UNIWERSYTET MEDYCZNY
IM. PIASTÓW ŚLĄSKICH WE WROCŁAWIU

Syllabus for 2022/2023 academic year Learning cycle: 2020/2021 – 2024/2025			
Description of the course			
Course	(in Polish) Radiologia stomatologiczna	Group of specific learning outcomes	
	(in English) **Dental radiology**	Class group (group code) F	Group name Specialised Clinical Sciences (Interventional)
Faculty	English Division, Faculty of Dentistry		
Major	Faculty of Dentistry		
Level of studies	Ξ uniform Master's degree studies 　First-level 　Second-level 　Third-level 　Postgraduate studies		
Mode of study	Ξ full-time　　Ξ part-time		
Year of studies	1　2　Ξ 3　4　5　6	Semester	winter　　Ξ summer
Type of course:	Ξ mandatory 　free choice / elective		
Language of instruction	Polish　　Ξ English		

Number of hours															
Course delivery method															
	Lectures (L)	Seminars (SE)	Auditorium classes (AC)	Major Non-clinical Classes (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)	Guided Self-directed Learning (GSL)	E-learning (EL)		
Winter semester:															
Chair and Department of Oral Surgery															
Direct learning															
Remote learning															
Summer semester:															
Chair and Department of Oral Surgery															
Indirect learning				45											
Remote learning															
Total per year:															

Chair and Department of Oral Surgery											
Indirect learning			45								
Remote 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.

Learning outcomes for the course in relation to methods of verifying the intended learning outcomes and the course delivery method:			
Number of the specific learning outcome	Student who completes the module/course knows/is able to	Methods of verification of intended learning outcomes	Form of teaching *enter the symbol*
F. W4	In terms of knowledge the graduate knows and understands symptoms, course and management of specific oral, head and neck diseases, taking into account patient age groups	Test, oral answer	MC
F. W18	In terms of knowledge the graduate knows and understands the principles of radiological diagnosis	Test, oral answer	MC
F. U6	In terms of skills the graduate is able to interpret the results of additional examinations and consultations	Analysis of the X-ray image	MC
F. U11	In terms of skills the graduate is able to handle the patient's current medical record, write referrals for tests or specialist dental or general medical treatment	Analysis of the X-ray image	MC
F. U23	In terms of skills the graduate is able to describe tooth x-rays and panoramic radiographic images	Analysis of the X-ray image	MC

* L - Lecture; SE - Seminar; AC - Auditorium Classes; MC- Major Non-clinical Classes; CC - Clinical Classes; LC - Laboratory Classes; CS - Classes in Simulated Conditions; PP - Practical Classes with Patient; FLC - Foreign Language Course ; PE - Physical Education; VP - Vocational Practice; GSL - Guided Self-directed learning; EL - E-learning

Student' s amount of work (balance of ECTS points):	
Student's workload (class participation, activity, preparation etc.)	Student's hourly workload
1. Hours of direct learning:	45
2. Hours of remote learning:	
3. Hours of student's individual work:	10
4. Hours of self-directed learning:	
Summary of the student's workload:	55
Module/course ECTS value:	2

Course content: (please enter keywords describing the topic of each session, categorised by the form of teaching, making sure that it translates into the intended learning outcomes)
Lectures
Seminars
Practical classes
1. X-rays. Diagnostic apparatus. Factors influencing the X-ray image. Disadvantages of X-rays. Radiation protection. (3 hours)

2. Types and technique of taking intraoral photos. Projections. (3 hours)

3. Digital radiography. Differences between the conventional and digital method. (3 hours)

4. Radiological anatomy. Diagram of intraoral X-ray description. (3 hours)

5. Pantomographic photos, radiological anatomy. (3 hours)

6. X-ray diagnosis of hard tissue diseases of the tooth and marginal periodontium. (3 hours)

7. X-ray endodontic diagnosis. (3 hours)

8. Odontogenic changes in periapical tissues and alveolar bone. (3 hours)

9. Fundamentals of x-ray diagnosis of cysts within the alveolar process. (3 hours)

10. Dental radiology of developmental age. Tooth defects. (3 hours)

11. Radiological diagnostics of impacted teeth, accessory teeth and root debris. (3 hours)

12. Basics of orthodontic radiology. Cephalometric images. (3 hours)

13. Computed tomography - principles of performing and radiological interpretation. 3D technique. (3 hours)

14. Introduction to x-ray diagnosis of the paranasal sinuses. (3 hours)

15. Basics of radiological differential diagnosis. (3 hours)

Other

Mandatory literature: *(mention according to significance, no more than 3 items)*
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

