



Syllabus, academic year 2017/2018																
Description of the course																
Course Name:		Practical Clinical Teaching – chosen specialty: RADIOLOGY					Group of detailed education results									
							Group code (E or F): E + F		Group name: Clinical Sciences – Non-surgical Clinical Sciences surgical							
Faculty		Medicine														
Major		Medicine														
Specialties		not applicable														
Level of studies		X Uniform magister studies														
Form of studies		X full-time X part-time														
Year of studies:		VI					Semester:		X summer (april/may)							
Type of course		X obligatory														
Course		X major														
Language of instruction		<input type="checkbox"/> Polish <input checked="" type="checkbox"/> English <input type="checkbox"/> other														
* mark <input type="checkbox"/> with an X																
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 – master studies (SCM)	Foreign language Course (FLC)	Physical Education obligatory (PE)	Vocational Practice (VP)	Self-Study (Student's own work) (SS)	E-learning (EL)	
DEPARTMENT OF RADIOLOGY																
Winter semester:		Not applicable														
Summer semester:							180									
Total per year:							180									
Educational objectives: (max. 6 items)																
C1. Gaining the practical knowledge on workflow in radiological laboratories (X-ray, ultrasound, CT, MRI and endovascular departments)																
C2. Gaining the practical knowledge on everyday work of radiologists in different radiological departments (X-ray, ultrasound, CT, MRI and endovascular departments)																
C3. Gaining the practical knowledge on strategy of diagnostic imaging in different diseases and health conditions.																
C4. Gaining the ability to evaluate and interpret basic imaging studies.																
Education results matrix for 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 (E or F group)	Student who completes the course knows/ is able to Please enter from 5 to max. 7 education results – examples of verbs defining the education result in the scope of student's knowledge: uses, performs, resolves					Methods of verification of intended education results (forming and summarising)					Form of didactic class ** enter the abbreviation				
S 01	E.U.12	Is able to perform differential diagnosis of the most common diseases of adults and children (on the basis of the results of X-ray, ultrasound and CT studies).					Oral credit					CC				
S 02	E.U.14	Is able to recognize life threatening conditions (in emergency X-ray, ultrasound and CT studies)					Oral credit					CC				
S 03	E.U.16	Is able to plan diagnostic process (knows the					Oral credit					CC				



		strategy of diagnostic imaging in the most common pathologies)		
S 04	F.U.7	Evaluates and interpretes the most common bone fractures on radiograms	Oral credit	CC
S 05	E.U.5	Is able to identify normal and pathological structures and organs on imaging studies using X-ray, CT and ultrasound	Oral credit	CC

** L - lecture; SE - seminar; AC – audytorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (master 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:

Skills: 5

Student's amount of work (balance of ECTS points):

Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
1. Contact hours:	180
2. Student's own work (self-study):	
Total student's workload	
ECTS points for course	10,0

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

Classes

Panel of clinical classes in X-ray imaging – 60 hrs

1. Diagnostic imaging of chest pathologies – part 1
2. Diagnostic imaging of chest pathologies – part 2
3. Diagnostic imaging of pathologies of the abdomen
4. Diagnostic imaging of pathologies of the musculo-skeletal system – part 1
5. Diagnostic imaging of pathologies of the musculo-skeletal system – part 2
6. Diagnostic imaging of pathologies of the urinary tract
7. Emergency chest radiogram
8. Emergency bones and joints radiograms – part 1
9. Emergency bones and joints radiograms – part 2
10. Emergency radiograms of the abdomen

Panel of clinical classes in ultrasound – 30 hrs

11. Ultrasound of the abdomen and pelvis – part 1
12. Ultrasound of the abdomen and pelvis – part 2
13. Emergency ultrasound of the abdomen and pelvis – part 1
14. Emergency ultrasound examinations of other parts of the body
15. FAST ultrasound in emergency settings.

Panel of clinical classes in CT imaging – 60 hrs

16. Emergency CT of the head
17. Emergency CT of the chest
18. Emergency CT of the abdomen and pelvis
19. Emergency CT angiography
20. Emergency CT of the whole body
21. CT of the brain
22. CT of the head and neck
23. CT of the chest
24. CT imaging in oncology
25. CT angiographies of the arterial system

Panel of clinical classes in MR imaging – 18 hrs



26. MRI of the brain
27. MRI of the spine
28. MRI of other organs and parts of the body

Panel of clinical classes in interventional radiology – 12 hrs

29. Neurointerventional procedures
30. Other procedures of interventional radiology

Other - etc....

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

Not applicable

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

Not applicable

Didactic resources requirements: (e.g. laboratory, multimedia projektor, other...)

Not applicable

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

Not applicable

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)

Active participation in classes and test of practical skills

Grade:	Criteria: (only for courses/module ending with an examination)
Very good (5,0)	Not applicable
Above good (4,5)	
Good (4,0)	
Sufficiently good (3,5)	
Sufficient (3,0)	

Name of unit teaching course:	Department of Radiology
Address	BOROWSKA 213, 50-556 WROCŁAW
Phone	71 733 16 68
E-mail	wk-27@umed.wroc.pl

Person responsible for course:	Prof. dr hab. Marek Sasiadek
Phone	71 733 16 68
E-mail	marek.sasiadek@umed.wroc.pl

List of persons conducting specific classes:	degree/scientific or professional title	Discipline	Performer profession	Form of classes
ANNA ZIMNY	DR HAB.	RADIOLOGY	physician; u.t.	CC
JOANNA BLADOWSKA	DR HAB.	RADIOLOGY	physician; u.t.	CC
MACIEJ GUZIŃSKI	DR N. MED.	RADIOLOGY	physician; u.t.	CC
JACEK KURCZ	DR N. MED.	RADIOLOGY	physician; u.t.	CC
PRZEMYSŁAW PODGÓRSKI	DR N. MED.	RADIOLOGY	physician; u.t.	CC
ANNA KOŁTOWSKA	DR N. MED.	RADIOLOGY	physician; u.t.	CC

Date of Syllabus development


27.02.2017 r.

Syllabus developer by

...dr hab. ANNA ZIMNY.....

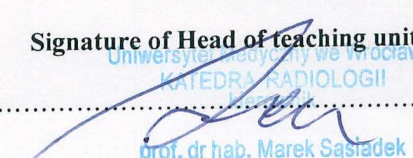
Signature of Faculty Dean

Uniwersytet Medyczny we Wrocławiu
WYDZIAŁ LEKARSKI
Pracownia ds. Studiów
Języku Angielskim



Signature of Head of teaching unit

Uniwersytet Medyczny we Wrocławiu
KATEDRA RADIOLOGII



prof. dr hab. Marek Sasiadek



UNIWERSYTET MEDYCZNY
IM. PIASTÓW ŚLĄSKICH WE WROCŁAWIU

Appendix 5
to Resolution No. 1630
of Senate of Wrocław Medical University
of 30 March 2016