

[illegible]



Summer Semester														
Direct (contact) education														
Online learning (synchronous)														
Online learning (asynchronous)														
TOTAL per year: 15														
Direct (contact) education														
Online learning (synchronous)														
Online learning (asynchronous)														
<p>Educational objectives (max. 6 items)</p> <p>C1. To familiarize students with the modern methods of radiological diagnostics, techniques, and methods of radiological imaging of the facial part of the skull.</p> <p>C2. To learn to interpret radiological images in the field of dentistry.</p> <p>C3. To acquaint students with knowledge about radiation protection and the safety of radiological procedures.</p>														
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 <i>**enter the abbreviation</i>										
W 01	F.W21.	Knows the principles of radiological diagnostics	oral answer, written test	CC										
W 02	B.W9.	Knows the principles of radiological protection	oral answer, written test	CC										
W03	F.W21.	Knows the radiological anatomy of the craniofacial area	oral answer, written test	CC										
W04	F.W21.	Knows the diagram of the description of radiological images	oral answer, written test	CC										
W 05	B.W9.	Knows techniques and methods of radiological imaging of the facial part of the skull	oral answer, written test	CC										
U 01	F.U14	Formulates research problems related to his work	oral answer	CC										
U 02	F.U15	Interpretes orthopantomograms	oral answer	CC										
U 03	F.U15	Interpretes intraoral radiological images	oral answer	CC										



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

** 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 (class participation, activity, preparation, etc.)	Student Workload (h)
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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<p>Basic literature (list according to importance, no more than 3 items)</p> <ol style="list-style-type: none">1. E. Whaites, N. Drage. Essentials of Dental Radiography and Radiology. 5 - Edition Churchill Livingstone, 20132. S.C. White, M.J. Pharoah.: Oral Radiology: Principles and Interpretation, Mosby, 20143. P. Dayal, L.C. Naidoo.: Dentomaxillofacial Radiology, Jaypee, 2007 <p>Additional literature and other materials (no more than 3 items)</p> <ol style="list-style-type: none">1. F. Stabulas-Savage.: Radiology for the Dental Professional, 8 – edition, Elsevier2. G. Ananad Kumar.: A short Textbook of Oral Radiology, Jaypee, 20043. Anil Govindrao Ghom.: Textbook of Oral Radiology, Elsevier, 2008
<p>Didactic resources requirements (e.g. laboratory, multimedia projector, other...)</p> <p>Multimedia projector, base of the radiological pictures</p>
<p>Preliminary conditions (minimum requirements to be met by the student before starting the module/course)</p> <ol style="list-style-type: none">1. Presence of the student list from Dean's office2. Acquaintance of instruction book of work in Oral Surgery Department
<p>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 met by the student to pass it and criteria for specific grades)</p> <ol style="list-style-type: none">1. Receipt of a positive assessment of oral answers2. Passing the test3. 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 for module	Prof. dr hab. Marzena Dominiak
Coordinator	Lek. dent. Artur Piśula
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 Piśula	Lek. dent.	Oral Surgery	Dentist	Clinical classes
Artur Błaszczyszyn	Dr n. med.	Oral Surgery	Dentist	Clinical classes
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

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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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