Appendix
to Resolution No. 2186
of Senate of Wroclaw Medical University
of 1 July 2020

Syllabus for academic year: .....2020/2021..... Training cycle:			
Description of the course			
Module/Course	GENERAL RADIOLOGY	Group name	
		Group code **A** **B** **D** **E** **F**	Group name MORPHOLOGICAL SCIENCE SCIENTIFIC BASICS OF MEDICINE BEHAVIORAL SCIENCES GENERAL CLINICAL SCIENCES (not surgical)) APPLICABLE CLINICAL SCIENCES (surgical)
Faculty	DNTISTRY		
Major	DENTISTRY		
Unit realizing the subject	DEPARTMENT OF RADIOLOGY		
Specialties	-		
Level of studies	Uniform magister studies X* 1st degree studies ☐ 2nd degree studies ☐ 3rd degree studies ☐ postgraduate studies ☐		
Form of studies	X full-time ☐ part-time		
Year of studies	III	Semester	X Winter ☐ Summer
Type of course	X obligatory ☐ limited choice ☐ free choice / elective		
Course	X major ☐ basic		
Language of instruction	☐ Polish X English ☐ other		

* mark ☐ with an **X**

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Number of hours														
Form of education														
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														
Direct (contact) education					1,66									
Online learning (synchronous)		5			3,34									
Distance learning (asynchronous)														
Summer Semester														
Direct (contact) education														
Online learning (synchronous)														
Online learning (asynchronous)														
TOTAL per year: 10														
Direct (contact) education														
Online learning (synchronous)														
Online learning (asynchronous)														

Educational objectives (max. 6 items)

- To gain knowledge of different imaging methods
- To gain basic knowledge on general clinical radiology (apart from the head and neck area)
- To gain knowledge of radiological anatomy with the special emphasis on the head and neck area
- To gain knowledge on the use of diagnostic imaging in the head and neck pathologies

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	A.W.3	Knows topography of the human body	ORAL CREDIT	SE, CC

W 02	B.W9.	knows the methods of imaging of tissues and organs and principles of operation of diagnostic devices used for this purpose;	ORAL CREDIT	SE, CC
W 03	B.W10.	knows the principles of operation of ultrasonic devices;	ORAL CREDIT	SE, CC
W 04	F.W.4	Knows the causes, symptoms, as well as diagnostic and therapeutic management in major pathologies of the mouth, head and neck in adults and children	ORAL CREDIT	SE, CC
W 05	F.W.8	Knows the principles of the diagnostic and therapeutic management in the neoplasms of the head and neck	ORAL CREDIT	SE, CC
W 06	F.W.18	Knows basic methods of diagnostic imaging in pathologies of chest, abdomen, pelvis, brain and spine	ORAL CREDIT	SE, CC
W 07	E.W.7	Knows basic indications for diagnostic imaging, particularly in emergency cases.	ORAL CREDIT	SE, CC
U 01	A.U.4	Interprets the relationship among anatomical structures on the basis of diagnostic imaging	PERFORMANCE, SHOW	SE, CC
U 02	D.U.4	Builds a trusting atmosphere during the whole diagnostic process and treatment	PERFORMANCE, SHOW	SE, CC
K 01	K1	is ready to use objective sources of information	PERFORMANCE, SHOW	SE, CC
K 02	K 2	Is ready to follow instructions with objective sources of information	PERFORMANCE, SHOW	SE, 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: .3
Skills:2.
Social competences: 2..

Student's amount of work (balance of ECTS points)	
Student's workload (class participation, activity, preparation, etc.)	**Student Workload (h)**
1. Contact hours:	1,66
2. Online learning hours (e-learning):	8,34
3. Student's own work (self-study):	7,5
Total student's workload	17,5
ECTS points for module/course	2
Comments	

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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

1.
2.
3.

Seminars

- Introduction to radiology (history, basic terminology, radiation protection)
- Basic imaging methods (X-ray, ultrasound, CT, MRI)
- Diagnostic imaging of the chest
- Diagnostic imaging of the digestive tract, urinary system and musculo-sceletal system.
- Diagnostic imaging of the head and neck area.

Practical classes

- Imaging techniques- physical properties, applications, radiological protection
- Diagnostic imaging of the chest
- Diagnostic imaging of the alimentary system
- Diagnostic imaging of the urinary system
- Diagnostic imaging of the musculoskeletal system
- Application of imaging in the diagnostics of the head and neck pathologies
- CREDIT

Other

1.
2.
3.

etc. …

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

1. William Herring. Learning radiology – recognizing the basics – Elsevier 2012 (second edition)
2.
3.

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

1.
2.
3.

Didactic resources requirements (e.g. laboratory, multimedia projector, other…)

MULTIMEDIA PROJECTOR

Preliminary conditions (minimum requirements to be met by the student before starting the module/course)

- Basic knowledge of anatomy and pathology of the diseases
- Basic knowledge of physics (types of radiation).

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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) Each student is obliged to make up all missed classes by joining to a different student group. If this is not possible he or she should prepare a PowerPoint presentation on the topic chosen by his/her teacher. The same works for all rector's days or dean's hours. Conditions to receive credit for the course: positive grade from oral test during the classes

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	DEPARTMENT OF RADIOLOGY
Unit address	BOROWSKA 213, 50-556 WROCLAW
Telephone	71 733 16 68
E-Mail	WK-27@UMED.WROC.PL

Person responsible for module	PROF. DR HAB. MAREK SĄSIADEK
Coordinator	PROF. DR HAB. MAREK SĄSIADEK
Telephone	71 733 16 68
E-Mail	MAREK.SASIADEK@UMED.WROC.PL

List of persons conducting specific classes				
Full name	**Degree/scientific or professional title**	**Discipline**	**Performed profession**	**Form of classes**
MACIEJ GUZIŃSKI	DR HAB. N. MED.	MEDICAL SCIENCES	RADIOLOGIST	CLINICAL CLASSES
JACEK KURCZ	DR N. MED.	MEDICAL SCIENCES	RADIOLOGIST	CLINICAL CALSSES
ANNA KOŁTOWSKA	DR N. MED.	MEDICAL SCIENCES	RADIOLOGIST	CLINICAL CALSSES
PRZEMYSŁAW PODGÓRSKI	LEK. N. MED.	MEDICAL SCIENCES	RADIOLOGIST	CLINICAL CLASSES
MATEUSZ ŁASECKI	DR N. MED.	MEDICAL SCIENCES	RADIOLOGIST	CLINICAL CLASSES
MAŁGORZATA MILNEROWICZ	LEK. N. MED.	MEDICAL SCIENCES	RADIOLOGIST	CLINICAL CLASSES/SEMINAR
MAŁGORZATA NESKA-MILNEROWICZ	DR. N. MED.	MEDICAL SCIENCES	RADIOLOGIST	CLINICAL CLASSES
ŁUKASZ WASZCZUK	DR N. MED.	MEDICAL SCIENCES	RADIOLOGIST	CLINICAL CLASSES

Date of Syllabus development

25.09.2020r.

Syllabus developed by

…dr hab .Anna Zimny.....

Signature of Head of teaching unit

UNIWERSYTET MEDYCZNY
IM. PIASTÓW ŚLĄSKICH WE WROCŁAWIU

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……prof. dr hab. Marek Sąsiadek……

Signature of Faculty Dean

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