation to verification methods of the intended education result and the type of class:													
Number of detailed education result	Student who completes the course knows/is able to							Methods of verification of	Form of didactic class <i>*enter the abbreviation</i>				



		intended education results	
<b>F. W18</b>	In terms of knowledge the graduate knows and understands the principles of radiological diagnosis	Test, oral answer	SE
<b>F. U23</b>	In terms of skills the graduate is able to describe tooth x-rays and panoramic radiographic images.	Test, oral answer	SE
* L- lecture; SE- seminar; AC- auditorium classes; MC- major classes (non-clinical); CC- clinical classes; LC- laboratory classes; CSC- classes in simulated conditions; PCP- practical classes with patient; FLC- foreign language course; PE- physical education; VP- vocational practice; DSS- directed self-study; EL- E-learning			
<b>Student's amount of work (balance of ECTS points):</b>			
<b>Student's workload</b> (class participation, activity, preparation, etc.)		<b>Student Workload</b>	
1. Number of hours of direct contact:		45	
2. Number of hours of distance learning:			
3. Number of hours of student's own work:		10	
4. Number of hours of directed self-study			
Total student's workload		55	
ECTS points for course		2	
<b>Content of classes:</b>			
<b>Seminars</b>			
1. X-rays. Diagnostic apparatus. Factors influencing the X-ray image. Disadvantages of X-rays. Radiation protection.			
2. Types and technique of taking intraoral photos. Projections.			
3. Digital radiography. Differences between the conventional and digital method.			
4. Radiological anatomy. Diagram of intraoral X-ray description.			
5. Pantomographic photos, radiological anatomy.			
6. X-ray diagnosis of hard tissue diseases of the tooth and marginal periodontium.			
7. X-ray endodontic diagnosis.			
8. Odontogenic changes in periapical tissues and alveolar bone.			
9. Fundamentals of x-ray diagnosis of cysts within the alveolar process.			
10. Dental radiology of developmental age. Tooth defects.			
11. Radiological diagnostics of impacted teeth, accessory teeth and root debris.			
12. Basics of orthodontic radiology. Cephalometric images.			
13. Computed tomography - principles of performing and radiological interpretation. 3D technique.			
14. Introduction to x-ray diagnosis of the paranasal sinuses.			
15. Basics of radiological differential diagnosis.			
<b>Basic literature</b>			
1. 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			
<b>Additional literature and other materials</b>			
1. F. Stabulas-Savage.: Radiology for the Dental Professional, 8 – edition, Elsevier			
2. G. Ananad Kumar.: A short Textbook of Oral Radiology, Jaypee, 2004			



3. Anil Govindrao Ghom.: Textbook of Oral Radiology, Elsevier, 2008
<b>Preliminary conditions:</b> Passing the course of General Radiology in semester V
<b>Conditions to receive credit for the course:</b> Credit is obtained by achieving the positive grades from tests and oral answers during the semester and correct description of 2 intraoral X-rays images and 1 pantomographic X-ray image during the semester.

Grade:	Criteria for courses ending with a grade
Very Good (5.0)	Arithmetic mean 4.7 - 5.0 of the test marks, oral answers and description of X-ray images
Good Above (4.5)	Arithmetic mean 4.5 – 4.7 of the test marks, oral answers and description of X-ray images
Good (4.0)	Arithmetic mean 4.0 - 4.4 of the test marks, oral answers and description of X-ray images
Satisfactory Plus (3.5)	Arithmetic mean 3.5 - 3.9 of the test marks, oral answers and description of X-ray images
Satisfactory (3.0)	Arithmetic mean 3.0 - 3.4 of the test marks, oral answers and description of X-ray images

Unit realizing the course:	Chair and Department of Oral Surgery – Wrocław Medical University
Unit address:	26 Krakowska Street , 50-425 Wrocław
Telephone:	71 7840251, Fax: 71 7840253
E-Mail:	chir.stom@umed.wroc.pl

Person responsible for the course:	Prof. dr hab. Marzena Dominiak
Telephone:	71 7840251
E-Mail:	Marzena.dominiak@umed.wroc.pl

List of persons conducting specific classes:				
Name and surname	Degree/scientific or professional title	Discipline	Performed profession	Form of classes
Marzena Dominiak	Prof. dr hab.	Medical sciences	Profesor	Classes
Cyprian Olchowcy	dr n. med.	Medical sciences	Lecturer	Classes
Konstanty Sławecki	lek. dent.		Lecturer	Classes
Daniel Selahi	lek. dent.		Assistant	Classes



Date of Syllabus development

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Syllabus developed by  
Uniwersytet Medyczny we Wrocławiu  
KATEDRA I ZAKŁAD  
CHIRURGII STOMATOLOGICZNEJ  
adiunkt dydaktyczny ED

.....lek. dent. Artur Pitulaj

Uniwersytet Medyczny we Wrocławiu  
KATEDRA I ZAKŁAD CHIRURGII  
STOMATOLOGICZNEJ  
*Marzena Dominiak*  
prof. dr hab. Marzena Dominiak

Signature of Head(s) of teaching unit(s)

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Dean's signature  
Uniwersytet Medyczny we Wrocławiu  
WYDZIAŁ  
LEKARSKO STOMATOLOGICZNY  
DZIEKAN

.....prof. dr hab. Marcin Mikulewicz.....