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

Prerequisites/preliminary requirements: *(minimum conditions to be met by the student before taking the course)*
Passing the course of General Radiology in semester V

Rules for awarding component grades in the course during the semester*:*

Criteria for assessing colloquiums and tests:
Very good (5.0) - 92 - 100% of possible points
Over good (4.5) - 84 - 91 points possible
Good (4.0) - 76 - 83 points possible
Pretty good (3.5) - 68 - 75 points possible
Satisfactory (3.0) -60 - 67 possible points

Oral response criteria:
Very good (5.0) - composing and articulating an independent statement on a given topic in a way that demonstrates full understanding of the question and knowledge of the topic; thorough discussion of the issue; no content and terminological errors

Over good (4.5) - composing and articulating an independent statement on a given topic in a way that demonstrates full understanding of the question and knowledge of the topic; full coverage of the issue; no content and terminological errors

Good (4.0) composing and articulating an independent statement on a given topic in a way that demonstrates full understanding of the question and knowledge of the topic; full coverage of the issue; minor factual and / or terminological errors

Fairly good (3.5) - attempting to compose and articulate an independent statement on a given topic in a way that proves that the question has been understood at least partially and that the topic is known; comprehensive, though superficial, discussion of the issue; minor factual and / or terminological errors

Sufficient (3.0) - attempting to compose and articulate an independent statement on a given topic in a way that proves at least partial understanding of the question and knowledge of the topic; partial discussion of the issue; minor factual and / or terminological errors

Insufficient (2.0) - failure to meet the appropriate criteria for the assessment: satisfactory (3.0)

Passing practical procedures:

Performing the procedures prescribed by the teacher, under his supervision, in the correct manner

Requirements to pass the course:

The condition for completing the course is the grade from colloquiums, tests and oral examinations during the semester

and a positive assessment of radiological references by the student issued by suppliers.

Grade:	Course credit evaluation criteria
Very good (5.0) [bardzo dobra]	Arithmetic mean 4.7 - 5.0 of the test marks, oral answers and description of X-ray
Good plus (4.5) [dobry plus]	Arithmetic mean 4.5 – 4.7 of the test marks, oral answers and description of X-ray images
Good (4.0) [dobra]	Arithmetic mean 4.0 - 4.4 of the test marks, oral answers and description of X-ray
Satisfactory plus (3.5) [dostateczny]	Arithmetic mean 3.5 - 3.9 of the test marks, oral answers and description of X-ray images
Satisfactory (3.0) [dostateczny]	Arithmetic mean 3.0 - 3.4 of the test marks, oral answers and description of X-ray images
	Course credit evaluation criteria (no grade)
Credit	
Grade:	Exam evaluation criteria
Very good (5.0) [bardzo dobra]	
Good plus (4.5) [dobry plus]	
Good (4.0) [dobra]	
Satisfactory plus (3.5) [dostateczny]	
Satisfactory (3.0) [dostateczny]	

Name(Name of the teaching unit)	Chair and Department of Oral Surgery – Wrocław Medical University
Head of the teaching unit:	26 Krakowska Street , 50-425 Wrocław
Phone number:	71 7840251, Fax: 71 7840253
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Person responsible for the course:	**prof. dr hab. Marzena Dominiak**
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E-mail:	**marzena.dominiak@umw.edu.wroc.pl**

Course coordinator:		5
Phone number:		
E-mail:		

CONSULTATIONS: detailed information on the dates and places of academic staff consultations is available on the websites of individual organizational units of the University conducting classes in a given subject and in showcases next to the secretariats.

Syllabus preparation date
20.08.2022